



Furnishings			12
Multiple Seating			12 60
Fixed Audience Seating			12 61

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 61 16 00-0002	EA		Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating (Irwin Patriot 30.52.00.30).....	355.11	40.31
			Note: Includes Patriot back, double wall polymer, number 52 self rising seat torsion spring seat lift, open aisle standards, number 30 steel chair platform, floor mount, and polymer arms.		
			For >100 To 249, Deduct	-40.12	
			For >249 To 749, Deduct	-48.15	
			For >749, Deduct	-53.50	
			For Up To 9, Add	732.92	
			For >9 To 24, Add	294.24	
			For Expansion Anchor Mounting With Anchor Caps, Add	21.64	
			For Epoxy Anchor Mounting With Anchor Caps, Add	25.82	
12 61 16 00-0003	EA		Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Patriot 30.52.36.30)	399.72	40.31
			Note: Includes Patriot back, double wall polymer, number 52 self rising seat torsion spring seat lift, number 36 laminate surfaced aisle panel, number 30 steel chair platform, floor mount, and flat laminate surfaced arms.		
			For >100 To 249, Deduct	-46.82	
			For >249 To 749, Deduct	-56.18	
			For >749, Deduct	-62.42	
			For Up To 9, Add	733.44	
			For >9 To 24, Add	293.37	
			For Expansion Anchor Mounting With Anchor Caps, Add	21.64	
			For Epoxy Anchor Mounting With Anchor Caps, Add	25.82	

12 61 19 Plywood/Hardwood Audience Seating (12 61)

12 61 19 00-0001			Plywood/Hardwood Audience Seating (12 61 19)		
12 61 19 00-0002	EA		Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Crusader 1.14.00.4)	548.52	40.31
			Note: Includes Crusader back, veneer surfaced, number 14 self rising seat, open aisle standards, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
			For >100 To 249, Deduct	-69.14	
			For >249 To 749, Deduct	-82.96	
			For >749, Deduct	-92.18	
			For Up To 9, Add	732.83	
			For >9 To 24, Add	294.98	
			For Expansion Anchor Mounting With Anchor Caps, Add	21.64	
			For Epoxy Anchor Mounting With Anchor Caps, Add	25.82	
12 61 19 00-0003	EA		Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Surfaced Aisle Panel (Irwin Crusader 1.14.86.4)	595.51	40.31
			Note: Includes Crusader back, veneer surfaced, number 14 self rising seat, number 86 veneer surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
			For >100 To 249, Deduct	-76.18	
			For >249 To 749, Deduct	-91.42	
			For >749, Deduct	-101.58	
			For Up To 9, Add	736.44	
			For >9 To 24, Add	294.58	
			For Expansion Anchor Mounting With Anchor Caps, Add	21.64	
			For Epoxy Anchor Mounting With Anchor Caps, Add	25.82	

12 61 21 Fixed Audience Seating Accessories (12 61)

12 61 21 00-0001			Fixed Audience Seating Accessories (12 61 21)		
12 61 21 00-0002	EA		100 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin).....	189.49	
			For >100 To 249, Deduct	-27.11	
			For >249 To 749, Deduct	-32.53	
			For >749, Deduct	-36.15	
12 61 21 00-0003	EA		120 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin).....	192.97	
			For >100 To 249, Deduct	-27.63	
			For >249 To 749, Deduct	-33.16	
			For >749, Deduct	-36.84	
12 61 21 00-0004	EA		151 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin).....	202.03	
			For >100 To 249, Deduct	-28.99	
			For >249 To 749, Deduct	-34.79	
			For >749, Deduct	-38.65	
12 61 21 00-0005	EA		98 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin).....	189.49	
			For >100 To 249, Deduct	-27.11	
			For >249 To 749, Deduct	-32.53	
			For >749, Deduct	-36.15	
12 61 21 00-0006	EA		105 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin).....	202.80	
			For >100 To 249, Deduct	-29.11	
			For >249 To 749, Deduct	-34.93	
			For >749, Deduct	-38.81	
12 61 21 00-0007	EA		Rubber Foot Shrouds For Number 4 Chair Platform (Per Chair), Fixed Audience Seating (Irwin).....	15.58	

12 62 Portable-Audience Seating (12 60)

12 62 23 Portable Bleachers (12 62)

12 62 23 00-0001			Metal Bleachers, Outdoor, Portable (12 62 23)		
			Note: Average seating is 18".		
12 62 23 00-0002			Non-Elevated Portable Aluminum Bleacher (12 62 23 00-0001)		

12 Furnishings**12 60 Multiple Seating****12 62 Portable-Audience Seating**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 62 23 00-0003 SEA 2 To 5 Rows, Non Elevated Portable Aluminum Bleacher Price Per Seat For Each "Tip and Roll" Set (Includes Two Fixed Wheels), Add To Total Structure For Each "Flip and Roll" Set (Includes Four Wheels), Add To Total Structure	99.16 165.00 335.00	3.80
12 62 23 00-0004 Non-Elevated Portable Aluminum Bleacher (12 62 23 00-0001) Note: Includes side and back fence.		
12 62 23 00-0005 SEA 5 Rows, Non Elevated Portable Aluminum Bleacher Note: Including side and back fence. For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	129.30 35.00	3.80
12 62 23 00-0006 SEA 6 To 10 Rows, Non Elevated Portable Aluminum Bleacher Note: Including side and back fence. For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	147.11 35.00	3.99
12 62 23 00-0007 SEA 11 To 15 Rows, Non Elevated Portable Aluminum Bleacher Note: Including side and back fence. For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	153.59 35.00	4.19
12 62 23 00-0008 Non-Elevated Portable Aluminum Bleacher (12 62 23 00-0001) Note: Includes side and back fence and center aisle with rails.		
12 62 23 00-0009 SEA 5 Rows, Non Elevated Portable Aluminum Bleacher Note: Including side and back fence and center aisle with hand rails. For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	200.76 35.00	4.29
12 62 23 00-0010 SEA 6 To 10 Rows, Non Elevated Portable Aluminum Bleacher Note: Including side and back fence and center aisle with hand rails. For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	229.23 35.00	4.50
12 62 23 00-0011 SEA 11 To 15 Rows, Non Elevated Portable Aluminum Bleacher Note: Including side and back fence and center aisle with hand rails. For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	248.51 35.00	4.76

END OF SECTION 12



Special Construction		13
Operation and Maintenance of Special Construction		13 01
Operation and Maintenance of Special Facility Components		13 01 10

13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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13 Special Construction

13 01 Operation and Maintenance of Special Construction⁽¹³⁾

13 01 10 Operation and Maintenance of Special Facility Components^(13 01)

13 01 11 Operation and Maintenance of Swimming Pools^(13 01 10)

13 01 11 11 Operation and Maintenance of Swimming Pools^(13 01 11)

13 01 11 11-0001 Pool Restoration Items^(13 01 11 11)

13 01 11 11-0002	LF	Saw Cutting Pool Floor	12.86	
13 01 11 11-0003	SF	Demolish Pool Floor	23.39	
13 01 11 11-0004	LF	Demolish Pool Gutter Lip	32.74	
13 01 11 11-0005	LF	Demolish Pool Coping	19.49	
13 01 11 11-0006	SF	Demolish Up To 1" Thick Pool Plaster	10.49	
13 01 11 11-0007	LF	Install Pool Coping	75.77	
13 01 11 11-0008	EA	Coring For Pool Pipe Penetrations	545.66	
13 01 11 11-0009	EA	Coring For Pool Wall Inlets	187.08	
13 01 11 11-0010	EA	Coring For Pool Gutter Outlets	311.80	
13 01 11 11-0011	EA	Core And Demolish Pool Light Fixture	623.61	
13 01 11 11-0012	EA	12 Volt, LED Pool Light	660.92	
13 01 11 11-0013	EA	Bond/Set Pool Anchors	154.60	
13 01 11 11-0014	EA	Core/Install Pool Cup Anchors	430.85	
13 01 11 11-0015	LF	Form Pool Gutter	21.82	
13 01 11 11-0016	LF	Float Pool Gutter Lip	32.74	
13 01 11 11-0017	LF	Theroseal Pool Gutter	10.74	
13 01 11 11-0018	SF	Theroseal Pool Surge Tank	8.58	
13 01 11 11-0019	EA	Pool Start-up	9,528.66	
13 01 11 11-0020	SF	Up To 1/2" Thick Troweled Pool Plaster	5.62	
		For Radius Or Irregular Surface, Add	1.66	
		For Up To 25, Add	1.19	
		For >25 To 50, Add	0.70	
		For >50 To 150, Add	0.31	
13 01 11 11-0021	SF	>1/2" To 1" Thick Troweled Pool Plaster	7.95	
		For Radius Or Irregular Surface, Add	2.40	
		For Up To 25, Add	1.70	
		For >25 To 50, Add	1.00	
		For >50 To 150, Add	0.45	
13 01 11 11-0022	SF	1" x 1" Glass Pool Tile Sheet	13.79	1.51
13 01 11 11-0023	SF	2" x 2" Porcelain Mosaic Pool Tile Sheet	16.49	1.51
13 01 11 11-0024	SF	6" x 6" Porcelain Pool Tile	19.91	1.51

13 01 11 11-0025 Swimming Pool Plaster Restoration^(13 01 11 11)

13 01 11 11-0026	SF	Chip, Clean And Repair Plaster Up To 10 SF On Swimming Pool	31.18	
13 01 11 11-0027	SF	Chip, Clean And Repair Plaster >10 To 50 SF On Swimming Pool	22.56	
13 01 11 11-0028	SF	Chip, Clean And Repair Plaster >50 To 250 SF On Swimming Pool	16.53	
13 01 11 11-0029	SF	Chip, Clean And Repair Plaster >250 To 1,000 SF On Swimming Pool	13.08	
13 01 11 11-0030	SF	Chip, Clean And Repair Plaster >1,000 SF On Swimming Pool	9.63	

13 10 Special Facility Components⁽¹³⁾

13 11 Swimming Pools^(13 10)

13 11 46 Swimming Pool Accessories^(13 11)

See CSI section 22 51 19 00-0043 for diatomite type filter system.

13 11 46 00-0001 Heavy Duty Ladders^(13 11 46)

13 11 46 00-0002	EA	Ladders, 2 Tread, Stainless Steel Swimming Pool Equipment	1,435.52	132.85
13 11 46 00-0003	EA	Ladders, 4 Tread, Stainless Steel Swimming Pool Equipment	1,761.48	153.29

13 11 46 00-0004 Underwater Lights^(13 11 46)

13 11 46 00-0005	EA	Lights, Underwater, 12 Volt, With Transformer Swimming Pool Equipment	462.36	133.57
13 11 46 00-0006	EA	Lights, Underwater, 110 Volt, Swimming Pool Equipment	453.39	133.57

13 11 46 00-0007 Pool Covers^(13 11 46)

Note: Includes cover straps and tension springs.

13 11 46 00-0008	SF	Pool Covers, Reinforced Polyethylene	13.17	5.74
13 11 46 00-0009	SF	Pool Cover, Vinyl Water Tube	13.53	5.74

13 11 46 00-0010 Pool Equipment And Accessories^(13 11 46)

13 11 46 00-0011	EA	Swim Lift, Vertical, Stainless Steel, In Pool Mount	4,959.25	
		Note: Spectrum #5030.		

13 Special Construction
13 10 Special Facility Components
13 11 Swimming Pools



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 11 46 00-0012 EA Swim Lift, With Arm, Stainless Steel, Deck Mount Note: Spectrum Traveler XRC #26705.	7,287.20	
13 11 46 00-0013 EA Lifeguard Chair, Stainless Steel, 4 SF Platform, 3' High Note: Paragon #37-164 "Lookout Dual Side Mount".	5,729.64	348.39
13 11 46 00-0014 EA Lifeguard Chair, Stainless Steel, 40" x 60" Platform, 3' High Note: Paragon #37-164 "Lookout Platform".	9,432.51	371.62
13 11 46 00-0015 EA Lifeguard Chair, Stainless Steel, 6' High Note: Paragon #38-005 "OSHA Guard Chair".	6,165.34	371.62
13 11 46 00-0016 EA Lifeguard Chair, Stainless Steel, 6' High Note: Paragon #38-010 "Ultraflyte Guard Chair".	5,290.42	371.62
13 11 46 00-0017 PR Grab Rail, Stainless Steel, 1.90" O.D Tubing x .109" Thickness..... Note: Requires four anchors sockets and escutcheons. Paragon #36-070.	1,059.63	92.91
13 11 46 00-0018 PR Grab Rail, Stainless Steel, 1.90" O.D Tubing x .145" Thickness..... Note: Requires four anchors sockets and escutcheons. Paragon #36-075.	1,188.41	92.91
13 11 46 00-0019 EA Bronze Anchor Socket, 4" Deep For 1.90" Outside Diameter Tube	189.31	
13 11 46 00-0020 EA Stainless Steel Escutcheon For 1.90" Outside Diameter Tube	33.57	
13 11 46 00-0021 EA Rope Anchor	29.82	
13 11 46 00-0022 EA Stanchion Post Socket	170.39	
13 11 46 00-0023 EA 48" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .109" Thickness..... Note: Requires two anchors sockets and escutcheons.	541.41	46.45
For 3-Bend Handrail, Add	15.70	
13 11 46 00-0024 EA 48" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .145" Thickness..... Note: Requires two anchors sockets and escutcheons.	629.71	46.45
For 3-Bend Handrail, Add	18.79	
13 11 46 00-0025 EA 60" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .109" Thickness..... Note: Requires two anchors sockets and escutcheons.	578.20	46.45
For 3-Bend Handrail, Add	16.99	
13 11 46 00-0026 EA 60" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .145" Thickness..... Note: Requires two anchors sockets and escutcheons.	677.54	46.45
For 3-Bend Handrail, Add	20.46	
13 11 46 00-0027 EA 72" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .109" Thickness..... Note: Requires two anchors sockets and escutcheons.	620.15	46.45
For 3-Bend Handrail, Add	18.45	
13 11 46 00-0028 EA 72" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .145" Thickness..... Note: Requires two anchors sockets and escutcheons.	723.90	46.45
For 3-Bend Handrail, Add	22.08	
13 11 46 00-0029 EA 1 Meter High Aluminum Diving Stand With Stainless Steel Handrail Note: Requires deck anchor set and diving board.	12,191.26	929.04
13 11 46 00-0030 EA 3 Meter High Aluminum Diving Stand With Stainless Steel Handrail Note: Requires deck anchor set and diving board.	24,035.55	1,858.09
13 11 46 00-0031 SET Bronze Deck Anchor (Set of 8).....	734.58	
13 11 46 00-0032 EA 16' Duraflex Diving Board.....	4,287.81	92.91
13 11 46 00-0033 EA Pool Tube Slide, Stainless Steel Frame, 27" Polyethylene Flume Note: Includes 6' tower deck height, 4' x 4' top platform, 26" wide stair assembly, non-slip deck and step treads, and observation deck clear bubble.	26,930.67	1,858.09

13 12 Fountains (13 10)

13 12 13 Exterior Fountains (13 12)

13 12 13 00-0001 Fountains/Aerators (13 12 13)

13 12 13 00-0002 EA 1/2 HP Pump, Single Phase With 100' Cord	2,287.15	147.56
13 12 13 00-0003 EA 3/4 HP Pump, Single Phase With 100' Cord	2,532.10	150.81
13 12 13 00-0004 EA 1 HP Pump, Single Phase With 100' Cord	2,564.86	154.46
13 12 13 00-0005 EA 1-1/2 HP Pump, Single Phase With 100' Cord	2,692.42	158.11
13 12 13 00-0006 EA 2 HP Pump, Single Phase With 100' Cord	2,820.95	162.16
13 12 13 00-0007 EA 5 HP Pump, Three Phase With 200' Cord	6,099.18	166.21
13 12 13 00-0008 EA 7-1/2 HP Pump, Three Phase With 200' Cord.....	6,986.60	170.66
13 12 13 00-0009 EA 10 HP Pump, Three Phase With 200' Cord.....	7,755.64	175.13
13 12 13 00-0010 EA 15 HP Pump, Three Phase With 200' Cord.....	9,828.10	180.00
13 12 13 00-0011 EA Aerator Nozzle	584.98	81.07

13 20 Special Purpose Rooms (13)

13 21 Controlled Environment Rooms (13 20)

13 21 26 Cold Storage Rooms (13 21)

13 21 26 13 Walk-in Coolers (13 21 26)

See CSI section 11 41 23 00-0000 for walk-in coolers.

13 30 Special Structures (13)

13 34 Fabricated Engineered Structures (13 30)

13 34 16 Grandstands and Bleachers (13 34)

13 34 16 13 Grandstands (13 34 16)

13 34 16 13-0001 Permanent Grandstands, Wood Seat, Steel Frame (13 34 16 13)	
13 34 16 13-0002 3 To 15 Tiers (13 34 16 13-0001)	



Special Construction		13	13
Special Structures		13 30	
Fabricated Engineered Structures		13 34	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 16 13-0003	SEA	3-15 Tier Permanent Grandstand Price Per Seat	71.14	7.61
13 34 16 13-0004		16 To 30 Tiers (13 34 16 13-0001)		
13 34 16 13-0005	SEA	16-30 Tier Permanent Grandstand Price Per Seat	108.21	8.56
13 34 19		Metal Building Systems (13 34)		
		Note: Includes material, delivery to site, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site.		
13 34 19 00-0001		Pre-Engineered Metal Buildings (13 34 19)		
		Note: Free standing base buildings have a live load of 12 PSF and a wind load of 16.4 PSF (80 MPH). Includes anchoring and fasteners to concrete foundation. Includes design for foundation footings and piers. Includes a prime coated structural frame, painted steel wall panels 26 gauge, standing seam roof panels 26 gauge, roof 1 in 12 slope. Includes material, delivery to site, lifting equipment (crane) for erection, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site. Eave height is measured from the top of slab to the underside of the roof deck. Excludes foundations and slab. See CSI section 03 31.13 00-0001 for concrete slab, 03 31 13 00-0010 for concrete foundations, 13 34 19 00-0109 for metal building options.		
13 34 19 00-0002		Clear Span Rigid Frame Pre-Engineered Metal Buildings (13 34 19 00-0001)		
		Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0003		20' To 30' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings (13 34 19 00-0002)		
13 34 19 00-0004	GSF	10' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	23.32	6.71
		For 30' To 49' In Length Only, Add	1.92	
		For 50' To 69' In Length Only, Add	1.05	
		For 70' To 99' In Length Only, Add	0.43	
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.70	
		For >3 In 12 Slope To 5 In 12 Slope, Add	1.17	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.75	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.27	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.80	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.43	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.60	
		For Single Slope Frame Roof, Add	1.20	
		For Each SF Of 24 Gauge Wall Panel, Add	0.66	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	0.94	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0005	GSF	12' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	25.06	7.37
		For 30' To 49' In Length Only, Add	1.98	
		For 50' To 69' In Length Only, Add	1.08	
		For 70' To 99' In Length Only, Add	0.45	
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.75	
		For >3 In 12 Slope To 5 In 12 Slope, Add	1.25	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.88	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.44	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.01	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.76	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.01	
		For Single Slope Frame Roof, Add	1.24	
		For Each SF Of 24 Gauge Wall Panel, Add	0.71	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	1.02	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0006	GSF	14' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	27.03	8.13
		For 30' To 49' In Length Only, Add	2.04	
		For 50' To 69' In Length Only, Add	1.11	
		For 70' To 99' In Length Only, Add	0.46	
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.81	
		For >3 In 12 Slope To 5 In 12 Slope, Add	1.35	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.03	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.64	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.24	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.14	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.49	
		For Single Slope Frame Roof, Add	1.27	
		For Each SF Of 24 Gauge Wall Panel, Add	0.76	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	1.12	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

13 34 19 00-0007	GSF 16' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	29.17	8.89
	For 30' To 49' In Length Only, Add	2.13	
	For 50' To 69' In Length Only, Add	1.16	
	For 70' To 99' In Length Only, Add	0.48	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.88	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.46	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.19	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.84	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.50	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.54	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.00	
	For Single Slope Frame Roof, Add	1.33	
	For Each SF Of 24 Gauge Wall Panel, Add	0.82	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.22	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0008	GSF 18' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	31.36	9.65
	For 30' To 49' In Length Only, Add	2.24	
	For 50' To 69' In Length Only, Add	1.22	
	For 70' To 99' In Length Only, Add	0.50	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.94	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.57	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.35	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.06	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.76	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.96	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.53	
	For Single Slope Frame Roof, Add	1.40	
	For Each SF Of 24 Gauge Wall Panel, Add	0.88	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.31	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0009	GSF 20' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	34.41	10.36
	For 30' To 49' In Length Only, Add	2.58	
	For 50' To 69' In Length Only, Add	1.41	
	For 70' To 99' In Length Only, Add	0.58	
	For >1 In 12 Slope To 3 In 12 Slope, Add	1.03	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.72	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.58	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.35	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.13	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.54	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.26	
	For Single Slope Frame Roof, Add	1.62	
	For Each SF Of 24 Gauge Wall Panel, Add	0.97	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.40	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0010	GSF 24' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	38.72	11.89
	For 30' To 49' In Length Only, Add	2.81	
	For 50' To 69' In Length Only, Add	1.53	
	For 70' To 99' In Length Only, Add	0.63	
	For >1 In 12 Slope To 3 In 12 Slope, Add	1.16	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.94	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.90	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.78	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.65	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.36	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	9.29	
	For Single Slope Frame Roof, Add	1.76	
	For Each SF Of 24 Gauge Wall Panel, Add	1.09	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.59	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 34 19 00-0011 >30' To 50' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings

(13 34 19 00-0002)



Special Construction			13
Special Structures			13 30
Fabricated Engineered Structures			13 34

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
13 34 19 00-0012	GSF 10' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	19.65		5.33
	For 30' To 49' In Length Only, Add	1.80		
	For 50' To 69' In Length Only, Add	0.98		
	For 70' To 99' In Length Only, Add	0.40		
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.59		
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.98		
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.47		
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.92		
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.36		
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.73		
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.72		
	For Single Slope Frame Roof, Add	1.12		
	For Each SF Of 24 Gauge Wall Panel, Add	0.57		
	For Each SF Of Lap Roof, Deduct	-0.76		
	For Each SF Of Hip Roof, Add	0.77		
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0013	GSF 12' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	21.04		5.82
	For 30' To 49' In Length Only, Add	1.85		
	For 50' To 69' In Length Only, Add	1.01		
	For 70' To 99' In Length Only, Add	0.42		
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.63		
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.05		
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.58		
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.05		
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.52		
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.00		
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.05		
	For Single Slope Frame Roof, Add	1.16		
	For Each SF Of 24 Gauge Wall Panel, Add	0.60		
	For Each SF Of Lap Roof, Deduct	-0.76		
	For Each SF Of Hip Roof, Add	0.83		
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0014	GSF 14' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	22.23		6.30
	For 30' To 49' In Length Only, Add	1.89		
	For 50' To 69' In Length Only, Add	1.03		
	For 70' To 99' In Length Only, Add	0.42		
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.67		
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.11		
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.67		
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.17		
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.67		
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.22		
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.34		
	For Single Slope Frame Roof, Add	1.18		
	For Each SF Of 24 Gauge Wall Panel, Add	0.63		
	For Each SF Of Lap Roof, Deduct	-0.76		
	For Each SF Of Hip Roof, Add	0.89		
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0015	GSF 16' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	23.91		6.86
	For 30' To 49' In Length Only, Add	1.98		
	For 50' To 69' In Length Only, Add	1.08		
	For 70' To 99' In Length Only, Add	0.45		
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.72		
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.20		
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.79		
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.33		
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.87		
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.54		
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.74		
	For Single Slope Frame Roof, Add	1.24		
	For Each SF Of 24 Gauge Wall Panel, Add	0.68		
	For Each SF Of Lap Roof, Deduct	-0.76		
	For Each SF Of Hip Roof, Add	0.96		
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0016	GSF 18' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	25.89		7.37
	For 30' To 49' In Length Only, Add	2.18		
	For 50' To 69' In Length Only, Add	1.19		
	For 70' To 99' In Length Only, Add	0.49		
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.78		
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.29		
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.94		
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.52		
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.11		
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.92		
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.21		
	For Single Slope Frame Roof, Add	1.36		
	For Each SF Of 24 Gauge Wall Panel, Add	0.74		
	For Each SF Of Lap Roof, Deduct	-0.76		
	For Each SF Of Hip Roof, Add	1.02		
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
13 34 19 00-0017	GSF	20' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	27.73	7.88
		For 30' To 49' In Length Only, Add	2.32	
		For 50' To 69' In Length Only, Add	1.26	
		For 70' To 99' In Length Only, Add	0.52	
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.83	
		For >3 In 12 Slope To 5 In 12 Slope, Add	1.39	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.08	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.70	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.33	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.27	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.66	
		For Single Slope Frame Roof, Add	1.45	
		For Each SF Of 24 Gauge Wall Panel, Add	0.79	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	1.09	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0018	GSF	24' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	30.49	8.89
		For 30' To 49' In Length Only, Add	2.45	
		For 50' To 69' In Length Only, Add	1.34	
		For 70' To 99' In Length Only, Add	0.55	
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.91	
		For >3 In 12 Slope To 5 In 12 Slope, Add	1.52	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.29	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.97	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.66	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.79	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.32	
		For Single Slope Frame Roof, Add	1.53	
		For Each SF Of 24 Gauge Wall Panel, Add	0.86	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	1.22	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0019		>50' To 100' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings		
		(13 34 19 00-0002)		
13 34 19 00-0020	GSF	10' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	15.00	3.71
		For 30' To 49' In Length Only, Add	1.57	
		For 50' To 69' In Length Only, Add	0.86	
		For 70' To 99' In Length Only, Add	0.35	
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.45	
		For >3 In 12 Slope To 5 In 12 Slope, Add	0.75	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.13	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.46	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.80	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.85	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.60	
		For Single Slope Frame Roof, Add	0.98	
		For Each SF Of 24 Gauge Wall Panel, Add	0.44	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	0.57	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0021	GSF	12' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	15.64	3.90
		For 30' To 49' In Length Only, Add	1.62	
		For 50' To 69' In Length Only, Add	0.88	
		For 70' To 99' In Length Only, Add	0.36	
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.47	
		For >3 In 12 Slope To 5 In 12 Slope, Add	0.78	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.17	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.52	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.88	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.97	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.75	
		For Single Slope Frame Roof, Add	1.01	
		For Each SF Of 24 Gauge Wall Panel, Add	0.46	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	0.59	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



Special Construction			13
Special Structures			13 30
Fabricated Engineered Structures			13 34

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
13 34 19 00-0022	GSF	14' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	16.26	4.09
		For 30' To 49' In Length Only, Add	1.67	
		For 50' To 69' In Length Only, Add	0.91	
		For 70' To 99' In Length Only, Add	0.37	
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.49	
		For >3 In 12 Slope To 5 In 12 Slope, Add	0.81	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.22	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.59	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.95	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.09	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.90	
		For Single Slope Frame Roof, Add	1.04	
		For Each SF Of 24 Gauge Wall Panel, Add	0.48	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	0.61	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0023	GSF	16' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	18.12	4.72
		For 30' To 49' In Length Only, Add	1.76	
		For 50' To 69' In Length Only, Add	0.96	
		For 70' To 99' In Length Only, Add	0.40	
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.54	
		For >3 In 12 Slope To 5 In 12 Slope, Add	0.91	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.36	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.77	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.17	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.44	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.35	
		For Single Slope Frame Roof, Add	1.10	
		For Each SF Of 24 Gauge Wall Panel, Add	0.53	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	0.69	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0024	GSF	18' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	19.60	5.25
		For 30' To 49' In Length Only, Add	1.82	
		For 50' To 69' In Length Only, Add	1.00	
		For 70' To 99' In Length Only, Add	0.41	
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.59	
		For >3 In 12 Slope To 5 In 12 Slope, Add	0.98	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.47	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.91	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.35	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.72	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.70	
		For Single Slope Frame Roof, Add	1.14	
		For Each SF Of 24 Gauge Wall Panel, Add	0.57	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	0.76	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0025	GSF	20' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	21.03	5.80
		For 30' To 49' In Length Only, Add	1.87	
		For 50' To 69' In Length Only, Add	1.02	
		For 70' To 99' In Length Only, Add	0.42	
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.63	
		For >3 In 12 Slope To 5 In 12 Slope, Add	1.05	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.58	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.05	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.52	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.00	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.05	
		For Single Slope Frame Roof, Add	1.17	
		For Each SF Of 24 Gauge Wall Panel, Add	0.60	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	0.83	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0026	GSF	24' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	23.51	6.55
		For 30' To 49' In Length Only, Add	2.05	
		For 50' To 69' In Length Only, Add	1.12	
		For 70' To 99' In Length Only, Add	0.46	
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.71	
		For >3 In 12 Slope To 5 In 12 Slope, Add	1.18	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.76	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.29	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.82	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.47	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.64	
		For Single Slope Frame Roof, Add	1.28	
		For Each SF Of 24 Gauge Wall Panel, Add	0.67	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	0.92	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

13 34 19 00-0027	Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings (13 34 19 00-0001)		
Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.			
13 34 19 00-0028	20' To 30' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings (13 34 19 00-0027)		
13 34 19 00-0029	GSF 10' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	19.89	5.33
	For 30' To 49' In Length Only, Add	1.85	
	For 50' To 69' In Length Only, Add	1.01	
	For 70' To 99' In Length Only, Add	0.42	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.60	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.99	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.49	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.94	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.39	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.78	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.77	
	For Each SF Of 24 Gauge Wall Panel, Add	0.57	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.77	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0030	GSF 12' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	21.42	5.82
	For 30' To 49' In Length Only, Add	1.96	
	For 50' To 69' In Length Only, Add	1.07	
	For 70' To 99' In Length Only, Add	0.44	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.64	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.07	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.61	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.09	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.57	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.07	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.14	
	For Each SF Of 24 Gauge Wall Panel, Add	0.62	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.83	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0031	GSF 14' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	22.93	6.30
	For 30' To 49' In Length Only, Add	2.05	
	For 50' To 69' In Length Only, Add	1.12	
	For 70' To 99' In Length Only, Add	0.46	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.69	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.15	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.72	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.24	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.75	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.36	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.50	
	For Each SF Of 24 Gauge Wall Panel, Add	0.66	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.89	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0032	GSF 16' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	24.84	6.86
	For 30' To 49' In Length Only, Add	2.21	
	For 50' To 69' In Length Only, Add	1.21	
	For 70' To 99' In Length Only, Add	0.50	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.75	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.24	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.86	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.42	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.98	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.72	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.96	
	For Each SF Of 24 Gauge Wall Panel, Add	0.71	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.96	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0033	GSF 18' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	26.56	7.39
	For 30' To 49' In Length Only, Add	2.33	
	For 50' To 69' In Length Only, Add	1.27	
	For 70' To 99' In Length Only, Add	0.52	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.80	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.33	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.99	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.59	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.19	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.05	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.37	
	For Each SF Of 24 Gauge Wall Panel, Add	0.76	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.03	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



Special Construction			13
Special Structures			13 30
Fabricated Engineered Structures			13 34

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
13 34 19 00-0034	GSF 20' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	28.24		7.92
	For 30' To 49' In Length Only, Add	2.44		
	For 50' To 69' In Length Only, Add	1.33		
	For 70' To 99' In Length Only, Add	0.55		
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.85		
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.41		
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.12		
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.75		
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.39		
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.37		
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.78		
	For Each SF Of 24 Gauge Wall Panel, Add	0.81		
	For Each SF Of Lap Roof, Deduct	-0.76		
	For Each SF Of Hip Roof, Add	1.09		
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0035	GSF 24' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	31.77		9.04
	For 30' To 49' In Length Only, Add	2.67		
	For 50' To 69' In Length Only, Add	1.46		
	For 70' To 99' In Length Only, Add	0.60		
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.95		
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.59		
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.38		
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.10		
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.81		
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.04		
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.62		
	For Each SF Of 24 Gauge Wall Panel, Add	0.91		
	For Each SF Of Lap Roof, Deduct	-0.76		
	For Each SF Of Hip Roof, Add	1.24		
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0036	>40' To 50' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings (13 34 19 00-0027)			
13 34 19 00-0037	GSF 10' Eave Height, Up To 30' Long, >40' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	17.87		4.72
	For 30' To 49' In Length Only, Add	1.70		
	For 50' To 69' In Length Only, Add	0.93		
	For 70' To 99' In Length Only, Add	0.38		
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.54		
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.89		
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.34		
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.74		
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.14		
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.40		
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.29		
	For Each SF Of 24 Gauge Wall Panel, Add	0.52		
	For Each SF Of Lap Roof, Deduct	-0.76		
	For Each SF Of Hip Roof, Add	0.69		
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0038	GSF 12' Eave Height, Up To 30' Long, >40' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	19.15		5.15
	For 30' To 49' In Length Only, Add	1.77		
	For 50' To 69' In Length Only, Add	0.97		
	For 70' To 99' In Length Only, Add	0.40		
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.57		
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.96		
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.44		
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.87		
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.30		
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.64		
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.60		
	For Each SF Of 24 Gauge Wall Panel, Add	0.55		
	For Each SF Of Lap Roof, Deduct	-0.76		
	For Each SF Of Hip Roof, Add	0.75		
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0039	GSF 14' Eave Height, Up To 30' Long, >40' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	20.42		5.59
	For 30' To 49' In Length Only, Add	1.84		
	For 50' To 69' In Length Only, Add	1.00		
	For 70' To 99' In Length Only, Add	0.41		
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.61		
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.02		
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.53		
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.99		
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.45		
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.88		
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.90		
	For Each SF Of 24 Gauge Wall Panel, Add	0.59		
	For Each SF Of Lap Roof, Deduct	-0.76		
	For Each SF Of Hip Roof, Add	0.80		
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0040 GSF 16' Eave Height, Up To 30' Long, >40' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	21.76	6.00
For 30' To 49' In Length Only, Add	1.94	
For 50' To 69' In Length Only, Add	1.06	
For 70' To 99' In Length Only, Add	0.44	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.65	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.09	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.63	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.12	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.61	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.13	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.22	
For Each SF Of 24 Gauge Wall Panel, Add	0.62	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.85	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0041 GSF 18' Eave Height, Up To 30' Long, >40' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	23.13	6.43
For 30' To 49' In Length Only, Add	2.03	
For 50' To 69' In Length Only, Add	1.11	
For 70' To 99' In Length Only, Add	0.46	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.69	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.16	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.73	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.26	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.78	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.39	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.55	
For Each SF Of 24 Gauge Wall Panel, Add	0.66	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.91	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0042 GSF 20' Eave Height, Up To 30' Long, >40' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	24.46	6.86
For 30' To 49' In Length Only, Add	2.12	
For 50' To 69' In Length Only, Add	1.16	
For 70' To 99' In Length Only, Add	0.48	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.73	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.22	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.83	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.38	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.94	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.65	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.87	
For Each SF Of 24 Gauge Wall Panel, Add	0.70	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.96	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0043 GSF 24' Eave Height, Up To 30' Long, >40' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	27.50	7.82
For 30' To 49' In Length Only, Add	2.32	
For 50' To 69' In Length Only, Add	1.26	
For 70' To 99' In Length Only, Add	0.52	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.83	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.38	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.06	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.68	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.30	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.23	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.60	
For Each SF Of 24 Gauge Wall Panel, Add	0.78	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.08	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0044 >50' To 80' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings (13 34 19 00-0027)		
13 34 19 00-0045 GSF 10' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	15.23	3.71
For 30' To 49' In Length Only, Add	1.62	
For 50' To 69' In Length Only, Add	0.89	
For 70' To 99' In Length Only, Add	0.37	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.46	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.76	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.14	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.48	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.83	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.89	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.66	
For Each SF Of 24 Gauge Wall Panel, Add	0.45	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.57	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



		Special Construction	13
		Special Structures	13 30
		Fabricated Engineered Structures	13 34

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34	19 00-0046	GSF	12' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	16.10	3.97
			For 30' To 49' In Length Only, Add	1.69	
			For 50' To 69' In Length Only, Add	0.92	
			For 70' To 99' In Length Only, Add	0.38	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.48	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.81	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.21	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.57	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.93	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.06	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.86	
			For Each SF Of 24 Gauge Wall Panel, Add	0.47	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.60	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0047	GSF	14' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	16.94	4.21
			For 30' To 49' In Length Only, Add	1.76	
			For 50' To 69' In Length Only, Add	0.96	
			For 70' To 99' In Length Only, Add	0.40	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.51	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.85	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.27	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.65	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.03	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.22	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.07	
			For Each SF Of 24 Gauge Wall Panel, Add	0.50	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.63	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0048	GSF	16' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	17.84	4.47
			For 30' To 49' In Length Only, Add	1.83	
			For 50' To 69' In Length Only, Add	1.00	
			For 70' To 99' In Length Only, Add	0.41	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.54	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.89	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.34	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.74	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.14	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.39	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.28	
			For Each SF Of 24 Gauge Wall Panel, Add	0.52	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.66	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0049	GSF	18' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	18.96	4.78
			For 30' To 49' In Length Only, Add	1.93	
			For 50' To 69' In Length Only, Add	1.06	
			For 70' To 99' In Length Only, Add	0.44	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.57	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.95	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.42	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.85	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.28	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.60	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.55	
			For Each SF Of 24 Gauge Wall Panel, Add	0.55	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.70	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0050	GSF	20' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	19.96	5.03
			For 30' To 49' In Length Only, Add	2.04	
			For 50' To 69' In Length Only, Add	1.11	
			For 70' To 99' In Length Only, Add	0.46	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.60	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.00	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.50	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.95	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.40	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.79	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.79	
			For Each SF Of 24 Gauge Wall Panel, Add	0.58	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.73	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13	Special Construction
13 30	Special Structures
13 34	Fabricated Engineered Structures



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0051	GSF	24' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	22.34	5.72
		For 30' To 49' In Length Only, Add	2.23	
		For 50' To 69' In Length Only, Add	1.22	
		For 70' To 99' In Length Only, Add	0.50	
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.67	
		For >3 In 12 Slope To 5 In 12 Slope, Add	1.12	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.68	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.18	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.68	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.24	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.36	
		For Each SF Of 24 Gauge Wall Panel, Add	0.65	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	0.82	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0052		Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0051)		
		Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0053		Up To 60' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings		
		(13 34 19 00-0052)		
13 34 19 00-0054	GSF	14' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	16.30	4.37
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.49	
		For >3 In 12 Slope To 5 In 12 Slope, Add	0.82	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.22	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.59	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.96	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.10	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.91	
		For Each SF Of 24 Gauge Wall Panel, Add	0.47	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	0.65	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0055	GSF	16' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	17.41	4.68
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.52	
		For >3 In 12 Slope To 5 In 12 Slope, Add	0.87	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.31	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.70	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.09	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.31	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.18	
		For Each SF Of 24 Gauge Wall Panel, Add	0.50	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	0.69	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0056	GSF	18' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	18.30	4.93
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.55	
		For >3 In 12 Slope To 5 In 12 Slope, Add	0.92	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.37	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.78	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.20	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.48	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.39	
		For Each SF Of 24 Gauge Wall Panel, Add	0.53	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	0.72	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0057	GSF	20' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	19.16	5.19
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.57	
		For >3 In 12 Slope To 5 In 12 Slope, Add	0.96	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.44	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.87	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.30	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.64	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.60	
		For Each SF Of 24 Gauge Wall Panel, Add	0.55	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	0.75	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0058	GSF	24' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	20.78	5.63
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.62	
		For >3 In 12 Slope To 5 In 12 Slope, Add	1.04	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.56	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.03	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.49	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.95	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.99	
		For Each SF Of 24 Gauge Wall Panel, Add	0.60	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	0.81	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0059		>60' To 80' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0052)		



Special Construction			13	13
Special Structures			13 30	
Fabricated Engineered Structures			13 34	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34	19 00-0060	GSF	14' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	14.98	3.86
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.45	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.75	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.12	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.46	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.80	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.85	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.60	
			For Each SF Of 24 Gauge Wall Panel, Add	0.44	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.58	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0061	GSF	16' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	15.95	4.11
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.48	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.80	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.20	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.56	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.91	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.03	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.83	
			For Each SF Of 24 Gauge Wall Panel, Add	0.46	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.62	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0062	GSF	18' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	16.82	4.37
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.50	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.84	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.26	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.64	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.02	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.20	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.04	
			For Each SF Of 24 Gauge Wall Panel, Add	0.49	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.65	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0063	GSF	20' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	17.60	4.58
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.53	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.88	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.32	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.72	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.11	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.34	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.22	
			For Each SF Of 24 Gauge Wall Panel, Add	0.51	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.67	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0064	GSF	24' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	19.07	4.98
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.57	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.95	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.43	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.86	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.29	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.62	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.58	
			For Each SF Of 24 Gauge Wall Panel, Add	0.55	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.72	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0065		>80' To 100' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0052)		
13 34	19 00-0066	GSF	14' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	13.76	3.40
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.41	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.69	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.03	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.34	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.65	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.61	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.30	
			For Each SF Of 24 Gauge Wall Panel, Add	0.40	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.53	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0067	GSF	16' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	14.40	3.56	
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.43		
		For >3 In 12 Slope To 5 In 12 Slope, Add	0.72		
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.08		
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.40		
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.73		
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.74		
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.46		
		For Each SF Of 24 Gauge Wall Panel, Add	0.42		
		For Each SF Of Lap Roof, Deduct	-0.76		
		For Each SF Of Hip Roof, Add	0.55		
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0068	GSF	18' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	15.17	3.76	
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.46		
		For >3 In 12 Slope To 5 In 12 Slope, Add	0.76		
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.14		
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.48		
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.82		
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.88		
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.64		
		For Each SF Of 24 Gauge Wall Panel, Add	0.45		
		For Each SF Of Lap Roof, Deduct	-0.76		
		For Each SF Of Hip Roof, Add	0.57		
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0069	GSF	20' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	15.82	3.91	
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.47		
		For >3 In 12 Slope To 5 In 12 Slope, Add	0.79		
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.19		
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.54		
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.90		
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.01		
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.80		
		For Each SF Of 24 Gauge Wall Panel, Add	0.46		
		For Each SF Of Lap Roof, Deduct	-0.76		
		For Each SF Of Hip Roof, Add	0.59		
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0070	GSF	24' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	17.16	4.27	
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.51		
		For >3 In 12 Slope To 5 In 12 Slope, Add	0.86		
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.29		
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.67		
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.06		
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.26		
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.12		
		For Each SF Of 24 Gauge Wall Panel, Add	0.50		
		For Each SF Of Lap Roof, Deduct	-0.76		
		For Each SF Of Hip Roof, Add	0.64		
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0071		>100' To 120' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0052)			
13 34 19 00-0072	GSF	14' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	13.35	3.25	
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.40		
		For >3 In 12 Slope To 5 In 12 Slope, Add	0.67		
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.00		
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.30		
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.60		
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.54		
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.20		
		For Each SF Of 24 Gauge Wall Panel, Add	0.39		
		For Each SF Of Lap Roof, Deduct	-0.76		
		For Each SF Of Hip Roof, Add	0.51		
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0073	GSF	16' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	13.90	3.40	
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.42		
		For >3 In 12 Slope To 5 In 12 Slope, Add	0.70		
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.04		
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.36		
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.67		
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.64		
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.34		
		For Each SF Of 24 Gauge Wall Panel, Add	0.41		
		For Each SF Of Lap Roof, Deduct	-0.76		
		For Each SF Of Hip Roof, Add	0.53		
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		



Special Construction			13	13
Special Structures			13 30	
Fabricated Engineered Structures			13 34	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
13 34 19 00-0074	GSF	18' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	14.54	3.56
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.44	
		For >3 In 12 Slope To 5 In 12 Slope, Add	0.73	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.09	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.42	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.74	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.76	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.49	
		For Each SF Of 24 Gauge Wall Panel, Add	0.43	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	0.55	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0075	GSF	20' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	15.15	3.71
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.45	
		For >3 In 12 Slope To 5 In 12 Slope, Add	0.76	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.14	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.48	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.82	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.88	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.64	
		For Each SF Of 24 Gauge Wall Panel, Add	0.45	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	0.57	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0076	GSF	24' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	16.43	4.01
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.49	
		For >3 In 12 Slope To 5 In 12 Slope, Add	0.82	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.23	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.60	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.97	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.12	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.94	
		For Each SF Of 24 Gauge Wall Panel, Add	0.48	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	0.60	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0077		Double Post 3-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0001)		
		Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0078		Up To 120' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0001)		
13 34 19 00-0079	GSF	14' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	13.38	3.40
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.40	
		For >3 In 12 Slope To 5 In 12 Slope, Add	0.67	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.00	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.30	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.61	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.54	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.21	
		For Each SF Of 24 Gauge Wall Panel, Add	0.39	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	0.53	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0080	GSF	16' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	13.91	3.56
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.42	
		For >3 In 12 Slope To 5 In 12 Slope, Add	0.70	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.04	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.36	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.67	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.64	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.34	
		For Each SF Of 24 Gauge Wall Panel, Add	0.41	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	0.55	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0081	GSF	18' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	13.89	3.46
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.42	
		For >3 In 12 Slope To 5 In 12 Slope, Add	0.69	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.04	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.35	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.67	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.64	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.33	
		For Each SF Of 24 Gauge Wall Panel, Add	0.41	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	0.53	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0082	GSF	20' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	.....	14.46	3.60
		For >1 In 12 Slope To 3 In 12 Slope, Add		0.43	
		For >3 In 12 Slope To 5 In 12 Slope, Add		0.72	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add		1.08	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add		1.41	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add		1.74	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add		2.75	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add		3.47	
		For Each SF Of 24 Gauge Wall Panel, Add		0.42	
		For Each SF Of Lap Roof, Deduct		-0.76	
		For Each SF Of Hip Roof, Add		0.55	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)		-1.97	
13 34 19 00-0083	GSF	24' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	.....	16.09	3.86
		For >1 In 12 Slope To 3 In 12 Slope, Add		0.48	
		For >3 In 12 Slope To 5 In 12 Slope, Add		0.80	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add		1.21	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add		1.57	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add		1.93	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add		3.06	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add		3.86	
		For Each SF Of 24 Gauge Wall Panel, Add		0.48	
		For Each SF Of Lap Roof, Deduct		-0.76	
		For Each SF Of Hip Roof, Add		0.58	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)		-1.97	
13 34 19 00-0084		>120' To 150' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0077)			
13 34 19 00-0085	GSF	14' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	.....	12.54	3.10
		For >1 In 12 Slope To 3 In 12 Slope, Add		0.38	
		For >3 In 12 Slope To 5 In 12 Slope, Add		0.63	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add		0.94	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add		1.22	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add		1.50	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add		2.38	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add		3.01	
		For Each SF Of 24 Gauge Wall Panel, Add		0.37	
		For Each SF Of Lap Roof, Deduct		-0.76	
		For Each SF Of Hip Roof, Add		0.49	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)		-1.97	
13 34 19 00-0086	GSF	16' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	.....	12.97	3.20
		For >1 In 12 Slope To 3 In 12 Slope, Add		0.39	
		For >3 In 12 Slope To 5 In 12 Slope, Add		0.65	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add		0.97	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add		1.26	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add		1.56	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add		2.46	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add		3.11	
		For Each SF Of 24 Gauge Wall Panel, Add		0.38	
		For Each SF Of Lap Roof, Deduct		-0.76	
		For Each SF Of Hip Roof, Add		0.50	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)		-1.97	
13 34 19 00-0087	GSF	18' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	.....	13.47	3.33
		For >1 In 12 Slope To 3 In 12 Slope, Add		0.40	
		For >3 In 12 Slope To 5 In 12 Slope, Add		0.67	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add		1.01	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add		1.31	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add		1.62	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add		2.56	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add		3.23	
		For Each SF Of 24 Gauge Wall Panel, Add		0.40	
		For Each SF Of Lap Roof, Deduct		-0.76	
		For Each SF Of Hip Roof, Add		0.52	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)		-1.97	
13 34 19 00-0088	GSF	20' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	.....	13.95	3.46
		For >1 In 12 Slope To 3 In 12 Slope, Add		0.42	
		For >3 In 12 Slope To 5 In 12 Slope, Add		0.70	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add		1.05	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add		1.36	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add		1.67	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add		2.65	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add		3.35	
		For Each SF Of 24 Gauge Wall Panel, Add		0.41	
		For Each SF Of Lap Roof, Deduct		-0.76	
		For Each SF Of Hip Roof, Add		0.53	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)		-1.97	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0089 GSF 24' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	15.57	3.71
For >1 In 12 Slope To 3 In 12 Slope, Add	0.47	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.78	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.17	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.52	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.87	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.96	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.74	
For Each SF Of 24 Gauge Wall Panel, Add	0.46	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.57	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0090 Triple Post 4-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0090)		
Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0091 Up To 160' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building (13 34 19 00-0090)		
13 34 19 00-0092 GSF 14' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	12.02	2.95
For >1 In 12 Slope To 3 In 12 Slope, Add	0.36	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.60	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.90	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.17	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.44	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.28	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.88	
For Each SF Of 24 Gauge Wall Panel, Add	0.35	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.47	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0093 GSF 16' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	12.51	3.05
For >1 In 12 Slope To 3 In 12 Slope, Add	0.38	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.63	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.94	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.22	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.50	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.38	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.00	
For Each SF Of 24 Gauge Wall Panel, Add	0.37	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.48	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0094 GSF 18' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	12.93	3.15
For >1 In 12 Slope To 3 In 12 Slope, Add	0.39	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.65	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.97	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.26	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.55	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.46	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.10	
For Each SF Of 24 Gauge Wall Panel, Add	0.38	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.49	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0095 GSF 20' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	13.34	3.25
For >1 In 12 Slope To 3 In 12 Slope, Add	0.40	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.67	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.00	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.30	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.60	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.53	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.20	
For Each SF Of 24 Gauge Wall Panel, Add	0.39	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.51	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0096 GSF 24' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	15.01	3.56
For >1 In 12 Slope To 3 In 12 Slope, Add	0.45	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.75	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.13	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.46	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.80	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.85	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.60	
For Each SF Of 24 Gauge Wall Panel, Add	0.44	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.55	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0097 >160' To 180' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building (13 34 19 00-0090)		

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0098	GSF	14'	Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	11.81	2.85
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.35	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.59	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.89	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.15	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.42	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.24	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.83	
			For Each SF Of 24 Gauge Wall Panel, Add	0.35	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.46	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0099	GSF	16'	Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	12.23	2.95
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.37	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.61	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.92	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.19	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.47	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.32	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.94	
			For Each SF Of 24 Gauge Wall Panel, Add	0.36	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.47	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0100	GSF	18'	Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	12.69	3.05
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.38	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.63	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.95	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.24	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.52	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.41	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.05	
			For Each SF Of 24 Gauge Wall Panel, Add	0.37	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.48	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0101	GSF	20'	Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	13.10	3.15
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.39	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.66	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.98	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.28	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.57	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.49	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.14	
			For Each SF Of 24 Gauge Wall Panel, Add	0.39	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.49	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0102	GSF	24'	Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	14.67	3.40
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.44	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.73	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.10	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.43	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.76	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.79	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.52	
			For Each SF Of 24 Gauge Wall Panel, Add	0.44	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.53	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0103			>180' To 200' Wide Triple Post 4-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0090)		
13 34 19 00-0104	GSF	14'	Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	11.61	2.75
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.35	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.58	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.87	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.13	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.39	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.21	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.79	
			For Each SF Of 24 Gauge Wall Panel, Add	0.34	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.44	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34	19 00-0105	GSF	16' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding For >1 In 12 Slope To 3 In 12 Slope, Add For >3 In 12 Slope To 5 In 12 Slope, Add For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add For Each SF Of 24 Gauge Wall Panel, Add For Each SF Of Lap Roof, Deduct For Each SF Of Hip Roof, Add For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	11.96 0.36 0.60 0.90 1.17 1.44 2.27 2.87 0.35 -0.76 0.46 -1.97	2.85
13 34	19 00-0106	GSF	18' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding For >1 In 12 Slope To 3 In 12 Slope, Add For >3 In 12 Slope To 5 In 12 Slope, Add For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add For Each SF Of 24 Gauge Wall Panel, Add For Each SF Of Lap Roof, Deduct For Each SF Of Hip Roof, Add For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	12.42 0.37 0.62 0.93 1.21 1.49 2.36 2.98 0.37 -0.76 0.47 -1.97	2.95
13 34	19 00-0107	GSF	20' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding For >1 In 12 Slope To 3 In 12 Slope, Add For >3 In 12 Slope To 5 In 12 Slope, Add For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add For Each SF Of 24 Gauge Wall Panel, Add For Each SF Of Lap Roof, Deduct For Each SF Of Hip Roof, Add For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	12.88 0.39 0.64 0.97 1.26 1.55 2.45 3.09 0.38 -0.76 0.48 -1.97	3.05
13 34	19 00-0108	GSF	24' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding For >1 In 12 Slope To 3 In 12 Slope, Add For >3 In 12 Slope To 5 In 12 Slope, Add For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add For Each SF Of 24 Gauge Wall Panel, Add For Each SF Of Lap Roof, Deduct For Each SF Of Hip Roof, Add For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	14.44 0.43 0.72 1.08 1.41 1.73 2.74 3.47 0.43 -0.76 0.51 -1.97	3.30
13 34	19 00-0109		Metal Building Options (13 34 19 00-0001) Note: For use with metal buildings only. See CSI section 08 36 13 00-0013 for sectional doors, 08 51 13 00-0065 for sliding windows.		
13 34	19 00-0110		Metal Framing For Rough Openings (13 34 19 00-0109) Note: Excludes doors See CSI section 08 13 00 00-0000 for metal doors, 08 14 00 00-0000 for wood doors, 08 33 23 00-0000 for overhead coiling doors.		
13 34	19 00-0111	EA	Single Door, Metal Frame Rough Opening.....	432.28	113.81
13 34	19 00-0112	EA	Double Door, Metal Frame Rough Opening.....	654.31	147.35
13 34	19 00-0113	EA	10' x 10' Overhead Door, Metal Frame Rough Opening	767.47	139.73
13 34	19 00-0114	EA	12' x 12' Overhead Door, Metal Frame Rough Opening	827.77	142.26
13 34	19 00-0115	EA	14' x 14' Overhead Door, Metal Frame Rough Opening	878.33	147.35
13 34	19 00-0116	EA	Up To 12 SF, Window Opening, Metal Frame Rough Opening	416.54	113.81
13 34	19 00-0117	EA	>12 To 18 SF, Window Opening, Metal Frame Rough Opening	468.01	129.36
13 34	19 00-0118	LF	Additional Girts.....	11.43	
13 34	19 00-0119		Wall Panel Options For Metal Buildings (13 34 19 00-0109) Note: Upgrade from 26 gauge wall panels.		
13 34	19 00-0120	SF	Upgrade To 2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile Note: 24 gauge exterior and 24 gauge interior panels. For AZ-50 Aluminum-Zinc Coated Exterior, Add For Premium Exterior Colors, Add	9.94 0.24 0.12	
13 34	19 00-0121	SF	Upgrade To 2-1/2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile..... Note: 24 gauge exterior and 24 gauge interior panels. For AZ-50 Aluminum-Zinc Coated Exterior, Add For Premium Exterior Colors, Add	12.13 0.24 0.12	
13 34	19 00-0122	SF	Upgrade To 3" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile..... Note: 24 gauge exterior and 24 gauge interior panels. For AZ-50 Aluminum-Zinc Coated Exterior, Add For Premium Exterior Colors, Add	14.11 0.24 0.12	
13 34	19 00-0123	SF	Upgrade To 4" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile..... Note: 24 gauge exterior and 24 gauge interior panels. For AZ-50 Aluminum-Zinc Coated Exterior, Add For Premium Exterior Colors, Add	16.41 0.24 0.12	

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TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

13 34 19 00-0124		Roofing Options For Metal Buildings (13 34 19 00-0109)			
		Note: Upgrade from 26 gauge standing seam roof panels.			
13 34 19 00-0125	SF	Upgrade To 24 Gauge Galvanized Steel Standing Seam Roof	0.98		
13 34 19 00-0126	SF	Upgrade To 4" Thick Insulated Roof Panel, Metal-Span III, CFR-42	16.99		
		Note: 24 gauge exterior and 24 gauge interior panels.			
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24		
		For Premium Exterior Colors, Add	0.12		
13 34 19 00-0127	SF	Upgrade To 5" Thick Insulated Roof Panel, Metal-Span III, CFR-42	18.13		
		Note: 24 gauge exterior and 24 gauge interior panels.			
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24		
		For Premium Exterior Colors, Add	0.12		
13 34 19 00-0128	SF	Upgrade To 6" Thick Insulated Roof Panel, Metal-Span III, CFR-42	19.07		
		Note: 24 gauge exterior and 24 gauge interior panels.			
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24		
		For Premium Exterior Colors, Add	0.12		
13 34 19 00-0129	EA	3' x 10' Translucent Fiberglass Panels	147.45		43.70
13 34 19 00-0130	LF	Vented Ridge Vent For Standing Seam Roof	20.08		
13 34 19 00-0131		Insulation For Metal Buildings (13 34 19 00-0109)			
13 34 19 00-0132	SF	1-1/2" Thick, R-5.5, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.01		0.27
13 34 19 00-0133	SF	2-1/2" Thick, R-8, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.12		0.27
13 34 19 00-0134	SF	3-1/2" Thick, R-11, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.27		0.36
13 34 19 00-0135	SF	3-1/2" Thick, R-13, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.48		0.36
13 34 19 00-0136	SF	6" Thick, R-19, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.86		0.36
13 34 19 00-0137	SF	1-1/2" Thick, R-5.5, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.24		0.27
13 34 19 00-0138	SF	2-1/2" Thick, R-8, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.35		0.27
13 34 19 00-0139	SF	3-1/2" Thick, R-11, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.46		0.36
13 34 19 00-0140	SF	3-1/2" Thick, R-13, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.62		0.36
13 34 19 00-0141	SF	6" Thick, R-19, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.93		0.36
13 34 19 00-0142	SF	1-1/2" Thick, R-5.5, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.17		0.27
13 34 19 00-0143	SF	2-1/2" Thick, R-8, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.31		0.27
13 34 19 00-0144	SF	3-1/2" Thick, R-11, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.55		0.36
13 34 19 00-0145	SF	3-1/2" Thick, R-13, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.71		0.36
13 34 19 00-0146	SF	6" Thick, R-19, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	2.00		0.36
13 34 19 00-0147	SF	2" Thick, R-6.5, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.09		0.27
13 34 19 00-0148	SF	3" Thick, R-10, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.15		0.27
13 34 19 00-0149	SF	4" Thick, R-13, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.30		0.36
13 34 19 00-0150	SF	6" Thick, R-19, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.62		0.36
13 34 19 00-0151	SF	2" Thick, R-6.5, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.10		0.27
13 34 19 00-0152	SF	3" Thick, R-10, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.17		0.27
13 34 19 00-0153	SF	4" Thick, R-13, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.32		0.36
13 34 19 00-0154	SF	6" Thick, R-19, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.66		0.36
13 34 19 00-0155	SF	2" Thick, R-6.5, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	1.47		0.27
13 34 19 00-0156	SF	3" Thick, R-10, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	1.57		0.27
13 34 19 00-0157	SF	4" Thick, R-13, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	1.72		0.36
13 34 19 00-0158	SF	6" Thick, R-19, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	2.06		0.36
13 34 19 00-0159		Eave And Overhang Options For Metal Buildings (13 34 19 00-0109)			
13 34 19 00-0160	LF	2' End Wall Roof Overhang And 26 Gauge Soffit	32.97		7.92
13 34 19 00-0161	LF	4' End Wall Roof Overhang And 26 Gauge Soffit	49.57		5.69
13 34 19 00-0162	SF	Up To 20 SF, Prefinished Aluminum, Wall Hung Canopy	65.66		12.70
		Note: Up to 7' projection from wall. Includes finished underside and edges.			
		For End Braced (Up To 16' Wall Projection), Add	15.15		
		For Overhead Braced (Up To 10' Wall Projection), Add	8.58		
13 34 19 00-0163	SF	>20 To 50 SF, Prefinished Aluminum, Wall Hung Canopy	54.89		10.67
		Note: Up to 7' projection from wall. Includes finished underside and edges.			
		For End Braced (Up To 16' Wall Projection), Add	12.66		
		For Overhead Braced (Up To 10' Wall Projection), Add	7.17		
13 34 19 00-0164	SF	>50 SF, Prefinished Aluminum, Wall Hung Canopy	42.18		9.14
		Note: Up to 7' projection from wall. Includes finished underside and edges.			
		For End Braced (Up To 16' Wall Projection), Add	9.63		
		For Overhead Braced (Up To 10' Wall Projection), Add	5.41		
13 34 19 00-0165	SF	Up To 50 SF, Prefinished Aluminum, Free Standing Canopy	82.13		19.31
		Note: Includes finished underside and edges.			
13 34 19 00-0166	SF	>50 SF, Prefinished Aluminum, Free Standing Canopy	54.52		11.68
		Note: Includes finished underside and edges.			
13 34 19 00-0167	LF	1' Standard Eave Overhang Without Soffit	30.75		
13 34 19 00-0168	LF	2' Standard Eave Overhang Without Soffit	38.42		
13 34 19 00-0169	LF	3' Standard Eave Overhang Without Soffit	46.38		
13 34 19 00-0170	LF	4' Standard Eave Overhang Without Soffit	54.19		
13 34 19 00-0171	LF	6' Standard Eave Overhang Without Soffit	69.15		
13 34 19 00-0172	LF	1' Standard Eave Overhang And 26 Gauge Soffit	40.70		
		For 24 Gauge, Add	4.16		
13 34 19 00-0173	LF	2' Standard Eave Overhang And 26 Gauge Soffit	50.80		
		For 24 Gauge, Add	5.24		
13 34 19 00-0174	LF	3' Standard Eave Overhang And 26 Gauge Soffit	61.16		
		For 24 Gauge, Add	6.28		
13 34 19 00-0175	LF	4' Standard Eave Overhang And 26 Gauge Soffit	71.54		
		For 24 Gauge, Add	7.32		



Special Construction			13
Special Structures			13 30
Fabricated Engineered Structures			13 34

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0176 LF 6' Standard Eave Overhang And 26 Gauge Soffit..... For 24 Gauge, Add	91.30 9.43	
13 34 19 00-0177 Louvers And Vents For Metal Buildings (13 34 19 00-0109)		
13 34 19 00-0178 EA 4' x 3' Fixed Louver	533.08	158.52
13 34 19 00-0179 EA 12" Rotary Vent With Damper	326.07	101.62
13 34 19 00-0180 EA 20" Rotary Vent With Damper	554.99	135.66
13 34 19 00-0181 EA 24" Rotary Vent With Damper	722.85	152.43
13 34 19 00-0182 EA Gravity Ridge Ventilator With Birdscreen, 9" Throat x 10'	841.53	203.23
13 34 19 00-0183 EA Gravity Ridge Ventilator With Birdscreen, 12" Throat x 10'	891.05	203.23
13 34 19 00-0184 EA Ridge Ventilator - 9" Throat X 10 Ft, Manually Operated Damper With Birdscreen	1,020.68	203.23
13 34 19 00-0185 EA Ridge Ventilator - 12" Throat X 10 Ft, Manually Operated Damper With Birdscreen	1,105.98	203.23
13 34 19 00-0186 EA Ridge Ventilator - 15" Throat X 10 Ft, Manually Operated Damper With Birdscreen	1,199.82	203.23
13 34 19 00-0187 EA Ridge Ventilator - 18" Throat X 10 Ft, Manually Operated Damper With Birdscreen	1,293.65	203.23
13 34 19 00-0188 EA Ridge Ventilator - 9" Throat X 10 Ft, Motor Operated Damper With Birdscreen	1,693.84	254.05
13 34 19 00-0189 EA Ridge Ventilator - 12" Throat X 10 Ft, Motor Operated Damper With Birdscreen	1,847.39	254.05
13 34 19 00-0190 Gutters And Downspouts For Metal Buildings (13 34 19 00-0109)		
13 34 19 00-0191 LF Pre-Engineered Standard Type Gutter, Painted	8.64	2.54
For Galvanized Instead Of Painted, Deduct	-0.89	
13 34 19 00-0192 LF Pre-Engineered Standard Type Downspout, Painted	8.54	3.56
For Galvanized Instead Of Painted, Deduct	-0.36	
13 34 23 Fabricated Structures (13 34)		
13 34 23 13 Portable and Mobile Buildings (13 34 23)		
13 34 23 13-0001 Prefabricated Signal, Communication Or Electrical Building (13 34 23 13)		
Note: Complete, includes door, roof, lights and wiring, insulation, painted.		
13 34 23 13-0002 SF 15 SF To 29 SF Prefabricated Signal, Communication Or Electrical Building	368.53	
13 34 23 13-0003 SF 30 SF To 49 SF Prefabricated Signal, Communication Or Electrical Building	316.18	
13 34 23 13-0004 SF 50 SF To 79 SF Prefabricated Signal, Communication Or Electrical Building	253.10	
13 34 23 13-0005 SF 80 SF To 99 SF Prefabricated Signal, Communication Or Electrical Building	200.24	
13 34 23 13-0006 SF 100 SF To 144 SF Prefabricated Signal, Communication Or Electrical Building	178.92	
13 34 23 13-0007 Temporary Trailers 1 To 6 Years Life (13 34 23 13)		
Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, phone jacks, two wooden landings, stairs, and handrails. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
13 34 23 13-0008 SF Single Trailer Up To 14' x 73'	43.17	
For Each Delivery And Set-Up (Block And Level), Add	1,310.63	
For Each Knock-Down And Pick-Up, Add	1,030.63	
For Each Anchoring Into Asphalt Or Concrete, Add	110.00	
13 34 23 13-0009 SF Modular Trailers, Connected	60.44	
For Each Anchoring Into Asphalt Or Concrete, Add	110.00	
For Each Delivery And Set-Up (Block And Level), Add	2,900.17	
For Each Knock-Down And Pick-Up, Add	2,250.17	
13 34 23 13-0010 EA Add Per Additional Exterior Door With Frame And Hardware	647.56	
13 34 23 13-0011 Accessories (13 34 23 13)		
13 34 23 13-0012 Skirting (13 34 23 13-0011)		
Note: Includes 2" x 4" wood framing 16" on center.		
13 34 23 13-0013 Vinyl Covered, Exterior Only (13 34 23 13-0012)		
13 34 23 13-0014 SF 1'-8" High Vinyl Covered Skirt	3.93	1.59
13 34 23 13-0015 SF 3' High Vinyl Covered Skirt	5.85	2.62
13 34 23 13-0016 Fiberglass, Exterior Only (13 34 23 13-0012)		
13 34 23 13-0017 SF 1'-8" High Fiberglass Skirt	7.24	3.00
13 34 23 13-0018 SF 3' High Fiberglass Skirt	8.45	3.65
13 34 23 13-0019 Plywood, Exterior Only (13 34 23 13-0012)		
13 34 23 13-0020 SF 1'-8" High 5/8" Plywood Skirt	6.91	3.18
13 34 23 13-0021 SF 3' High 5/8" Plywood Skirt	8.19	3.84
13 34 23 13-0022 Steel, Painted, Exterior Only (13 34 23 13-0012)		
13 34 23 13-0023 SF 1'-8" High 26 Gauge Steel Skirt	7.71	3.00
13 34 23 13-0024 SF 3' High 26 Gauge Steel Skirt	8.99	3.65
13 34 23 13-0025 14" x 14" Access Hatch (13 34 23 13-0011)		
Note: Simple design.		

13	Special Construction
13 30	Special Structures
13 34	Fabricated Engineered Structures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 23 13-0026 EA 14" x 14" Vinyl Covered Access Hatch.....	193.21	70.36
13 34 23 13-0027 EA 14" x 14" Fiberglass Access Hatch	171.25	70.36
13 34 23 13-0028 EA 14" x 14" Plywood Access Hatch	191.98	70.36
13 34 23 13-0029 EA 14" x 14" 26 Gauge Steel Access Hatch	192.98	70.36
13 34 23 13-0030 Pole Anchor (13 34 23 13-0011) Note: Joslyn.		
13 34 23 13-0031 EA Pole Anchor, 4" Helix, 3/4" x 54" Shaft.....	53.64	26.25
13 34 23 13-0032 EA Pole Anchor, 6" Helix, 3/4" x 66" Shaft.....	59.61	26.25
13 34 23 13-0033 EA Pole Anchor, 8" Helix, 1" x 66" Shaft.....	77.77	29.53
13 34 23 13-0034 EA Pole Anchor, 10" Helix, 1-1/4" x 66" Shaft.....	106.55	32.82
13 34 23 13-0035 EA Pole Anchor, 10" Helix, 1-1/4" x 8' Shaft.....	121.26	36.10
13 34 23 13-0036 EA Pole Anchor, 16" Helix, 1-1/4" x 8' Shaft.....	191.81	49.22
13 34 23 13-0037 Aluminum Modular Access Ramp (13 34 23 13-0011) Note: Includes picketed guardrails, inside grabrails, legs and hardware.		
13 34 23 13-0038 EA 72" Long x 52-1/4" Wide Ramp Section, Aluminum Modular Access Ramp	2,371.75	23.42
13 34 23 13-0039 EA 60-1/4" Long x 61-3/4" Wide Door Landing Section, Aluminum Modular Access Ramp	2,399.85	30.44
13 34 23 13-0040 EA 60-1/4" Long x 123-1/2" Wide Switchback Landing Section, Aluminum Modular Access Ramp	4,931.26	46.83
13 34 23 13-0041 EA 110-3/4" Long x 72" Wide Switchback Landing Section, Aluminum Modular Access Ramp	5,311.54	46.83
13 34 23 13-0042 EA 60-1/4" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	2,494.91	30.44
13 34 23 13-0043 EA 71-3/4" Long x 52-1/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	2,466.81	23.42
13 34 23 13-0044 EA 84-1/2" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	3,443.23	30.44
13 34 23 13-0045 EA 30" High x 82" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	2,448.57	30.44
13 34 23 13-0046 EA 35" High x 96" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	2,448.57	30.44
13 34 23 13-0047 EA 42" High x 110" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	2,784.87	30.44
13 34 23 13-0048 EA 49" High x 124" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	3,118.80	30.44
13 34 23 14 Fabricated Classroom Buildings (13 34 23)		
13 34 23 14-0001 Semi Permanent Modular Transportable Buildings (13 34 23 14)		
13 34 23 14-0002 SF Portable Classrooms, Complete With Doors, Windows, Fixtures, Toilets And Workroom	64.32	
For Each Anchoring Into Asphalt Or Concrete, Add	110.00	
For Each Delivery And Set-Up (Block And Level), Add	2,900.17	
For Each Knock-Down And Pick-Up, Add	2,250.17	
13 34 23 14-0003 SF Modular Classroom, Connected, Complete With Doors, Windows, Fixtures, Toilets And Teachers Work Room	66.23	
For Each Anchoring Into Asphalt Or Concrete, Add	110.00	
For Each Delivery And Set-Up (Block And Level), Add	2,900.17	
For Each Knock-Down And Pick-Up, Add	2,250.17	
13 34 23 16 Fabricated Control Booths (13 34 23)		
13 34 23 16-0001 Fabricated Parking Attendant Booths (13 34 23 16) Note: Excludes foundations and slab.		
13 34 23 16-0002 EA Parking Booth For Attendant.....	1,143.06	
13 34 23 31 Fabricated Pavilion Style Buildings (13 34 23)		
13 34 23 31-0001 Pavilion Style Metal Shelter Structures (13 34 23 31) Note: Prefabricated open structure system, complete with all necessary hardware. Hip roof, steel structural rafters and columns, urethane/polyester (TGIC) powder finish, aluminum roof decking, 8' height at perimeter. Excludes foundations and slab. Americana or equal.		
13 34 23 31-0002 EA 12' x 12' Pavilion Style Metal Shelter Structure.....	10,339.45	1,948.64
13 34 23 31-0003 EA 16' x 16' Pavilion Style Metal Shelter Structure.....	12,161.44	2,033.39
13 34 23 31-0004 EA 16' x 32' Pavilion Style Metal Shelter Structure.....	15,544.02	2,168.95
13 34 23 31-0005 EA 20' x 20' Pavilion Style Metal Shelter Structure.....	14,595.43	2,101.18
13 34 23 31-0006 EA 20' x 30' Pavilion Style Metal Shelter Structure.....	18,079.13	2,304.51
13 34 23 31-0007 EA 20' x 40' Pavilion Style Metal Shelter Structure.....	21,572.20	2,372.30
13 34 23 31-0008 EA 24' x 24' Pavilion Style Metal Shelter Structure.....	17,875.44	2,168.95
13 34 23 31-0009 EA 24' x 48' Pavilion Style Metal Shelter Structure.....	25,259.51	2,711.19
13 34 23 31-0010 EA 30' x 30' Pavilion Style Metal Shelter Structure.....	24,274.58	2,711.19
13 34 23 31-0011 EA 30' x 60' Pavilion Style Metal Shelter Structure.....	48,445.41	3,388.99
13 34 23 31-0012 EA 40' x 40' Pavilion Style Metal Shelter Structure.....	44,751.08	4,235.48
13 34 23 31-0013 EA 40' x 60' Pavilion Style Metal Shelter Structure.....	64,932.60	4,744.58

13 40 Integrated Construction (13)

13 42 Building Modules (13 40)

13 42 63 Detention Cell Modules (13 42)

13 42 63 16 Steel Detention Cell Modules (13 42 63)

13 42 63 16-0001 EA Bar Front, Rolling, 7/8" Bars, 4" On Center, 7' High, 5' Wide	14,135.03	770.50
Note: With hardware.		
13 42 63 16-0002 EA Cells, Prefabricated, 5'-6" Wide, 7'-8" High, Bar Front, Cot.....	19,765.69	1,031.72
Note: Not including plumbing.		



		Special Construction	13
		Integrated Construction	13 40
		Building Modules	13 42

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 42 63 16-0003 SF Temporary Holding Cell, 1/4" Woven Rod Panels On 2" Centers Note: Includes 12 gauge steel frame and concealment plates.	85.55	7.31
13 42 63 16-0004 SF Solid Security Ceiling, 14 Gauge Formed Steel Channels Note: 20" wide, 14 gauge galvanized steel face sheet, 10 gauge steel wall angle, backed polyester powder finish.	65.22	7.31
13 42 63 16-0005 SF Perforated Metal Crime Shield	60.66	3.02

13 47 Facility Protection (13 40)**13 47 13 Cathodic Protection** (13 47)**13 47 13 13 Cathodic Protection for Underground and Submerged Piping** (13 47 13)**13 47 13 13-0001 Anodes** (13 47 13 13)**13 47 13 13-0002 Magnesium Type, Conventional** (13 47 13 13-0001)

13 47 13 13-0003 EA 9 LB Magnesium Type Anodes	347.67	154.12
13 47 13 13-0004 EA 17 LB Magnesium Type Anodes	514.48	222.74
13 47 13 13-0005 EA 32 LB Magnesium Type Anode	698.46	286.55
13 47 13 13-0006 EA 48 LB Magnesium Type Anode	993.00	400.94

13 47 13 13-0007 Graphite Type (13 47 13 13-0001)

Note: Includes epoxy cap.

13 47 13 13-0008 EA 3" x 60" (32 LB) Graphite Type Anodes With Epoxy Cap	516.62	216.31
13 47 13 13-0009 EA 4" x 80" (68 LB) Graphite Type Anodes With Epoxy Cap	798.36	302.06
13 47 13 13-0010 EA 6" x 36" (45 LB) Graphite Type Anodes With Epoxy Cap	593.28	189.04
13 47 13 13-0011 EA 6" x 72" (80 LB) Graphite Type Anodes With Epoxy Cap	901.89	252.37

13 47 13 13-0012 Rectifiers (13 47 13 13)**13 47 13 13-0013 Air Cooled, Silicon Type** (13 47 13 13-0012)

13 47 13 13-0014 EA Air Cooled Rectifiers, 28 Volt, 10 Amperes, Silicon Type	1,766.81	307.18
13 47 13 13-0015 EA Air Cooled Rectifiers, 20 Volt / 20 Amperes, Silicon Type	1,910.61	307.18

13 47 13 13-0016 Oil Immersed, Silicon Type (13 47 13 13-0012)

13 47 13 13-0017 EA Oil Immersed Rectifiers, 28 Volt, 10 Amperes, Silicon Type	2,660.93	355.18
13 47 13 13-0018 EA Oil Immersed Rectifiers, 20 Volt / 20 Amperes, Silicon Type	2,815.01	355.18

13 47 13 13-0019 Anode Backfill (13 47 13 13)

13 47 13 13-0020 LB Anode Backfill, Coke Breeze	1.01	0.39
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13 47 13 13-0021 Cathodic Protection Cable (13 47 13 13)

13 47 13 13-0022 MLF Cathodic Protection Cable, OR2 - No 8	1,872.21	756.12
13 47 13 13-0023 MLF Cathodic Protection Cable, OR2 - No 6	2,031.61	756.12
13 47 13 13-0024 MLF Cathodic Protection Cable, OR2 - No 4	2,270.72	756.12
13 47 13 13-0025 MLF Cathodic Protection Cable, OR2 - No 2	2,669.23	756.12
13 47 13 13-0026 MLF Cathodic Protection Cable, OR2 - No 1	3,257.28	833.10
13 47 13 13-0027 MLF Cathodic Protection Cable, OR2-No 1/0	3,556.16	833.10
13 47 13 13-0028 MLF Cathodic Protection Cable, OR2-No 2/0	4,054.30	833.10
13 47 13 13-0029 MLF Cathodic Protection Cable, OR2-No 4/0	5,399.23	908.13

13 47 13 13-0030 Cathodic Test Stations (13 47 13 13)**13 47 13 13-0031 Flush Curb Box Type With Lockable Cover And Terminal Box** (13 47 13 13-0030)

13 47 13 13-0032 EA Cathodic Test Station, Flush Curb Type With Lockable Cover	261.24	88.53
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13 47 13 16 Cathodic Protection for Underground Storage Tanks (13 47 13)

See CSI section 13 47 13 13-0000 for cathodic protection for tanks.

13 48 Sound, Vibration, and Seismic Control (13 40)**13 48 63 Fabricated Seismic Control Assemblies** (13 48)**13 48 63 00-0001 Seismic Bracing Assembly** (13 48 63)

13 48 63 00-0002 EA 4-Bolt Deck Anchor Connection For Seismic Brace	140.06	
Note: Includes drilling into concrete, bolts, anchor plate, seismic bracket attached with bolt, nut and washer.		
13 48 63 00-0003 EA 2 Cable Seismic Brace With Center Threaded Rod Stiffener	123.36	
Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0004 EA 3 Cable Seismic Brace With Center Threaded Rod Stiffener	184.14	
Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0005 EA 4 Cable Seismic Brace With Center Threaded Rod Stiffener	237.91	
Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0006 EA 2 Channel Seismic Brace With Center Threaded Rod Stiffener	243.21	
Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		

13 Special Construction**13 40 Integrated Construction****13 48 Sound, Vibration, and Seismic Control**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 48 63 00-0007 EA 3 Channel Seismic Brace With Center Threaded Rod Stiffener.....	360.40	
Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0008 EA 4 Channel Seismic Brace With Center Threaded Rod Stiffener.....	477.59	
Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0009 EA 2 Rod Seismic Brace With Center Threaded Rod Stiffener.....	154.99	
Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0010 EA 3 Rod Seismic Brace With Center Threaded Rod Stiffener.....	228.07	
Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0011 EA 4 Rod Seismic Brace With Center Threaded Rod Stiffener.....	301.15	
Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0012 Seismic Brace Components (13 48 63)		
13 48 63 00-0013 EA 1/8" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-1	24.63	
Note: To be used with 7x19 stranded cable.		
13 48 63 00-0014 EA 3/16" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-2	33.05	
Note: To be used with 7x19 stranded cable.		
13 48 63 00-0015 EA 1/4" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-3	43.16	
Note: To be used with 7x19 stranded cable.		
13 48 63 00-0016 EA 3/8" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-4	58.30	
Note: To be used with 7x19 stranded cable.		
13 48 63 00-0017 EA Seismic Solid Brace Swivel Anchor; Mason SSB-1	23.26	
Note: To be used with angle or channel.		
13 48 63 00-0018 EA Seismic Solid Brace Swivel Anchor; Mason SSB-2	30.67	
Note: To be used with angle or channel.		
13 48 63 00-0019 EA Seismic Solid Brace Swivel Anchor; Mason SSB-3	39.67	
Note: To be used with angle or channel.		
13 48 63 00-0020 EA Seismic Solid Brace Swivel Anchor; Mason SSB-4	52.90	
Note: To be used with angle or channel.		
13 48 63 00-0021 EA 1/8" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-1	27.76	
Note: To be used with 7x19 stranded cable.		
13 48 63 00-0022 EA 3/16" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-2	35.96	
Note: To be used with 7x19 stranded cable.		
13 48 63 00-0023 EA 1/4" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-3	49.20	
Note: To be used with 7x19 stranded cable.		
13 48 63 00-0024 EA 1/8" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-1	47.08	
Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.		
13 48 63 00-0025 EA 3/16" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-2	65.34	
Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.		
13 48 63 00-0026 EA 1/4" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-3	88.37	
Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.		
13 48 63 00-0027 EA Seismic Rod Clamp; Mason SRC-1	20.30	
Note: To be used on 3/8" through 5/8" rod. 1" x 1" x 1/4" Angle or Stiffener not included.		
13 48 63 00-0028 EA Seismic Rod Clamp; Mason SRC-1 1/2	24.54	
Note: To be used on 3/8" through 1" rod. 1-1/2" x 1-1/2" x 1/4" Angle or Stiffener not included.		
13 48 63 00-0029 EA Seismic Rod Clamp; Mason SRC-2	30.36	
Note: To be used on 3/8" through 1-1/4" rod. 2" x 2" x 1/4" Angle or Stiffener not included.		

END OF SECTION 13



Conveying Equipment		14
Operation and Maintenance of Conveying Equipment		14 01
Operation and Maintenance of Elevators		14 01 20

14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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14 Conveying Equipment

14 01 Operation and Maintenance of Conveying Equipment ⁽¹⁴⁾

14 01 20 Operation and Maintenance of Elevators ^(14 01)

14 01 20 71 Elevator Rehabilitation ^(14 01 20)

14 01 20 71-0001 Elevator Maintenance ^(14 01 20 71)

14 01 20 71-0002	EA	Regular Routine Elevator Inspection, Traction Up to 10 floors (Sufficient for Issue of Certificate/Permit)	312.84	
14 01 20 71-0003	EA	Regular Routine Elevator Inspection, Traction Over 10 floors (Sufficient for Issue of Certificate/Permit)	469.26	
14 01 20 71-0004	EA	Regular Routine Elevator Inspection, Hydraulic (Sufficient for Issue of Certificate/Permit)	312.84	
14 01 20 71-0005	EA	Regular Routine Elevator Inspection, Roped Hydraulic (Sufficient for Issue of Certificate/Permit)	312.84	
14 01 20 71-0006	EA	Regular Routine Elevator Inspection, Dumbwaiter/Cart Lifts (Sufficient for Issue of Certificate/Permit)	312.84	
14 01 20 71-0007	HR	Elevator Servicing - Hydraulic, Labor Only	153.51	
14 01 20 71-0008	HR	Elevator Servicing - Traction, Labor Only	307.02	
14 01 20 71-0009	EA	Annual Category 1 Test for Traction Up to 10 floors	1,116.91	
14 01 20 71-0010	EA	Annual Category 1 Test for Traction Over 10 floors	1,116.91	
14 01 20 71-0011	EA	Annual Category 1 Test for Hydraulic Elevator	1,116.91	
14 01 20 71-0012	EA	Annual Category 1 Test for Roped Hydraulic Elevator	1,116.91	
14 01 20 71-0013	EA	Annual Category 1 Test for Dumbwaiter/Cart Lifts	837.68	
14 01 20 71-0014	EA	Full Load Test for Traction Up to 10 floors	2,233.82	
14 01 20 71-0015	EA	Full Load Test for Traction Over 10 floors	2,233.82	
14 01 20 71-0016	EA	Full Load Test for Hydraulic Elevator	2,233.82	
14 01 20 71-0017	EA	Full Load Test for Roped Hydraulic Elevator	2,233.82	
14 01 20 71-0018	EA	Full Load Test for Dumbwaiter/Cart Lifts	1,675.36	
14 01 20 71-0019	EA	Acceptance Test for Traction Up to 10 floors	1,760.12	
14 01 20 71-0020	EA	Acceptance Test for Traction Over 10 floors	1,760.12	
14 01 20 71-0021	EA	Acceptance Test for Hydraulic Elevator	1,760.12	
14 01 20 71-0022	EA	Acceptance Test for Roped Hydraulic Elevator	1,760.12	
14 01 20 71-0023	EA	Acceptance Test for Dumbwaiter/Cart Lifts	1,760.12	

14 01 20 71-0024 Elevator Modernization ^(14 01 20 71)

14 01 20 71-0025	EA	5" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM)	24,985.91	6,947.39
Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.				
For Union-Guard Cathodic Protection, Add			6,513.90	
Note: Includes Pump.				
For An Additional Stop, Add			7,130.69	
Note: Includes Removal.				
14 01 20 71-0026	EA	6" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM)	28,221.94	8,394.76
Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.				
For Union-Guard Cathodic Protection, Add			6,573.89	
Note: Includes Pump.				
For An Additional Stop, Add			7,513.69	
Note: Includes Removal.				
14 01 20 71-0027	EA	8" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM)	37,322.79	11,578.98
Note: Includes replacing existing piston/cylinder, 12 3/4" Sealed PVC, pit channel and buffers.				
For Union-Guard Cathodic Protection, Add			7,533.73	
Note: Includes Pump.				
For An Additional Stop, Add			9,376.69	
Note: Includes Removal.				
14 01 20 71-0028	EA	Removal And Replacement Of Multi-Port Controller Valve	4,089.74	
14 01 20 71-0029	EA	5 Gallon Container Of Hydraulic Oil For Elevator Modernization	38.09	
14 01 20 71-0030	EA	55 Gallon Container Of Hydraulic Oil For Elevator Modernization	377.64	
14 01 20 71-0031	SET	Car Roller Guide Assembly, Set Of Four	2,977.44	578.95
Note: Includes cover plate.				
14 01 20 71-0032	SET	CWT Roller Guide Assembly, Set Of Four	2,588.71	578.95
Note: Includes cover plate.				
14 01 20 71-0033	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Baked Enamel Finish	5,984.96	
Note: Excludes buildback.				
14 01 20 71-0034	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Satin Stainless Finish	6,464.88	
Note: Excludes buildback.				
14 01 20 71-0035	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Baked Enamel Finish	6,293.31	
Note: Excludes buildback.				
14 01 20 71-0036	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Satin Stainless Finish	6,773.23	
Note: Excludes buildback.				
14 01 20 71-0037	SF	Cab Flooring, Epoxy Aggregate	67.63	16.54
Note: SF cost not applicable for partial cab flooring.				
14 01 20 71-0038	SF	Cab Flooring, Aluminum Diamond Plate	59.11	16.54
Note: SF cost not applicable for partial cab flooring.				
14 01 20 71-0039	EA	Solid State Starting (Soft Start)	4,736.35	578.95
14 01 20 71-0040	EA	Pump Unit (Tank, Valve, Oil, Motor And Victaulic Fittings)	17,082.83	2,894.74
14 01 20 71-0041	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Side Slide (GAL)	1,890.42	578.95
14 01 20 71-0042	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Side Slide (GAL)	380.65	289.47
14 01 20 71-0043	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Side Slide (GAL)	343.46	289.47
14 01 20 71-0044	EA	Hoistway Door Interlock Set, Single Speed Side Slide (GAL)	462.24	289.47
14 01 20 71-0045	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Center Opening (GAL)	2,078.79	578.95
14 01 20 71-0046	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Center Opening (GAL)	471.84	289.47
14 01 20 71-0047	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Center Opening (GAL)	343.46	289.47

14 Conveying Equipment**14 01 Operation and Maintenance of Conveying Equipment****14 01 20 Operation and Maintenance of Elevators**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT
UNIT COST
DEMOLITION
UNIT COST

14 01 20 71-0048	EA	Hoistway Door Interlock Set, Single Speed Center Opening (GAL).....	547.43	289.47
14 01 20 71-0049	EA	Fire Service Key Switch Controller.....	2,828.67	578.95
14 01 20 71-0050	EA	ADA Telephone (Rath Microtech).....	1,354.34	289.47
14 01 20 71-0051	EA	Car Door Operator With ADA Buzzer, Single Speed Side Slide (GAL).....	6,317.22	1,157.90
14 01 20 71-0052	EA	Car Door Operator With ADA Buzzer, Single Speed Center Opening (GAL).....	6,473.19	1,157.90
14 01 20 71-0053	EA	Car Door Safety Edge (Infrared Proximity Type Edge).....	1,403.53	289.47
14 01 20 71-0054	EA	Car Operating Panel (ADA, Fire, Position, Chime).....	6,353.21	1,157.90
14 01 20 71-0055	EA	Car Position LED Indicator And Cover Plate, Stainless Steel.....	1,768.27	289.47
14 01 20 71-0056	EA	Car Traveling Lanterns With Audible Signal.....	1,228.36	289.47
14 01 20 71-0057	EA	Hoistway Door Jamb Floor Tags (Braille).....	187.93	144.74
14 01 20 71-0058	EA	Lobby Vandal Resistant Call Station.....	1,168.37	289.47
14 01 20 71-0059	LF	Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial).....	13.87	
		Note: Excludes Removal and Replacement of Material. See CSI section 14 01 20 71-0060 for Removal and Replacement of Traveling Cable.		
14 01 20 71-0060	EA	Removal And Replacement Of Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial).....	4,631.59	2,315.80
		Note: Excludes Traveling Cable material. See CSI section 14 01 20 71-0059 for Traveling Cable material.		
14 01 20 71-0061	LF	Governor Cable.....	1.08	
		Note: Removal and Replacement of Governor Cable is part of Traveling Cable Removal and Replacement.		
14 01 20 71-0062	EA	Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Plastic Laminate - Hang On Panels).....	4,136.45	578.95
14 01 20 71-0063	EA	Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Rigid Stainless Steel - Hang On Panels).....	6,296.09	578.95
14 01 20 71-0064	EA	Removal And Replacement Of Governor.....	3,920.49	578.95
14 01 20 71-0065	EA	Removal And Replacement Of Car Station.....	6,353.21	1,157.90
14 01 20 71-0066	EA	Removal And Replacement Of Telephone.....	1,354.34	289.47
14 01 20 71-0067	EA	Removal And Replacement Of Lanterns (Hall).....	1,288.35	289.47
14 01 20 71-0068	EA	Hall Call Buttons, Vandal Resistant.....	1,108.38	289.47
14 01 20 71-0069	EA	Hall Traveling Lanterns With Audible Signal.....	1,288.35	289.47
14 01 20 71-0070	EA	Add Raised Character (Braille) Signage To Control Panel.....	158.78	144.74
14 01 20 71-0071	EA	New Microprocessor Based Controller (Non-Proprietary).....	29,743.59	4,631.59
14 01 20 71-0072	EA	New Steel Shell And Canopy (Plastic Panels Not Included), For 5' x 7' Cab.....	18,945.39	4,631.59
14 01 20 71-0073	EA	New Steel Shell, Canopy And Platform (Plastic Laminate Not Included), For 5' x 7' Cab.....	29,575.98	4,631.59
14 01 20 71-0074	EA	Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Baked Enamel.....	2,456.73	
14 01 20 71-0075	EA	Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Baked Enamel.....	2,576.71	
14 01 20 71-0076	EA	Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Stainless Steel.....	2,708.69	
14 01 20 71-0077	EA	Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Stainless Steel.....	2,852.66	
14 01 20 71-0078	EA	Elevator Pit Ladder, Steel.....	1,468.32	289.47
		Note: Labor cost is for bolting to concrete pit wall.		
14 01 20 71-0079	EA	New Steel Shell, Canopy, Platform, Standard Cab Plastic Laminate, For 5' x 7' Cab.....	36,690.97	4,631.59
14 01 20 71-0080	LF	Removal And Replacement Of Hoisting Cable, 3/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 4.5, EHS Traction Steel - 5.5.....	116.87	
		Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.		
14 01 20 71-0081	LF	Removal And Replacement Of Hoisting Cable, 1/2" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 6.0, EHS Traction Steel - 9.7.....	117.29	
		Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.		
14 01 20 71-0082	LF	Removal And Replacement Of Hoisting Cable, 5/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 12.7, EHS Traction Steel - 15.4.....	117.67	
		Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.		
14 01 20 71-0083	EA	Hydraulic Leak Detector And Alarm in Elevator Pit (Stancor Oil Minder - 0.5 HP).....	6,569.64	578.95
14 01 20 71-0084	EA	6" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening).....	2,816.67	578.95
		Note: Cladding typically done by metal company.		
14 01 20 71-0085	EA	8" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening).....	2,876.66	578.95
		Note: Cladding typically done by metal company.		
14 01 20 71-0086	EA	10" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening).....	2,936.65	578.95
		Note: Cladding typically done by metal company.		
14 01 20 71-0087	EA	12" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening).....	3,008.64	578.95
		Note: Cladding typically done by metal company.		
14 01 20 71-0088	EA	"Rope Gripper" With Pumping Unit For Use On 4-7/8" Maximum Out to Out Of Cable.....	5,936.15	578.95
14 01 20 71-0089	EA	"Rope Gripper" With Pumping Unit For Use On 6" Maximum Out to Out Of Cable.....	5,936.15	578.95
14 01 20 71-0090	EA	"Rope Gripper" With Pumping Unit For Use On 10" Maximum Out to Out Of Cable.....	8,335.75	578.95
14 01 20 71-0091	EA	"Rope Gripper" With Pumping Unit For Use On 11-1/2" Maximum Out to Out Of Cable.....	9,535.55	578.95
14 01 20 71-0092	EA	60 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock.....	3,127.90	146.28
14 01 20 71-0093	EA	100 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock.....	3,285.66	175.54
14 01 20 71-0094	EA	200 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock.....	4,375.25	204.79
14 01 20 71-0095	EA	Aluminum Handrail Spacers With Set Screw.....	169.66	144.74
14 01 20 71-0096	EA	Bronze Handrail Spacers With Set Screw.....	172.98	144.74
14 01 20 71-0097	LF	1/2" x 2" Round Stainless Steel Elevator Handrail.....	111.91	34.06
14 01 20 71-0098	LF	3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish.....	108.00	34.06
14 01 20 71-0099	LF	3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish.....	126.29	34.06
14 01 20 71-0100	LF	3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish.....	138.67	34.06
14 01 20 71-0101	LF	3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish.....	157.10	34.06
14 01 20 71-0102	LF	3/8" x 2" Flat Bar Bronze Steel Elevator Handrail, Brushed Finish.....	128.59	34.06
14 01 20 71-0103	LF	3/8" x 3" Flat Bar Bronze Steel Elevator Handrail, Brushed Finish.....	144.86	34.06
14 01 20 71-0104	LF	3/8" x 2" Flat Bar Bronze Steel Elevator Handrail, Mirror Finish.....	219.51	34.06
14 01 20 71-0105	LF	3/8" x 3" Flat Bar Bronze Steel Elevator Handrail, Mirror Finish.....	245.33	34.06
14 01 20 71-0106	LF	3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish.....	107.38	34.06
14 01 20 71-0107	LF	3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish.....	108.37	34.06
14 01 20 71-0108	LF	3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish.....	135.40	34.06
14 01 20 71-0109	LF	3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish.....	127.44	34.06
14 01 20 71-0110	LF	3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish.....	135.93	34.06
14 01 20 71-0111	LF	3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish.....	167.62	34.06
14 01 20 71-0112	LF	3/8" x 1-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish.....	131.47	34.06



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0113 LF 3/8" x 2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish	134.20	34.06
14 01 20 71-0114 LF 3/8" x 2-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish	217.57	34.06
14 01 20 71-0115 LF 3/8" x 1-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Mirror Finish	146.44	34.06
14 01 20 71-0116 LF 3/8" x 2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	218.10	34.06
14 01 20 71-0117 LF 3/8" x 2-1/2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	245.33	34.06

14 01 30 Operation and Maintenance of Escalators and Moving Walks ⁽¹⁴⁾

14 01 30 71 Escalators and Moving Walks Rehabilitation ^(14 01 30)

14 01 30 71-0001 Maintenance ^(14 01 30 71)

14 01 30 71-0002 EA Regular Escalator Inspection (Sufficient For Issue Of Certificate/Permit)	652.69
14 01 30 71-0003 HR Escalator Servicing, Labor Only	153.51
14 01 30 71-0004 EA Acceptance Test Of Escalators And Moving Walks	3,589.81

14 01 30 71-0005 Modernization ^(14 01 30 71)

14 01 30 71-0006 EA Removal And Replacement Of 28" Wide Escalator Stair Tread	1,671.55
14 01 30 71-0007 EA Removal And Replacement Of 36" Wide Escalator Stair Tread	1,792.38
14 01 30 71-0008 EA Removal And Replacement Of 48" Wide Escalator Stair Tread	1,881.49
14 01 30 71-0009 EA Removal And Replacement Of 54" Wide Escalator Stair Tread	2,029.89
14 01 30 71-0010 LF Removal And Replacement Of Sliding Handrail	156.48

14 20 Elevators ⁽¹⁴⁾

Note: Excludes final electrical work or shaft walls.

14 21 Electric Traction Elevators ^(14 20)

14 21 13 Electric Traction Freight Elevators ^(14 21)

14 21 13 00-0001 Electric Traction Freight Elevators ^(14 21 13)

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings with power doors.

14 21 13 00-0002 EA Electric Traction Freight Elevator, 4,000 LB x 200 FPM	361,784.32
For Each Opening With Bondenized Steel Door, Add	200.00
For Each Opening With Stainless Steel Doors, Add	500.00
For Each Opening With Two Speed Doors, Add	500.00
For Custom Plastic Laminated Cab Interiors, Add	4,000.00
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00
For Stainless Steel Cab Interior, Add	8,000.00
For Elevator With Manual Door, Deduct	-10,000.00
For Class "C-1" Loading, Add	1,666.00
For Class "C-2" Loading, Add	2,000.00
For Class "C-3" Loading, Add	2,736.00
For Removal Of Existing Stop, Add	7,213.08
For Each Additional Stop, Add	32,032.70
For Each Floor < 6 Stops, Deduct	-27,524.49
For Each Additional 50 FPM, Add	6,000.00
For Removal Of Existing Elevator, Add	36,065.41
14 21 13 00-0003 EA Electric Traction Freight Elevator, 5,000 LB x 200 FPM	386,681.37
For Each Opening With Bonderized Steel Door, Add	200.00
For Each Opening With Stainless Steel Doors, Add	500.00
For Each Opening With Two Speed Doors, Add	500.00
For Custom Plastic Laminated Cab Interiors, Add	4,000.00
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00
For Stainless Steel Cab Interior, Add	8,000.00
For Elevator With Manual Door, Deduct	-10,000.00
For Class "C-1" Loading, Add	1,666.00
For Class "C-2" Loading, Add	2,000.00
For Class "C-3" Loading, Add	2,736.00
For Removal Of Existing Stop, Add	7,213.08
For Each Additional Stop, Add	32,032.70
For Each Floor < 6 Stops, Deduct	-27,524.49
For Each Additional 50 FPM, Add	6,000.00
For Removal Of Existing Elevator, Add	36,065.41
14 21 13 00-0004 EA Electric Traction Freight Elevator, 6,000 LB x 200 FPM	411,578.42
For Elevator With Manual Door, Deduct	-10,000.00
For Class "C-1" Loading, Add	3,332.00
For Class "C-2" Loading, Add	4,000.00
For Class "C-3" Loading, Add	5,544.00
For Custom Plastic Laminated Cab Interiors, Add	5,000.00
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	7,000.00
For Stainless Steel Cab Interior, Add	9,000.00
For Removal Of Existing Stop, Add	7,213.08
For Each Additional Stop, Add	33,032.70
For Each Additional 50 FPM, Add	6,000.00
For Each Opening With Bonderized Steel Door, Add	300.00
For Each Opening With Stainless Steel Doors, Add	600.00
For Each Opening With Two Speed Doors, Add	700.00
For Removal Of Existing Elevator, Add	36,065.41
For Each Floor < 6 Stops, Deduct	-28,524.49

14 Conveying Equipment**14 20 Elevators****14 21 Electric Traction Elevators**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

14 21 13 00-0005	EA	Electric Traction Freight Elevator, 7,000 LB x 200 FPM.....	424,617.45	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Class "C-1" Loading, Add	3,332.00	
		For Class "C-2" Loading, Add	4,000.00	
		For Class "C-3" Loading, Add	5,544.00	
		For Custom Plastic Laminated Cab Interiors, Add	5,000.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	7,000.00	
		For Stainless Steel Cab Interior, Add	9,000.00	
		For Removal Of Existing Stop, Add	7,213.08	
		For Each Additional Stop, Add	33,032.70	
		For Each Additional 50 FPM, Add	6,000.00	
		For Each Opening With Bonderized Steel Door, Add	300.00	
		For Each Opening With Stainless Steel Doors, Add	600.00	
		For Each Opening With Two Speed Doors, Add	700.00	
		For Removal Of Existing Elevator, Add	36,065.41	
		For Each Floor < 6 Stops, Deduct	-28,524.49	
14 21 13 00-0006	EA	Electric Traction Freight Elevator, 8,000 LB x 200 FPM.....	437,655.92	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Each Additional 50 FPM, Add	10,000.00	
		For Class "C-1" Loading, Add	6,666.00	
		For Class "C-2" Loading, Add	8,000.00	
		For Class "C-3" Loading, Add	10,944.00	
		For Removal Of Existing Stop, Add	7,213.08	
		For Each Additional Stop, Add	33,032.70	
		For Each Opening With Bonderized Steel Door, Add	400.00	
		For Each Opening With Stainless Steel Doors, Add	700.00	
		For Each Opening With Two Speed Doors, Add	800.00	
		For Custom Plastic Laminated Cab Interiors, Add	6,000.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,000.00	
		For Stainless Steel Cab Interior, Add	10,000.00	
		For Removal Of Existing Elevator, Add	36,065.41	
		For Each Floor < 6 Stops, Deduct	-28,524.49	
14 21 13 00-0007	EA	Electric Traction Freight Elevator, 10,000 LB x 200 FPM.....	453,082.43	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Each Additional 50 FPM, Add	10,000.00	
		For Class "C-1" Loading, Add	6,666.00	
		For Class "C-2" Loading, Add	8,000.00	
		For Class "C-3" Loading, Add	10,944.00	
		For Removal Of Existing Stop, Add	7,213.08	
		For Each Additional Stop, Add	33,032.70	
		For Each Opening With Bonderized Steel Door, Add	400.00	
		For Each Opening With Stainless Steel Doors, Add	700.00	
		For Each Opening With Two Speed Doors, Add	800.00	
		For Custom Plastic Laminated Cab Interiors, Add	6,000.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,000.00	
		For Stainless Steel Cab Interior, Add	10,000.00	
		For Removal Of Existing Elevator, Add	36,065.41	
		For Each Floor < 6 Stops, Deduct	-28,524.49	
14 21 13 00-0008	EA	Electric Traction Freight Elevator, 12,000 LB x 200 FPM.....	465,628.93	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Each Additional 50 FPM, Add	10,000.00	
		For Class "C-1" Loading, Add	6,666.00	
		For Class "C-2" Loading, Add	8,000.00	
		For Class "C-3" Loading, Add	10,944.00	
		For Removal Of Existing Stop, Add	7,213.08	
		For Each Additional Stop, Add	33,032.70	
		For Each Opening With Bonderized Steel Door, Add	400.00	
		For Each Opening With Stainless Steel Doors, Add	700.00	
		For Each Opening With Two Speed Doors, Add	800.00	
		For Custom Plastic Laminated Cab Interiors, Add	6,000.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,000.00	
		For Stainless Steel Cab Interior, Add	10,000.00	
		For Removal Of Existing Elevator, Add	36,065.41	
		For Each Floor < 6 Stops, Deduct	-28,524.49	

14 21 23 Electric Traction Passenger Elevators (14 21)**14 21 23 13 Machine Room Electric Traction Passenger Elevators (14 21 23)****14 21 23 13-0001 Electric Traction Passenger Elevators (14 21 23 13)**

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings.

14 21 23 13-0002	EA	Electric Traction Passenger Elevator, 2,000 LB x 200 FPM.....	285,049.32	
		For Each Opening With Bonderized Steel Door, Add	200.00	
		For Each Opening With Stainless Steel Doors, Add	500.00	
		For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
		For Stainless Steel Cab Interior, Add	8,000.00	
		For Each Additional 50 FPM, Add	1,000.00	
		For Removal Of Existing Stop, Add	3,606.54	
		For Each Additional Stop, Add	32,032.70	
		For Each Floor < 6 Stops, Deduct	-19,016.35	
		For Removal Of Existing Elevator, Add	27,049.07	



Conveying Equipment		14
Elevators		14 20
Electric Traction Elevators		14 21

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21 23 13-0003 EA Electric Traction Passenger Elevator, 2,500 LB x 200 FPM.....	292,492.43	
For Each Opening With Bonderized Steel Door, Add	200.00	
For Each Opening With Stainless Steel Doors, Add	500.00	
For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
For Stainless Steel Cab Interior, Add	8,000.00	
For Each Additional 50 FPM, Add	1,000.00	
For Removal Of Existing Stop, Add	3,606.54	
For Each Additional Stop, Add	32,032.70	
For Each Floor < 6 Stops, Deduct	-19,016.35	
For Removal Of Existing Elevator, Add	27,049.07	
14 21 23 13-0004 EA Electric Traction Passenger Elevator, 3,000 LB x 200 FPM.....	298,775.15	
For Each Opening With Bonderized Steel Door, Add	200.00	
For Each Opening With Stainless Steel Doors, Add	500.00	
For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
For Stainless Steel Cab Interior, Add	8,000.00	
For Each Additional 50 FPM, Add	1,000.00	
For Removal Of Existing Stop, Add	3,606.54	
For Each Additional Stop, Add	32,032.70	
For Each Floor < 6 Stops, Deduct	-19,016.35	
For Removal Of Existing Elevator, Add	27,049.07	
14 21 23 13-0005 EA Electric Traction Passenger Elevator, 3,500 LB x 200 FPM.....	300,500.46	
For Each Opening With Bonderized Steel Door, Add	200.00	
For Each Opening With Stainless Steel Doors, Add	500.00	
For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
For Stainless Steel Cab Interior, Add	8,000.00	
For Each Additional 50 FPM, Add	1,000.00	
For Removal Of Existing Stop, Add	3,606.54	
For Each Additional Stop, Add	32,032.70	
For Each Floor < 6 Stops, Deduct	-19,016.35	
For Removal Of Existing Elevator, Add	27,049.07	
14 21 23 13-0006 EA Electric Traction Passenger Elevator, 4,000 LB x 200 FPM.....	306,299.72	
For Each Opening With Bonderized Steel Door, Add	200.00	
For Each Opening With Stainless Steel Doors, Add	500.00	
For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
For Stainless Steel Cab Interior, Add	8,000.00	
For Each Additional 50 FPM, Add	1,000.00	
For Removal Of Existing Stop, Add	3,606.54	
For Each Additional Stop, Add	32,032.70	
For Each Floor < 6 Stops, Deduct	-19,016.35	
For Removal Of Existing Elevator, Add	27,049.07	
14 21 23 13-0007 EA Electric Traction Passenger Elevator, 4,500 LB x 200 FPM.....	311,762.03	
For Each Opening With Bonderized Steel Door, Add	200.00	
For Each Opening With Stainless Steel Doors, Add	500.00	
For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
For Stainless Steel Cab Interior, Add	8,000.00	
For Each Additional 50 FPM, Add	1,000.00	
For Removal Of Existing Stop, Add	3,606.54	
For Each Additional Stop, Add	32,032.70	
For Each Floor < 6 Stops, Deduct	-19,016.35	
For Removal Of Existing Elevator, Add	27,049.07	
14 21 23 13-0008 EA Electric Traction Passenger Elevator, 5,000 LB x 200 FPM.....	317,405.37	
For Each Opening With Bonderized Steel Door, Add	200.00	
For Each Opening With Stainless Steel Doors, Add	500.00	
For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
For Stainless Steel Cab Interior, Add	8,000.00	
For Each Additional 50 FPM, Add	1,000.00	
For Removal Of Existing Stop, Add	3,606.54	
For Each Additional Stop, Add	32,032.70	
For Each Floor < 6 Stops, Deduct	-19,016.35	
For Removal Of Existing Elevator, Add	27,049.07	

14 24 Hydraulic Elevators (14 20)

Note: Prices are for a complete operating elevator including all standard controls, hydraulic motor and devices based on unit with cab sized 5' by 8' with galvanized primed shaft door with cab allowances as listed below.

14 24 13 Hydraulic Freight Elevators (14 24)

14 24 13 00-0001 Hydraulic Freight Elevators (14 24 13)

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings with power doors.

14 Conveying Equipment**14 20 Elevators****14 24 Hydraulic Elevators**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0002	EA		Hydraulic Freight Elevator, 3,000 LB x 50 FPM	170,991.32	
			For Each Additional Stop, Add	19,409.81	
			For 2 Stops, Deduct	-15,155.72	
			Note: Would be holeless hydraulic at 2 stops.		
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Each Opening With Two Speed Doors, Add	500.00	
			For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
			For Stainless Steel Cab Interior, Add	8,000.00	
			For Each Additional 50 FPM, Add	2,000.00	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Class "C-1" Loading, Add	1,666.00	
			For Class "C-2" Loading, Add	2,000.00	
			For Class "C-3" Loading, Add	2,736.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	7,213.08	
14 24 13 00-0003	EA		Hydraulic Freight Elevator, 3,500 LB x 50 FPM	176,498.24	
			For Each Additional Stop, Add	19,409.81	
			For 2 Stops, Deduct	-15,155.72	
			Note: Would be holeless hydraulic at 2 stops.		
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Each Opening With Two Speed Doors, Add	500.00	
			For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
			For Stainless Steel Cab Interior, Add	8,000.00	
			For Each Additional 50 FPM, Add	2,000.00	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Class "C-1" Loading, Add	1,666.00	
			For Class "C-2" Loading, Add	2,000.00	
			For Class "C-3" Loading, Add	2,736.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	7,213.08	
14 24 13 00-0004	EA		Hydraulic Freight Elevator, 4,000 LB x 50 FPM	182,476.22	
			For Each Additional Stop, Add	19,409.81	
			For 2 Stops, Deduct	-15,155.72	
			Note: Would be holeless hydraulic at 2 stops.		
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Each Opening With Two Speed Doors, Add	500.00	
			For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
			For Stainless Steel Cab Interior, Add	8,000.00	
			For Each Additional 50 FPM, Add	2,000.00	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Class "C-1" Loading, Add	1,666.00	
			For Class "C-2" Loading, Add	2,000.00	
			For Class "C-3" Loading, Add	2,736.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	7,213.08	
14 24 13 00-0005	EA		Hydraulic Freight Elevator, 5,000 LB x 50 FPM	186,934.62	
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Each Opening With Two Speed Doors, Add	500.00	
			For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
			For Stainless Steel Cab Interior, Add	8,000.00	
			For Each Additional 50 FPM, Add	2,000.00	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Each Additional Stop, Add	20,409.81	
			For 2 Stops, Deduct	-16,155.72	
			Note: Would be holeless hydraulic at 2 stops.		
			For Class "C-1" Loading, Add	3,332.00	
			For Class "C-2" Loading, Add	4,000.00	
			For Class "C-3" Loading, Add	5,544.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	7,213.08	



Conveying Equipment		14
Elevators		14 20
Hydraulic Elevators		14 24

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0006	EA	Hydraulic Freight Elevator, 6,000 LB x 50 FPM	197,654.69	
		For Each Opening With Bonderized Steel Door, Add	200.00	
		For Each Opening With Stainless Steel Doors, Add	500.00	
		For Each Opening With Two Speed Doors, Add	500.00	
		For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
		For Stainless Steel Cab Interior, Add	8,000.00	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Each Additional Stop, Add	20,409.81	
		For 2 Stops, Deduct	-16,155.72	
		Note: Would be holeless hydraulic at 2 stops.		
		For Each Additional 50 FPM, Add	10,000.00	
		For Class "C-1" Loading, Add	6,666.00	
		For Class "C-2" Loading, Add	8,000.00	
		For Class "C-3" Loading, Add	10,944.00	
		For Well Hole Drilling (12" Diameter Hole), Add	170.00	
		Note: Includes Labor and Equipment.		
		For 12" Steel Liner, Add	90.00	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	7,213.08	
14 24 13 00-0007	EA	Hydraulic Freight Elevator, 7,000 LB x 50 FPM	202,791.76	
		For Each Opening With Bonderized Steel Door, Add	200.00	
		For Each Opening With Stainless Steel Doors, Add	500.00	
		For Each Opening With Two Speed Doors, Add	500.00	
		For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
		For Stainless Steel Cab Interior, Add	8,000.00	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Each Additional Stop, Add	20,409.81	
		For 2 Stops, Deduct	-16,155.72	
		Note: Would be holeless hydraulic at 2 stops.		
		For Each Additional 50 FPM, Add	10,000.00	
		For Class "C-1" Loading, Add	6,666.00	
		For Class "C-2" Loading, Add	8,000.00	
		For Class "C-3" Loading, Add	10,944.00	
		For Well Hole Drilling (12" Diameter Hole), Add	170.00	
		Note: Includes Labor and Equipment.		
		For 12" Steel Liner, Add	90.00	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	7,213.08	
14 24 13 00-0008	EA	Hydraulic Freight Elevator, 8,000 LB x 50 FPM	210,603.96	
		For Each Opening With Bonderized Steel Door, Add	200.00	
		For Each Opening With Stainless Steel Doors, Add	500.00	
		For Each Opening With Two Speed Doors, Add	500.00	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Each Additional Stop, Add	20,409.81	
		For 2 Stops, Deduct	-16,155.72	
		Note: Would be holeless hydraulic at 2 stops.		
		For Custom Plastic Laminated Cab Interiors, Add	5,000.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	7,000.00	
		For Stainless Steel Cab Interior, Add	9,000.00	
		For Each Additional 50 FPM, Add	11,000.00	
		For Class "C-1" Loading, Add	8,330.00	
		For Class "C-2" Loading, Add	10,000.00	
		For Class "C-3" Loading, Add	13,680.00	
		For Well Hole Drilling (12" Diameter Hole), Add	170.00	
		Note: Includes Labor and Equipment.		
		For 12" Steel Liner, Add	90.00	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	7,213.08	
14 24 13 00-0009	EA	Hydraulic Freight Elevator, 10,000 LB x 50 FPM	216,174.92	
		For Each Opening With Bonderized Steel Door, Add	200.00	
		For Each Opening With Stainless Steel Doors, Add	500.00	
		For Each Opening With Two Speed Doors, Add	500.00	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Each Additional Stop, Add	20,409.81	
		For 2 Stops, Deduct	-16,155.72	
		Note: Would be holeless hydraulic at 2 stops.		
		For Custom Plastic Laminated Cab Interiors, Add	5,000.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	7,000.00	
		For Stainless Steel Cab Interior, Add	9,000.00	
		For Well Hole Drilling (12" Diameter Hole), Add	170.00	
		Note: Includes Labor and Equipment.		
		For 12" Steel Liner, Add	90.00	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	7,213.08	
		For Each Additional 50 FPM, Add	12,000.00	
		For Class "C-1" Loading, Add	11,079.00	
		For Class "C-2" Loading, Add	13,300.00	
		For Class "C-3" Loading, Add	18,194.00	

14 Conveying Equipment**14 20 Elevators****14 24 Hydraulic Elevators**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0010	EA	Hydraulic Freight Elevator, 12,000 LB x 50 FPM	225,836.66	
		For Each Opening With Bonderized Steel Door, Add	200.00	
		For Each Opening With Stainless Steel Doors, Add	500.00	
		For Each Opening With Two Speed Doors, Add	500.00	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Each Additional Stop, Add	20,409.81	
		For 2 Stops, Deduct	-16,155.72	
		Note: Would be holeless hydraulic at 2 stops.		
		For Custom Plastic Laminated Cab Interiors, Add	5,000.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	7,000.00	
		For Stainless Steel Cab Interior, Add	9,000.00	
		For Well Hole Drilling (12" Diameter Hole), Add	170.00	
		Note: Includes Labor and Equipment.		
		For 12" Steel Liner, Add	90.00	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	7,213.08	
		For Each Additional 50 FPM, Add	12,000.00	
		For Class "C-1" Loading, Add	11,079.00	
		For Class "C-2" Loading, Add	13,300.00	
		For Class "C-3" Loading, Add	18,194.00	
14 24 13 00-0011		Hydraulic Elevators Piston Drilling ^(14 24 13)		
14 24 13 00-0012	VLF	Up To 6" Diameter Piston Drilling.....	73.93	
		Note: Includes casing.		
14 24 13 00-0013	VLF	8" To 10" Diameter Piston Drilling.....	87.89	
		Note: Includes casing.		
14 24 23		Hydraulic Passenger Elevators ^(14 24)		
14 24 23 00-0001		Hydraulic Passenger Elevators ^(14 24 23)		
		Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings.		
14 24 23 00-0002	EA	Hydraulic Passenger Elevator, 2,100 LB x 100 FPM	120,775.01	
		For Each Additional Stop, Add	19,409.81	
		For Each Opening With Bonderized Steel Door, Add	200.00	
		For Each Opening With Stainless Steel Doors, Add	500.00	
		For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
		For Stainless Steel Cab Interior, Add	8,000.00	
		For Well Hole Drilling (12" Diameter Hole), Add	170.00	
		Note: Includes Labor and Equipment.		
		For 12" Steel Liner, Add	90.00	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	1,000.00	
		For Removal Of Existing Elevator, Add	18,032.70	
		For Removal Of Existing Stop, Add	3,606.54	
		For 2 Stops, Deduct	-10,000.00	
		Note: Would be holeless hydraulic at 2 stops.		
14 24 23 00-0003	EA	Hydraulic Passenger Elevator, 2,500 LB x 100 FPM	123,004.21	
		For Each Additional Stop, Add	19,409.81	
		For Each Opening With Bonderized Steel Door, Add	200.00	
		For Each Opening With Stainless Steel Doors, Add	500.00	
		For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
		For Stainless Steel Cab Interior, Add	8,000.00	
		For Well Hole Drilling (12" Diameter Hole), Add	170.00	
		Note: Includes Labor and Equipment.		
		For 12" Steel Liner, Add	90.00	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	1,000.00	
		For Removal Of Existing Elevator, Add	18,032.70	
		For Removal Of Existing Stop, Add	3,606.54	
		For 2 Stops, Deduct	-10,000.00	
		Note: Would be holeless hydraulic at 2 stops.		
14 24 23 00-0004	EA	Hydraulic Passenger Elevator, 3,000 LB x 100 FPM	124,536.79	
		For Each Additional Stop, Add	19,409.81	
		For Each Opening With Bonderized Steel Door, Add	200.00	
		For Each Opening With Stainless Steel Doors, Add	500.00	
		For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
		For Stainless Steel Cab Interior, Add	8,000.00	
		For Well Hole Drilling (12" Diameter Hole), Add	170.00	
		Note: Includes Labor and Equipment.		
		For 12" Steel Liner, Add	90.00	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	1,000.00	
		For Removal Of Existing Elevator, Add	18,032.70	
		For Removal Of Existing Stop, Add	3,606.54	
		For 2 Stops, Deduct	-10,000.00	
		Note: Would be holeless hydraulic at 2 stops.		



Conveying Equipment			14
Elevators			14 20
Hydraulic Elevators			14 24

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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14 24 23 00-0005	EA		Hydraulic Passenger Elevator, 3,500 LB x 100 FPM	130,380.48	
			For Each Additional Stop, Add	19,409.81	
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
			For Stainless Steel Cab Interior, Add	8,000.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Each Additional 50 FPM, Add	1,000.00	
			For Removal Of Existing Elevator, Add	18,032.70	
			For Removal Of Existing Stop, Add	3,606.54	
			For 2 Stops, Deduct	-10,000.00	
			Note: Would be holeless hydraulic at 2 stops.		
14 24 23 00-0006	EA		Hydraulic Passenger Elevator, 4,000 LB x 100 FPM	132,784.35	
			For Each Additional Stop, Add	19,409.81	
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
			For Stainless Steel Cab Interior, Add	8,000.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Each Additional 50 FPM, Add	1,000.00	
			For Removal Of Existing Elevator, Add	18,032.70	
			For Removal Of Existing Stop, Add	3,606.54	
			For 2 Stops, Deduct	-10,000.00	
			Note: Would be holeless hydraulic at 2 stops.		
14 24 23 00-0007	EA		Hydraulic Passenger Elevator, 4,500 LB x 100 FPM	136,044.56	
			For Each Additional Stop, Add	19,409.81	
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
			For Stainless Steel Cab Interior, Add	8,000.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Each Additional 50 FPM, Add	1,000.00	
			For Removal Of Existing Elevator, Add	18,032.70	
			For Removal Of Existing Stop, Add	3,606.54	
			For 2 Stops, Deduct	-10,000.00	
			Note: Would be holeless hydraulic at 2 stops.		
14 24 23 00-0008	EA		Hydraulic Passenger Elevator, 5,000 LB x 100 FPM	139,322.17	
			For Each Additional Stop, Add	19,409.81	
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Each Opening With Two Speed Doors, Add	500.00	
			For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
			For Stainless Steel Cab Interior, Add	8,000.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Each Additional 50 FPM, Add	1,000.00	
			For Removal Of Existing Elevator, Add	18,032.70	
			For Removal Of Existing Stop, Add	3,606.54	
			For 2 Stops, Deduct	-10,000.00	
			Note: Would be holeless hydraulic at 2 stops.		
14 24 23 00-0009			Twin Jack Holeless Hydraulic Passenger Elevator ^(14 24 23)		
			Note: Baked enamel shaft doors and plastic laminated trimmed cab. Excludes flooring, shaft construction/alterations, pit or mechanical room construction. Connect to established utilities.		
14 24 23 00-0010	EA		Hydraulic Passenger Elevator, 2,000 LB, 80 FPM, 3 Stops, 3 Openings.....	68,385.50	8,583.50
14 24 23 00-0011	EA		Hydraulic Passenger Elevator, 2,000 LB, 80 FPM, 2 Stops, 2 Openings.....	51,914.32	7,333.71

14 26 Limited-Use/Limited-Application Elevators ^(14 20)

14 26 00 00-0001 Small Elevators (LULA) ^(14 26)

14 26 00 00-0002	EA		Small Elevators (LULA), 1,400 LB x 30 FPM	64,083.06	
			Note: 3 phase, automatic operation, includes cab interior, telephone box and telephone. 2 stops and 12 feet of rise.		
			For Each Additional Stop, Add	16,409.81	
			For Removal Of Existing Elevator, Add	5,409.81	

14 30 Escalators and Moving Walks ⁽¹⁴⁾

14 Conveying Equipment
14 30 Escalators and Moving Walks
14 31 Escalators



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

14 31 Escalators ^(14 30)

14 31 00 00-0001

Stainless Steel Escalator Construction ^(14 31)

Note: Prices are medians and are based on each moving stairway. Complete, includes all standard accessories and single microprocessor controlled electronic display sign packages, LED.

14 31 00 00-0002	EA	Escalators Stainless Steel, 32" Wide x 12' Floor To Floor Height	133,134.89	11,204.27
14 31 00 00-0003	EA	Escalators Stainless Steel, 32" Wide x 15' Floor To Floor Height	147,431.00	13,241.41
14 31 00 00-0004	EA	Escalators Stainless Steel, 32" Wide x 18' Floor To Floor Height	160,546.65	15,278.56
14 31 00 00-0005	EA	Escalators Stainless Steel, 32" Wide x 22' Floor To Floor Height	177,428.67	18,334.27
14 31 00 00-0006	EA	Escalators Stainless Steel, 32" Wide x 25' Floor To Floor Height	195,929.10	20,371.40
14 31 00 00-0007	EA	Escalators Stainless Steel, 36" Wide x 12' Floor To Floor Height	140,800.87	11,917.27
14 31 00 00-0008	EA	Escalators Stainless Steel, 36" Wide x 15' Floor To Floor Height	156,204.32	14,259.99
14 31 00 00-0009	EA	Escalators Stainless Steel, 36" Wide x 18' Floor To Floor Height	169,302.76	16,297.12
14 31 00 00-0010	EA	Escalators Stainless Steel, 36" Wide x 22' Floor To Floor Height	190,726.70	20,473.26
14 31 00 00-0011	EA	Escalators Stainless Steel, 36" Wide x 25' Floor To Floor Height	205,544.38	22,001.12
14 31 00 00-0012	EA	Escalators Stainless Steel, 48" Wide x 12' Floor To Floor Height	148,796.94	12,630.28
14 31 00 00-0013	EA	Escalators Stainless Steel, 48" Wide x 15' Floor To Floor Height	165,572.60	15,278.56
14 31 00 00-0014	EA	Escalators Stainless Steel, 48" Wide x 18' Floor To Floor Height	178,324.20	17,315.70
14 31 00 00-0015	EA	Escalators Stainless Steel, 48" Wide x 22' Floor To Floor Height	204,927.41	21,593.69
14 31 00 00-0016	EA	Escalators Stainless Steel, 48" Wide x 25' Floor To Floor Height	217,514.86	23,630.83
14 31 00 00-0017	EA	Escalator Fire Shutter Fusible Link	19,713.87	407.43

14 32 Moving Walks ^(14 30)

14 32 00 00-0001

Moving Sidewalks ^(14 32)

Note: Prices are medians. Includes safety rails.

14 32 00 00-0002	LF	Moving Sidewalks, 28" Wide	1,399.33	244.46
		For Each LF Of Ramp Or Sloped Sections, Add	221.20	
14 32 00 00-0003	LF	Moving Sidewalks, 36" Wide	1,872.58	249.55
		For Each LF Of Ramp Or Sloped Sections, Add	314.63	
14 32 00 00-0004	LF	Moving Sidewalks, 48" Wide	2,112.62	259.74
		For Each LF Of Ramp Or Sloped Sections, Add	360.20	
14 32 00 00-0005	LF	Moving Sidewalks, 54" Wide	2,429.80	281.74
		For Each LF Of Ramp Or Sloped Sections, Add	418.35	

14 40 Lifts ⁽¹⁴⁾

14 42 Wheelchair Lifts ^(14 40)

14 42 13 Inclined Wheelchair Lifts ^(14 42)

14 42 13 00-0001

Chair Lift-Stair Climber ^(14 42 13)

Note: Includes landing, rails, lifting device and gates.

14 42 13 00-0002	EA	Chair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 LB Capacity	4,579.26	489.52
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Note: Includes top and bottom call button, safety chair, track, and power unit.

14 42 16 Vertical Wheelchair Lifts ^(14 42)

14 42 16 00-0001

Wheelchair Lift (Shorty) ^(14 42 16)

14 42 16 00-0002	EA	36" Vertical Travel Wheelchair Platform Scissor Lift	8,175.64	326.35
		Note: 1000 LB capacity. Includes handrails and manual ramp.		
		For Accordion Safety Skirt, Add	998.00	
		For Removable Handrails, Add	100.00	
		For Power Operated Ramp, Add	885.00	
14 42 16 00-0003	EA	42" Vertical Travel Wheelchair Platform Scissor Lift	8,610.77	435.13
		Note: 1000 LB capacity. Includes handrails and manual ramp.		
		For 2,000 LB Capacity, Add	600.00	
		For 3,000 LB Capacity, Add	1,000.00	
		For 4,000 LB Capacity, Add	1,500.00	
		For Accordion Safety Skirt, Add	998.00	
		For Removable Handrails, Add	100.00	
		For Power Operated Ramp, Add	885.00	
14 42 16 00-0004	EA	70" Vertical Travel Wheelchair Platform Scissor Lift	11,599.90	543.91
		Note: 1000 LB capacity. Includes handrails and manual ramp.		
		For 2,000 LB Capacity, Add	600.00	
		For 3,000 LB Capacity, Add	1,000.00	
		For 4,000 LB Capacity, Add	1,500.00	
		For Accordion Safety Skirt, Add	998.00	
		For Removable Handrails, Add	100.00	
		For Power Operated Ramp, Add	885.00	
14 42 16 00-0005	EA	84" Vertical Travel Wheelchair Platform Scissor Lift	12,876.90	543.91
		Note: 1000 LB capacity. Includes handrails and manual ramp.		
		For 2,000 LB Capacity, Add	600.00	
		For 3,000 LB Capacity, Add	1,000.00	
		For 4,000 LB Capacity, Add	1,500.00	
		For Accordion Safety Skirt, Add	998.00	
		For Removable Handrails, Add	100.00	
		For Power Operated Ramp, Add	885.00	
14 42 16 00-0006	EA	18' Travel Wheelchair Incline Lift	14,811.56	543.91
		Note: 500 LB capacity, interior installation.		



Conveying Equipment		14	14
Lifts		14 40	
Wheelchair Lifts		14 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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14 90 Other Conveying Equipment ⁽¹⁴⁾

14 91 Facility Chutes ^(14 90)

14 91 82 Trash Chutes ^(14 91)

14 91 82 00-0001 Trash Chutes ^(14 91 82)

14 91 82 00-0002	LF 18" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	24.44	3.65
	For Aluminum, Add	1.75	
	For Stainless Steel, Add	6.11	
14 91 82 00-0003	LF 24" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	31.22	3.65
	For Aluminum, Add	2.36	
	For Stainless Steel, Add	8.27	
14 91 82 00-0004	LF 30" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	34.40	4.57
	For Aluminum, Add	2.62	
	For Stainless Steel, Add	9.17	
14 91 82 00-0005	LF 36" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	52.06	4.57
	For Aluminum, Add	4.32	
	For Stainless Steel, Add	15.11	
14 91 82 00-0006	EA Trash Chutes, Hopper.....	501.71	25.56
	For Aluminum, Add	45.03	
	For Stainless Steel, Add	157.59	
14 91 82 00-0007	EA Trash Chutes, Skylight.....	257.25	50.20
	For Aluminum, Add	15.66	
	For Stainless Steel, Add	54.82	
14 91 82 00-0008	EA Trash Chutes, Sprinkler Unit At Top	184.24	54.76
	For Aluminum, Add	6.85	
	For Stainless Steel, Add	23.98	
14 91 82 00-0009	EA Trash Chutes, Sprinkler Unit At Intake Hopper	50.33	19.16
	For Aluminum, Add	1.18	
	For Stainless Steel, Add	4.11	
14 91 82 00-0010	EA Refuse Type Bottom Storage Hopper Unit.....	434.40	68.45
	For Aluminum, Add	28.97	
	For Stainless Steel, Add	101.41	
14 91 82 00-0011	EA Hopper Doors.....	991.70	63.85

END OF SECTION 14

14	14	Conveying Equipment
	14 90	Other Conveying Equipment
	14 91	Facility Chutes



MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST		UNIT COST

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Fire Suppression		21
Operation and Maintenance of Fire Suppression		21 01
Operation and Maintenance of Water-Based Fire-Suppression Systems		21 01 10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 Fire Suppression

21 01 Operation and Maintenance of Fire Suppression ⁽²¹⁾

21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems ^(21 01)

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

21 01 10 91 Water-Based Fire-Suppression Systems Restoration ^(21 01 10)

21 01 10 91-0001	Relocate Sprinkler Head And Branch Piping ^(21 01 10 91)	
Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.		
21 01 10 91-0002	EA Relocate Existing Sprinkler Head And Branch Piping	59.01
Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.		
21 01 10 91-0003	Sprinkler Upgrades ^(21 01 10 91)	
21 01 10 91-0004	LF Purging Existing Lines Of Water	0.50
21 01 10 91-0005	LF Refill Existing Lines With Water	0.61

21 01 30 Operation and Maintenance of Fire-Suppression Equipment ^(21 01)

21 01 30 91 Fire-Suppression Equipment Restoration ^(21 01 30)

21 01 30 91-0001	Inspection And Recharge ^(21 01 30 91)	
21 01 30 91-0002	EA Inspection, CO2, Carbon Dioxide	211.42
21 01 30 91-0003	LB Refill/Recharge, CO2, Carbon Dioxide	1.85
21 01 30 91-0004	EA Inspection, Halon 1301	211.42
21 01 30 91-0005	LB Refill/Recharge, Halon 1301	44.49
21 01 30 91-0006	EA Inspection, WC, Wet Chemical	127.84
21 01 30 91-0007	GAL Refill/Recharge, WC, Wet Chemical	41.71
21 01 30 91-0008	EA Inspection, DC, Dry Chemical	127.84
21 01 30 91-0009	LB Refill/Recharge, DC, Dry Chemical	3.71
21 01 30 91-0010	EA Hydrostatic Testing, All Sizes, All Agents	39.34
See CSI section 23 05 93 00-0046 for testing existing piping systems.		
21 01 30 91-0011	EA Disarm/Arm System	68.84

21 05 Common Work Results for Fire Suppression ⁽²¹⁾

21 05 13 Common Motor Requirements for Fire-Suppression Equipment ^(21 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

21 05 16 Expansion Fittings And Loops for Fire-Suppression Piping ^(21 05)

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping ^(21 05)

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

21 05 19 Meters and Gages for Fire-Suppression Systems ^(21 05)

See CSI section 33 19 00 00-0000 for water utility service metering.

21 05 19 00-0001	Fire Sprinkler System Water Pressure Gauge ^(21 05 19)	
21 05 19 00-0002	EA 2" Diameter Dial, 0-200 PSI, Water Pressure Gauge	37.42
Note: For fire sprinkler systems		
21 05 19 00-0003	EA 2-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge	38.61
Note: For fire sprinkler systems		
21 05 19 00-0004	EA 3" Diameter Dial, 0-300 PSI, Water Pressure Gauge	44.18
Note: For fire sprinkler systems		
21 05 19 00-0005	EA 3-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge	46.47
Note: For fire sprinkler systems		
21 05 19 00-0006	EA 4" Diameter Dial, 0-300 PSI, Water Pressure Gauge	48.76
Note: For fire sprinkler systems		
21 05 19 00-0007	Fire Service Meter Cast Iron Housing ^(21 05 19)	
21 05 19 00-0008	EA 3" Diameter, 0 - 600 GPM Fire Service Meter Flanged, With Cast Iron Housing	3,899.78
For >10 To 25, Deduct		-194.99
For >25, Deduct		-565.11
21 05 19 00-0009	EA 4" Diameter, 0 - 1,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	7,937.13
For >10 To 25, Deduct		-396.86
For >25, Deduct		-1,157.23
21 05 19 00-0010	EA 6" Diameter, 0 - 2,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	10,773.28
For >10 To 25, Deduct		-538.66
For >25, Deduct		-1,566.71

21 Fire Suppression**21 05 Common Work Results for Fire Suppression****21 05 19 Meters and Gages for Fire-Suppression Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 05 19 00-0011	EA	8" Diameter, 0 - 4,000 GPM Fire Service Meter Flanged, With Cast Iron Housing <i>For >10 To 25, Deduct</i>	14,046.05 -702.30 -2,044.55	502.00
21 05 19 00-0012	EA	10" Diameter, 0 - 6,200 GPM Fire Service Meter Flanged, With Cast Iron Housing <i>For >10 To 25, Deduct</i> <i>For >25, Deduct</i>	19,758.68 -987.93 -2,887.41	611.13

21 05 23 General-Duty Valves for Water-Based Fire-Suppression Piping

(21 05)

See CSI section 23 05 23 00-0000 for valves.

21 05 23 00-0001 Globe Valves (21 05 23)**21 05 23 00-0002 Threaded, 125 LB, Bronze Body, Angle Globe Valves (21 05 23 00-0001)**

Note: Non-rising stem

21 05 23 00-0003	EA	1/2" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD).....	57.28	10.14
21 05 23 00-0004	EA	3/4" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD).....	72.77	10.64
21 05 23 00-0005	EA	1" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD).....	100.84	10.64
21 05 23 00-0006	EA	1-1/4" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD).....	152.92	13.48
21 05 23 00-0007	EA	1-1/2" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD).....	180.10	15.61
21 05 23 00-0008	EA	2" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD).....	213.37	18.44

21 05 23 00-0009 Butterfly Valves (21 05 23)**21 05 23 00-0010 Grooved End Gear Operated Butterfly Valves (21 05 23 00-0009)**

21 05 23 00-0011	EA	2-1/2" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N).....	331.79	16.52
21 05 23 00-0012	EA	3" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N).....	365.10	19.79
21 05 23 00-0013	EA	4" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N).....	385.01	26.04
21 05 23 00-0014	EA	6" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N).....	549.07	42.66
21 05 23 00-0015	EA	8" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N).....	789.85	60.02

21 05 23 00-0016 Grooved End, Wafer Type, Ductile Iron, Gear Operated Butterfly Valves (21 05 23 00-0009)

21 05 23 00-0017	EA	2" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	331.93	13.35
21 05 23 00-0018	EA	2-1/2" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	339.21	16.52
21 05 23 00-0019	EA	3" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	375.00	19.79
21 05 23 00-0020	EA	4" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	391.20	26.04
21 05 23 00-0021	EA	6" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	547.84	42.66
21 05 23 00-0022	EA	8" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	813.36	60.02
21 05 23 00-0023	EA	10" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	1,254.66	81.11

21 05 23 00-0024 Check Valves (21 05 23)**21 05 23 00-0025 Bronze Body, Threaded, 150 LB, Swing Check Valves (21 05 23 00-0024)**

21 05 23 00-0026	EA	1/2" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y).....	208.98	10.14
21 05 23 00-0027	EA	3/4" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y).....	246.41	10.64
21 05 23 00-0028	EA	1" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y).....	337.63	10.64
21 05 23 00-0029	EA	1-1/4" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y).....	449.93	13.48
21 05 23 00-0030	EA	1-1/2" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y).....	590.67	15.61
21 05 23 00-0031	EA	2" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y).....	864.30	18.44

21 05 23 00-0032 Flanged, Iron Body, Bronze Trim, Swing Check Valves (21 05 23 00-0024)

21 05 23 00-0033	EA	2-1/2" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	567.37	135.34
21 05 23 00-0034	EA	3" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	646.86	158.68
21 05 23 00-0035	EA	4" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	927.86	266.01
21 05 23 00-0036	EA	6" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	1,357.46	324.78
21 05 23 00-0037	EA	8" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	2,097.71	415.00
21 05 23 00-0038	EA	10" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	3,240.62	505.21
21 05 23 00-0039	EA	12" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	4,474.85	613.47

21 05 23 00-0040 Iron Body Wafer Type Check Valve (21 05 23 00-0024)

21 05 23 00-0041	EA	2-1/2" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	459.77	135.43
21 05 23 00-0042	EA	3" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	531.01	158.78
21 05 23 00-0043	EA	4" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	675.49	266.18
21 05 23 00-0044	EA	6" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	1,070.62	373.59
21 05 23 00-0045	EA	8" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	1,507.48	429.63
21 05 23 00-0046	EA	10" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	2,149.63	46.70
21 05 23 00-0047	EA	12" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	2,891.48	635.10

21 05 23 00-0048 Grooved End, Check Valves (21 05 23 00-0024)

21 05 23 00-0049	EA	2-1/2" Check Valve, Grooved (Victaulic FireLock® 717).....	295.41	16.80
21 05 23 00-0050	EA	3" Check Valve, Grooved (Victaulic FireLock® 717).....	299.95	19.89
21 05 23 00-0051	EA	4" Check Valve, Grooved (Victaulic FireLock® 717).....	320.23	26.14
21 05 23 00-0052	EA	6" Check Valve, Grooved (Victaulic FireLock® 717).....	939.01	42.66
21 05 23 00-0053	EA	8" Check Valve, Grooved (Victaulic FireLock® 717).....	1,304.97	60.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 05 23 00-0054 Gate Valves (21 05 23)		
21 05 23 00-0055 Threaded, Bronze Gate Valves (21 05 23 00-0054) Note: Class 175		
21 05 23 00-0056 EA 1" Threaded, Bronze Gate Valve (Crane 459)	655.63	12.67
21 05 23 00-0057 EA 1-1/4" Threaded, Bronze Gate Valve (Crane 459)	801.37	13.48
21 05 23 00-0058 EA 1-1/2" Threaded, Bronze Gate Valve (Crane 459)	953.65	15.61
21 05 23 00-0059 EA 2" Threaded, Bronze Gate Valve (Crane 459)	1,190.35	18.44
21 05 23 00-0060 Flanged, Cast Iron Body, Bronze Trim Gate Valves (21 05 23 00-0054) Note: Class 175		
21 05 23 00-0061 EA 2-1/2" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	747.92	135.34
21 05 23 00-0062 EA 3" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	880.56	158.68
21 05 23 00-0063 EA 4" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	1,248.62	266.01
21 05 23 00-0064 EA 6" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	1,831.48	324.78
21 05 23 00-0065 EA 8" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	2,672.35	415.00
21 05 23 00-0066 EA 10" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	4,773.42	505.21
21 05 23 00-0067 EA 12" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	6,460.24	613.47
21 05 23 00-0068 Flanged, Resilient Wedge, Ductile Iron Body, Gate Valves (21 05 23 00-0054) Note: Class 175		
21 05 23 00-0069 EA 2-1/2" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	1,243.35	135.34
21 05 23 00-0070 EA 3" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	1,448.67	158.68
21 05 23 00-0071 EA 4" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	1,765.50	266.01
21 05 23 00-0072 EA 6" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	2,267.53	324.78
21 05 23 00-0073 EA 8" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	3,357.29	415.00
21 05 23 00-0074 EA 10" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	4,817.20	505.21
21 05 23 00-0075 EA 12" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	6,215.32	613.47
21 05 23 00-0076 Flanged, Resilient Wedge, Ductile Iron Body, Gate Valves (21 05 23 00-0054) Note: Class 250. Square operating nut actuation type.		
21 05 23 00-0077 EA 3" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	1,181.20	158.68
21 05 23 00-0078 EA 4" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	1,507.42	266.01
21 05 23 00-0079 EA 6" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	1,927.79	324.78
21 05 23 00-0080 EA 8" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	2,880.53	415.00
21 05 23 00-0081 EA 10" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	4,307.60	505.21
21 05 23 00-0082 EA 12" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	5,411.96	613.47
21 05 23 00-0083 Ball Valves (21 05 23)		
21 05 23 00-0084 Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728) (21 05 23 00-0083)		
21 05 23 00-0085 EA 1" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	423.29	12.67
21 05 23 00-0086 EA 1-1/4" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	461.11	13.48
21 05 23 00-0087 EA 1-1/2" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	545.36	15.61
21 05 23 00-0088 EA 2" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	656.36	18.44
21 05 23 00-0089 TESTanDRAIN® Valve (21 05 23)		
21 05 23 00-0090 EA 1/4" 3-Way Globe Valve With 1/4" NPT Test Port (AGF 7600)	162.74	13.18
21 05 23 00-0091 EA 1" Threaded TESTanDRAIN® Valve (AGF 1000)	184.65	15.94
21 05 23 00-0092 EA 1-1/4" Threaded TESTanDRAIN® Valve (AGF 1000)	226.34	20.14
21 05 23 00-0093 EA 1-1/2" Threaded TESTanDRAIN® Valve (AGF 1000)	346.77	23.25
21 05 23 00-0094 EA 2" Threaded TESTanDRAIN® Valve (AGF 1000)	366.92	27.47
21 05 23 00-0095 EA 1" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	254.42	15.94
21 05 23 00-0096 EA 1-1/4" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	295.43	20.14
21 05 23 00-0097 EA 1-1/2" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	417.96	23.25
21 05 23 00-0098 EA 2" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	440.01	27.47

21 05 29 Hangers and Supports for Fire-Suppression Piping and Equipment (21 05)

21 Fire Suppression**21 05 Common Work Results for Fire Suppression****21 05 29 Hangers and Supports for Fire-Suppression Piping and Equipment**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

See CSI section 23 05 29 00-0000 for hangers and supports.

21 05 48 Vibration and Seismic Controls for Fire-Suppression Piping and Equipment ^(21 05)

21 05 48 13 Vibration Controls for Fire-Suppression Piping and Equipment ^(21 05 48)

See CSI section 23 05 48 13-0000 for vibration and seismic control.

21 05 53 Identification for Fire-Suppression Piping and Equipment ^(21 05)

See CSI section 23 05 53 00-0000 for identification.

21 07 Fire-Suppression Systems Insulation ⁽²¹⁾

21 07 16 Fire-Suppression Equipment Insulation ^(21 07)

See CSI section 23 07 16 00-0000 for fire-suppression equipment insulation.

21 07 19 Fire-Suppression Piping Insulation ^(21 07)

See CSI section 22 07 19 00-0000 for fire-suppression piping insulation.

21 10 Water-Based Fire-Suppression Systems ⁽²¹⁾

See CSI section 22 11 16 00-0368 for copper pipe, 22 11 16 00-0912 for CPVC pipe, 23 05 23 00-0064 for OS&Y gate valves, 23 21 13 23-0000 for black steel piping.

21 11 Facility Fire-Suppression Water-Service Piping ^(21 10)

21 11 19 Fire-Department Connections ^(21 11)

21 11 19 00-0001 Fire Department Connections ^(21 11 19)

21 11 19 00-0002	EA	4" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass.....	840.10	294.83
		For Polished Chrome, Add	49.18	
21 11 19 00-0003	EA	6" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass.....	1,160.80	368.55
		For Polished Chrome, Add	75.28	
21 11 19 00-0004	EA	4" x 3" x 3" Siamese Connection, Polished Brass.....	1,209.62	294.83
		For Polished Chrome, Add	95.35	
21 11 19 00-0005	EA	6" x 3" x 3" Siamese Connection, Polished Brass.....	1,594.40	368.55
		For Polished Chrome, Add	129.48	
21 11 19 00-0006	EA	6" x 2-1/2" x 2-1/2" x 2-1/2" Siamese Connection, Three Way, Polished Brass.....	1,700.38	368.55
		For Polished Chrome, Add	142.72	
21 11 19 00-0007	EA	Sidewalk Type Connection With Plug And Chain, Polished Brass.....	1,471.30	390.06
		For Polished Chrome, Add	110.07	
21 11 19 00-0008	EA	Wall Type Connection With Plug And Chain, Polished Brass.....	951.89	294.83
		For Polished Chrome, Add	63.16	

21 11 19 00-0009 Wall Type Indicator Post, Wheel Operated ^(21 11 19)

See CSI section 33 14 19 00-0001 for adjustable indicator post accessory for ground valves.

21 11 19 00-0010	EA	Wall Type Indicator Post With Wall Flange For Valve (Victaulic 773).....	1,323.55	266.01
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21 11 19 00-0011 Upright Indicator Post, Wheel Operated ^(21 11 19)

21 11 19 00-0012	EA	Upright Indicator Post With Flange For Valve (Victaulic 774).....	6,515.13	266.01
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21 12 Fire-Suppression Standpipes ^(21 10)

21 12 13 Fire-Suppression Hoses and Nozzles ^(21 12)

21 12 13 00-0001 Fire Hose ^(21 12 13)

21 12 13 00-0002 Fire Hose Without Couplings ^(21 12 13 00-0001)

21 12 13 00-0003	LF	1-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings.....	2.49	1.97
21 12 13 00-0004	LF	2-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings.....	2.88	1.97
21 12 13 00-0005	LF	2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings.....	2.64	1.97
21 12 13 00-0006	LF	3" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings.....	3.07	1.97
21 12 13 00-0007	LF	1-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings.....	2.76	1.97
21 12 13 00-0008	LF	2-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings.....	3.37	1.97
21 12 13 00-0009	LF	1-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings.....	2.84	1.97
21 12 13 00-0010	LF	2-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings.....	3.54	1.97

21 12 13 00-0011 Fire Hose With Aluminum Couplings ^(21 12 13 00-0001)

21 12 13 00-0012	LF	1-3/4" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	5.50	1.08
21 12 13 00-0013	LF	2-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	6.82	1.28
21 12 13 00-0014	LF	3-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	11.26	1.28

21 12 13 00-0015 Fire Hose Accessories ^(21 12 13 00-0001)

21 12 13 00-0016	EA	Hose Coupling With 1-1/2" Pin Lug.....	102.22	32.45
21 12 13 00-0017	EA	Hose Coupling With 2-1/2" Pin Lug.....	146.27	36.38
21 12 13 00-0018	EA	1-1/2" x 10" Brass Straight Nozzle.....	75.18	25.57
21 12 13 00-0019	EA	2-1/2" x 12" Brass Straight Nozzle.....	142.77	25.57



Fire Suppression			21
Water-Based Fire-Suppression Systems			21 10
Fire-Suppression Standpipes			21 12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 12 13 00-0020	EA		1-1/2" Brass Fog Type Nozzle	114.35	25.57
21 12 13 00-0021	EA		2-1/2" Brass Fog Type Nozzle	161.94	25.57
21 12 13 00-0022	EA		1-1/2" Brass 100' Hose Rack	263.92	108.17
21 12 13 00-0023	EA		2-1/2" Brass 100' Hose Rack	355.60	108.17

21 12 23 Fire-Suppression Hose Valves (21 12)

21 12 23 00-0001 Standpipe Valves (21 12 23)

21 12 23 00-0002	EA		2-1/2" Fire Department Valve, Polished Brass With Plug And Chain	532.64	195.03
			For Polished Chrome, Add	35.59	
21 12 23 00-0003	EA		2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass	813.50	194.94
			For Polished Chrome, Add	77.72	
21 12 23 00-0004	EA		2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass	1,034.20	210.87
			For Polished Chrome, Add	107.19	
21 12 23 00-0005	EA		3" x 3" x 4" Fire Department Valve, Flush, Polished Brass	1,218.22	194.94
			For Polished Chrome, Add	138.43	
21 12 23 00-0006	EA		3" x 3" x 6" Fire Department Valve, Flush, Polished Brass	1,424.26	210.87
			For Polished Chrome, Add	165.70	
21 12 23 00-0007	EA		2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass	770.48	194.94
			For Polished Chrome, Add	71.27	
21 12 23 00-0008	EA		2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass	1,101.65	210.87
			For Polished Chrome, Add	117.31	
21 12 23 00-0009	EA		2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass	1,385.17	201.25
			For Polished Chrome, Add	129.63	
21 12 23 00-0010	EA		2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass	1,959.19	223.60
			For Polished Chrome, Add	194.44	
21 12 23 00-0011	EA		2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass	1,481.95	201.25
			For Polished Chrome, Add	141.24	
21 12 23 00-0012	EA		2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass	2,105.01	223.60
			For Polished Chrome, Add	211.94	
21 12 23 00-0013	EA		2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Square, Flush, Polished Brass	3,612.32	268.28
			For Polished Chrome, Add	320.57	

21 12 23 00-0014 Fire Hose Angle Valves (21 12 23)

21 12 23 00-0015	EA		1-1/2", 300 LB Rated, Cast Brass, Fire Hose Angle Valve	164.25	26.55
21 12 23 00-0016	EA		1-1/2", 300 LB Rated, Polished Brass, Fire Hose Angle Valve	192.98	26.55
21 12 23 00-0017	EA		1-1/2", 300 LB Rated, Rough Chrome Plated, Fire Hose Angle Valve	182.53	26.55
21 12 23 00-0018	EA		1-1/2", 300 LB Rated, Polished Chrome Plated, Fire Hose Angle Valve	211.26	26.55
21 12 23 00-0019	EA		2-1/2", 300 LB Rated, Cast Brass, Fire Hose Angle Valve	290.22	44.25
21 12 23 00-0020	EA		2-1/2", 300 LB Rated, Polished Brass, Fire Hose Angle Valve	332.00	44.25
21 12 23 00-0021	EA		2-1/2", 300 LB Rated, Rough Chrome Plated, Fire Hose Angle Valve	335.49	44.25
21 12 23 00-0022	EA		2-1/2", 300 LB Rated, Polished Chrome Plated, Fire Hose Angle Valve	377.27	44.25

21 12 29 Fire-Suppression Fire Hose Equipment (21 12)

21 12 29 00-0001 Standpipe And Fire Hose Equipment (21 12 29)

21 12 29 00-0002	EA		2-1/2" x 2-1/2" x 2-1/2" x 4" Manifold Roof Type, Vertical, Polished Brass	1,604.74	483.46
21 12 29 00-0003	EA		Water Motor Gong	558.40	146.70
21 12 29 00-0004	EA		Fire Riser Flow Switch (National Fire Protection Association 13)	397.42	17.07
21 12 29 00-0005	EA		Water Flow Supervisory (Tamper) Switch Mounted On Valve	174.86	29.19

21 12 29 00-0006 Water Flow Detector (21 12 29)

21 12 29 00-0007 Pressure-Type Water Flow Detector (21 12 29 00-0006)

21 12 29 00-0008	EA		Pressure-Type Water Flow Detector For Up To 2-1/2" Pipe	297.42	89.83
21 12 29 00-0009	EA		Pressure-Type Water Flow Detector For >2-1/2" To 4" Pipe	428.11	119.04
21 12 29 00-0010	EA		Pressure-Type Water Flow Detector For >4" To 8" Pipe	639.34	134.75

21 12 29 00-0011 Vane-Type Water Flow Detector (21 12 29 00-0006)

21 12 29 00-0012	EA		Vane-Type Water Flow Detector For Up To 2-1/2" Pipe	361.13	89.83
21 12 29 00-0013	EA		Vane-Type Water Flow Detector For >2-1/2" To 4" Pipe	506.16	119.04
21 12 29 00-0014	EA		Vane-Type Water Flow Detector For >4" To 8" Pipe	763.05	134.75

21 13 Fire-Suppression Sprinkler Systems (21 10)

21 13 13 Wet-Pipe Sprinkler Systems (21 13)

21 13 13 00-0001 Complete Wet Pipe Sprinkler Systems (21 13 13)

Note: Includes complete design per NFPA 13, 13D or 13R and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc) from riser pipe and mains. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1396 for individual grooved pipe, 23 21 13 23-1469 for individual grooved pipe fittings.

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

21 13 13 00-0002 Light Hazard, Complete Wet-Pipe Sprinkler Systems (21 13 13 00-0001)			
21 13 13 00-0003	EA	Exposed Piping, Light Hazard, Complete Wet-Pipe Sprinkler System, Per Head Note: Includes branch pipe and fittings, supports and sprinkler heads.	375.56
		For Copper Pipe, Add	43.72
		For Polyvinyl Chloride (PVC) Pipe, Deduct	-62.50
		For Up To 5, Add	175.45
		For >5 To 10, Add	112.95
		For >10 To 20, Add	75.39
		For >20 To 40, Add	31.39
		For >100 To 150, Deduct	-37.56
		For >150, Deduct	-75.11
21 13 13 00-0004	EA	Concealed Piping, Light Hazard, Complete Wet-Pipe Sprinkler System, Per Head Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	504.83
		For Copper Pipe, Add	57.15
		For Polyvinyl Chloride (PVC) Pipe, Deduct	-82.40
		For Up To 5, Add	239.07
		For >5 To 10, Add	156.68
		For >10 To 20, Add	106.20
		For >20 To 40, Add	43.81
		For >100 To 150, Deduct	-50.48
		For >150, Deduct	-100.97
21 13 13 00-0005 Ordinary Hazard, Complete Wet-Pipe Sprinkler Systems (21 13 13 00-0001)			
21 13 13 00-0006	EA	Exposed Piping, Ordinary Hazard, Complete Wet-Pipe Sprinkler System, Per Head Note: Includes branch pipe and fittings, supports and sprinkler heads.	373.68
		For Copper Pipe, Add	43.59
		For Polyvinyl Chloride (PVC) Pipe, Deduct	-62.28
		For Up To 5, Add	174.39
		For >5 To 10, Add	112.11
		For >10 To 20, Add	74.75
		For >20 To 40, Add	31.14
		For >100 To 150, Deduct	-37.37
		For >150, Deduct	-74.74
21 13 13 00-0007	EA	Concealed Piping, Ordinary Hazard, Complete Wet-Pipe Sprinkler System, Per Head Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	500.01
		For Copper Pipe, Add	56.68
		For Polyvinyl Chloride (PVC) Pipe, Deduct	-81.68
		For Up To 5, Add	236.66
		For >5 To 10, Add	154.98
		For >10 To 20, Add	104.98
		For >20 To 40, Add	43.33
		For >100 To 150, Deduct	-50.00
		For >150, Deduct	-100.00
21 13 13 00-0008 Extra Hazard, Complete Wet-Pipe Sprinkler Systems (21 13 13 00-0001)			
21 13 13 00-0009	EA	Exposed Piping, Extra Hazard, Complete Wet-Pipe Sprinkler System, Per Head Note: Includes branch pipe and fittings, supports and sprinkler heads.	346.09
		For Copper Pipe, Add	40.31
		For Polyvinyl Chloride (PVC) Pipe, Deduct	-57.61
		For Up To 5, Add	161.64
		For >5 To 10, Add	104.03
		For >10 To 20, Add	69.42
		For >20 To 40, Add	28.91
		For >100 To 150, Deduct	-34.61
		For >150, Deduct	-69.22
21 13 13 00-0010	EA	Concealed Piping, Extra Hazard, Complete Wet-Pipe Sprinkler System, Per Head Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	463.90
		For Copper Pipe, Add	52.51
		For Polyvinyl Chloride (PVC) Pipe, Deduct	-75.71
		For Up To 5, Add	219.70
		For >5 To 10, Add	143.99
		For >10 To 20, Add	97.60
		For >20 To 40, Add	40.27
		For >100 To 150, Deduct	-46.39
		For >150, Deduct	-92.78
21 13 13 00-0011		Wet Pipe Sprinkler Components (21 13 13)	
		Note: Excludes hydraulic calculations.	
21 13 13 00-0012		Wet Pipe Alarm Check Valves (21 13 13 00-0011)	
		Note: Excludes trim package See CSI section 21 13 13 00-0018 for Wet Pipe Valve Trim.	
21 13 13 00-0013	EA	2-1/2" Wet Pipe Alarm Check Valve	1,251.35
21 13 13 00-0014	EA	3" Wet Pipe Alarm Check Valve	1,287.28
21 13 13 00-0015	EA	4" Wet Pipe Alarm Check Valve	1,484.93
21 13 13 00-0016	EA	6" Wet Pipe Alarm Check Valve	1,472.18
21 13 13 00-0017	EA	8" Wet Pipe Alarm Check Valve	2,544.16
21 13 13 00-0018		Wet Pipe Valve Trim (21 13 13 00-0011)	
		Note: Vertical or Horizontal, closed drain, basic galvanized trim assembly package. Includes gauges, pressure switch, relief valve, drain line, and retard chamber.	
21 13 13 00-0019	EA	2-1/2" Wet Pipe Valve Trim	1,153.49



Fire Suppression			21
Water-Based Fire-Suppression Systems			21 10
Fire-Suppression Sprinkler Systems			21 13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0020	EA		3" Wet Pipe Valve Trim	1,212.11	261.43
21 13 13 00-0021	EA		4" Wet Pipe Valve Trim	1,479.68	358.45
21 13 13 00-0022	EA		6" Wet Pipe Valve Trim	1,771.88	498.59
21 13 13 00-0023	EA		8" Wet Pipe Valve Trim	1,969.52	617.17
21 13 13 00-0024			Wet Pipe Sprinkler Heads (21 13 13 00-0011)		
21 13 13 00-0025			Upright Wet Pipe Sprinkler Heads (21 13 13 00-0024)		
21 13 13 00-0026	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Brass Wet Pipe Sprinkler Head	64.54	11.06
			For >25 To 50, Deduct	-2.21	
			For >50 To 100, Deduct	-5.44	
			For >100 To 500, Deduct	-9.17	
			For >500 To 1,000, Deduct	-19.14	
			For >1,000, Deduct	-27.99	
21 13 13 00-0027	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Chrome Wet Pipe Sprinkler Head	66.60	11.06
			For >25 To 50, Deduct	-2.21	
			For >50 To 100, Deduct	-5.54	
			For >100 To 500, Deduct	-9.43	
			For >500 To 1,000, Deduct	-19.51	
			For >1,000, Deduct	-28.36	
21 13 13 00-0028	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright White Polyester Coated Wet Pipe Sprinkler Head	67.92	11.06
			For >25 To 50, Deduct	-2.21	
			For >50 To 100, Deduct	-5.61	
			For >100 To 500, Deduct	-9.60	
			For >500 To 1,000, Deduct	-19.75	
			For >1,000, Deduct	-28.60	
21 13 13 00-0029	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head	65.57	11.06
			For >25 To 50, Deduct	-2.21	
			For >50 To 100, Deduct	-5.49	
			For >100 To 500, Deduct	-9.30	
			For >500 To 1,000, Deduct	-19.33	
			For >1,000, Deduct	-28.18	
21 13 13 00-0030	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head	67.72	11.06
			For >25 To 50, Deduct	-2.21	
			For >50 To 100, Deduct	-5.60	
			For >100 To 500, Deduct	-9.57	
			For >500 To 1,000, Deduct	-19.71	
			For >1,000, Deduct	-28.56	
21 13 13 00-0031	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head	69.09	11.06
			For >25 To 50, Deduct	-2.21	
			For >50 To 100, Deduct	-5.67	
			For >100 To 500, Deduct	-9.74	
			For >500 To 1,000, Deduct	-19.96	
			For >1,000, Deduct	-28.81	
21 13 13 00-0032	EA		1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Brass Wet Pipe Sprinkler Head	79.10	11.06
			For >25 To 50, Deduct	-2.21	
			For >50 To 100, Deduct	-6.17	
			For >100 To 500, Deduct	-10.99	
			For >500 To 1,000, Deduct	-21.76	
			For >1,000, Deduct	-30.61	
21 13 13 00-0033	EA		1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	84.64	11.06
			For >25 To 50, Deduct	-2.21	
			For >50 To 100, Deduct	-6.44	
			For >100 To 500, Deduct	-11.69	
			For >500 To 1,000, Deduct	-22.76	
			For >1,000, Deduct	-31.61	
21 13 13 00-0034	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Brass Wet Pipe Sprinkler Head	79.10	11.06
			For >25 To 50, Deduct	-2.21	
			For >50 To 100, Deduct	-6.17	
			For >100 To 500, Deduct	-10.99	
			For >500 To 1,000, Deduct	-21.76	
			For >1,000, Deduct	-30.61	
21 13 13 00-0035	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	84.64	11.06
			For >25 To 50, Deduct	-2.21	
			For >50 To 100, Deduct	-6.44	
			For >100 To 500, Deduct	-11.69	
			For >500 To 1,000, Deduct	-22.76	
			For >1,000, Deduct	-31.61	
21 13 13 00-0036	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Brass Wet Pipe Sprinkler Head	71.93	11.06
			For >25 To 50, Deduct	-2.21	
			For >50 To 100, Deduct	-5.81	
			For >100 To 500, Deduct	-10.10	
			For >500 To 1,000, Deduct	-20.47	
			For >1,000, Deduct	-29.32	
21 13 13 00-0037	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	74.64	11.06
			For >25 To 50, Deduct	-2.21	
			For >50 To 100, Deduct	-5.94	
			For >100 To 500, Deduct	-10.44	
			For >500 To 1,000, Deduct	-20.96	
			For >1,000, Deduct	-29.81	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0038	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Brass Wet Pipe Sprinkler Head	.....	73.84	12.29
		For >25 To 50, Deduct		-2.46	
		For >50 To 100, Deduct		-6.15	
		For >100 To 500, Deduct		-10.46	
		For >500 To 1,000, Deduct		-21.65	
		For >1,000, Deduct		-31.48	
21 13 13 00-0039	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	.....	77.00	12.29
		For >25 To 50, Deduct		-2.46	
		For >50 To 100, Deduct		-6.31	
		For >100 To 500, Deduct		-10.85	
		For >500 To 1,000, Deduct		-22.22	
		For >1,000, Deduct		-32.05	
21 13 13 00-0040	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright White Polyester Coated Wet Pipe Sprinkler Head	.....	77.64	12.29
		For >25 To 50, Deduct		-2.46	
		For >50 To 100, Deduct		-6.34	
		For >100 To 500, Deduct		-10.93	
		For >500 To 1,000, Deduct		-22.33	
		For >1,000, Deduct		-32.17	
21 13 13 00-0041	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head	.....	73.84	12.29
		For >25 To 50, Deduct		-2.46	
		For >50 To 100, Deduct		-6.15	
		For >100 To 500, Deduct		-10.46	
		For >500 To 1,000, Deduct		-21.65	
		For >1,000, Deduct		-31.48	
21 13 13 00-0042	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head	.....	77.00	12.29
		For >25 To 50, Deduct		-2.46	
		For >50 To 100, Deduct		-6.31	
		For >100 To 500, Deduct		-10.85	
		For >500 To 1,000, Deduct		-22.22	
		For >1,000, Deduct		-32.05	
21 13 13 00-0043	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head	.....	77.64	12.29
		For >25 To 50, Deduct		-2.46	
		For >50 To 100, Deduct		-6.34	
		For >100 To 500, Deduct		-10.93	
		For >500 To 1,000, Deduct		-22.33	
		For >1,000, Deduct		-32.17	
21 13 13 00-0044	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Brass Wet Pipe Sprinkler Head	.....	70.51	11.06
		For >25 To 50, Deduct		-2.21	
		For >50 To 100, Deduct		-5.74	
		For >100 To 500, Deduct		-9.92	
		For >500 To 1,000, Deduct		-20.21	
		For >1,000, Deduct		-29.06	
21 13 13 00-0045	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Chrome Wet Pipe Sprinkler Head	.....	72.57	11.06
		For >25 To 50, Deduct		-2.21	
		For >50 To 100, Deduct		-5.84	
		For >100 To 500, Deduct		-10.18	
		For >500 To 1,000, Deduct		-20.59	
		For >1,000, Deduct		-29.44	
21 13 13 00-0046	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright White Polyester Coated Wet Pipe Sprinkler Head	.....	72.97	11.06
		For >25 To 50, Deduct		-2.21	
		For >50 To 100, Deduct		-5.86	
		For >100 To 500, Deduct		-10.23	
		For >500 To 1,000, Deduct		-20.66	
		For >1,000, Deduct		-29.51	
21 13 13 00-0047	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Brass Wet Pipe Sprinkler Head	.....	70.51	11.06
		For >25 To 50, Deduct		-2.21	
		For >50 To 100, Deduct		-5.74	
		For >100 To 500, Deduct		-9.92	
		For >500 To 1,000, Deduct		-20.21	
		For >1,000, Deduct		-29.06	
21 13 13 00-0048	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Chrome Wet Pipe Sprinkler Head	.....	72.57	11.06
		For >25 To 50, Deduct		-2.21	
		For >50 To 100, Deduct		-5.84	
		For >100 To 500, Deduct		-10.18	
		For >500 To 1,000, Deduct		-20.59	
		For >1,000, Deduct		-29.44	
21 13 13 00-0049	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright White Polyester Coated Wet Pipe Sprinkler Head	.....	72.97	11.06
		For >25 To 50, Deduct		-2.21	
		For >50 To 100, Deduct		-5.86	
		For >100 To 500, Deduct		-10.23	
		For >500 To 1,000, Deduct		-20.66	
		For >1,000, Deduct		-29.51	
21 13 13 00-0050	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Combustible Concealed Space, Upright Brass Wet Pipe Sprinkler Head	.....	72.97	11.06
		For >25 To 50, Deduct		-2.21	
		For >50 To 100, Deduct		-5.86	
		For >100 To 500, Deduct		-10.23	
		For >500 To 1,000, Deduct		-20.66	
		For >1,000, Deduct		-29.51	
21 13 13 00-0051	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head	.....	96.00	12.29
		For >25 To 50, Deduct		-2.46	
		For >50 To 100, Deduct		-7.26	
		For >100 To 500, Deduct		-13.23	
		For >500 To 1,000, Deduct		-25.64	
		For >1,000, Deduct		-35.47	



Fire Suppression			21
Water-Based Fire-Suppression Systems			21 10
Fire-Suppression Sprinkler Systems			21 13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0052	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head	.....98.38	12.29	
		For >25 To 50, Deduct	-2.46		
		For >50 To 100, Deduct	-7.38		
		For >100 To 500, Deduct	-13.53		
		For >500 To 1,000, Deduct	-26.07		
		For >1,000, Deduct	-35.90		
21 13 13 00-0053	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head	.....98.38	12.29	
		For >25 To 50, Deduct	-2.46		
		For >50 To 100, Deduct	-7.38		
		For >100 To 500, Deduct	-13.53		
		For >500 To 1,000, Deduct	-26.07		
		For >1,000, Deduct	-35.90		
21 13 13 00-0054	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head	.....79.97	12.29	
		For >25 To 50, Deduct	-2.46		
		For >50 To 100, Deduct	-6.46		
		For >100 To 500, Deduct	-11.23		
		For >500 To 1,000, Deduct	-22.75		
		For >1,000, Deduct	-32.59		
21 13 13 00-0055	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head	.....81.60	12.29	
		For >25 To 50, Deduct	-2.46		
		For >50 To 100, Deduct	-6.54		
		For >100 To 500, Deduct	-11.43		
		For >500 To 1,000, Deduct	-23.05		
		For >1,000, Deduct	-32.88		
21 13 13 00-0056	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head	.....81.60	12.29	
		For >25 To 50, Deduct	-2.46		
		For >50 To 100, Deduct	-6.54		
		For >100 To 500, Deduct	-11.43		
		For >500 To 1,000, Deduct	-23.05		
		For >1,000, Deduct	-32.88		
21 13 13 00-0057	EA	1/2" NPT Thread, K=5.6, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head	.....213.55	11.06	
		For >25 To 50, Deduct	-2.21		
		For >50 To 100, Deduct	-12.69		
		For >100 To 500, Deduct	-27.80		
		For >500 To 1,000, Deduct	-45.96		
		For >1,000, Deduct	-54.81		
21 13 13 00-0058	EA	3/4" NPT Thread, K=8.0, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head	.....235.24	12.29	
		For >25 To 50, Deduct	-2.46		
		For >50 To 100, Deduct	-14.22		
		For >100 To 500, Deduct	-30.63		
		For >500 To 1,000, Deduct	-50.70		
		For >1,000, Deduct	-60.54		
21 13 13 00-0059	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head	.....118.38	11.06	
		For >25 To 50, Deduct	-2.21		
		For >50 To 100, Deduct	-8.13		
		For >100 To 500, Deduct	-15.90		
		For >500 To 1,000, Deduct	-28.83		
		For >1,000, Deduct	-37.68		
21 13 13 00-0060	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head	.....143.17	11.06	
		For >25 To 50, Deduct	-2.21		
		For >50 To 100, Deduct	-9.37		
		For >100 To 500, Deduct	-19.00		
		For >500 To 1,000, Deduct	-33.29		
		For >1,000, Deduct	-42.14		
21 13 13 00-0061	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Brass Wet Pipe Sprinkler Head	.....246.85	11.06	
		For >25 To 50, Deduct	-2.21		
		For >50 To 100, Deduct	-14.56		
		For >100 To 500, Deduct	-31.96		
		For >500 To 1,000, Deduct	-51.96		
		For >1,000, Deduct	-60.81		
21 13 13 00-0062	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Chrome Wet Pipe Sprinkler Head	.....311.47	11.06	
		For >25 To 50, Deduct	-2.21		
		For >50 To 100, Deduct	-17.79		
		For >100 To 500, Deduct	-40.04		
		For >500 To 1,000, Deduct	-63.59		
		For >1,000, Deduct	-72.44		
21 13 13 00-0063	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head	.....148.09	12.29	
		For >25 To 50, Deduct	-2.46		
		For >50 To 100, Deduct	-9.86		
		For >100 To 500, Deduct	-19.74		
		For >500 To 1,000, Deduct	-35.02		
		For >1,000, Deduct	-44.85		
21 13 13 00-0064	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head	.....148.84	12.29	
		For >25 To 50, Deduct	-2.46		
		For >50 To 100, Deduct	-9.90		
		For >100 To 500, Deduct	-19.83		
		For >500 To 1,000, Deduct	-35.15		
		For >1,000, Deduct	-44.98		

21 13 13 00-0065 Conventional Wet Pipe Sprinkler Heads (21 13 13 00-0024)

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0066	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Brass Wet Pipe Sprinkler Head	64.54	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-5.44	
		For >100 To 500, Deduct	-9.17	
		For >500 To 1,000, Deduct	-19.14	
		For >1,000, Deduct	-27.99	
21 13 13 00-0067	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Chrome Wet Pipe Sprinkler Head.....	66.60	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-5.54	
		For >100 To 500, Deduct	-9.43	
		For >500 To 1,000, Deduct	-19.51	
		For >1,000, Deduct	-28.36	
21 13 13 00-0068	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional White Polyester Coated Wet Pipe Sprinkler Head.....	67.92	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-5.61	
		For >100 To 500, Deduct	-9.60	
		For >500 To 1,000, Deduct	-19.75	
		For >1,000, Deduct	-28.60	
21 13 13 00-0069	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Brass Wet Pipe Sprinkler Head	74.58	12.29
		For >25 To 50, Deduct	-2.46	
		For >50 To 100, Deduct	-6.19	
		For >100 To 500, Deduct	-10.55	
		For >500 To 1,000, Deduct	-21.78	
		For >1,000, Deduct	-31.62	
21 13 13 00-0070	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Chrome Wet Pipe Sprinkler Head.....	77.00	12.29
		For >25 To 50, Deduct	-2.46	
		For >50 To 100, Deduct	-6.31	
		For >100 To 500, Deduct	-10.85	
		For >500 To 1,000, Deduct	-22.22	
		For >1,000, Deduct	-32.05	
21 13 13 00-0071	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional White Polyester Coated Wet Pipe Sprinkler Head	77.38	12.29
		For >25 To 50, Deduct	-2.46	
		For >50 To 100, Deduct	-6.33	
		For >100 To 500, Deduct	-10.90	
		For >500 To 1,000, Deduct	-22.29	
		For >1,000, Deduct	-32.12	
21 13 13 00-0072	EA	1/2" NPT Thread, K=5.6, Quick Response, Conventional Stainless Steel Wet Pipe Sprinkler Head	213.55	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-12.89	
		For >100 To 500, Deduct	-27.80	
		For >500 To 1,000, Deduct	-45.96	
		For >1,000, Deduct	-54.81	
21 13 13 00-0073		Pendant Wet Pipe Sprinkler Heads (21 13 13 00-0024) See CSI section 21 13 13 00-0209 for escutcheon for recessed pendant sprinkler head.		
21 13 13 00-0074	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant Brass Wet Pipe Sprinkler Head.....	64.54	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-5.44	
		For >100 To 500, Deduct	-9.17	
		For >500 To 1,000, Deduct	-19.14	
		For >1,000, Deduct	-27.99	
21 13 13 00-0075	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant Chrome Wet Pipe Sprinkler Head	66.60	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-5.54	
		For >100 To 500, Deduct	-9.43	
		For >500 To 1,000, Deduct	-19.51	
		For >1,000, Deduct	-28.36	
21 13 13 00-0076	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant White Polyester Coated Wet Pipe Sprinkler Head	67.92	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-5.61	
		For >100 To 500, Deduct	-9.60	
		For >500 To 1,000, Deduct	-19.75	
		For >1,000, Deduct	-28.60	
21 13 13 00-0077	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendant Brass Wet Pipe Sprinkler Head.....	73.84	12.29
		For >25 To 50, Deduct	-2.46	
		For >50 To 100, Deduct	-6.15	
		For >100 To 500, Deduct	-10.46	
		For >500 To 1,000, Deduct	-21.65	
		For >1,000, Deduct	-31.48	
21 13 13 00-0078	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendant Chrome Wet Pipe Sprinkler Head	77.00	12.29
		For >25 To 50, Deduct	-2.46	
		For >50 To 100, Deduct	-6.31	
		For >100 To 500, Deduct	-10.85	
		For >500 To 1,000, Deduct	-22.22	
		For >1,000, Deduct	-32.05	
21 13 13 00-0079	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendant White Polyester Coated Wet Pipe Sprinkler Head	77.64	12.29
		For >25 To 50, Deduct	-2.46	
		For >50 To 100, Deduct	-6.34	
		For >100 To 500, Deduct	-10.93	
		For >500 To 1,000, Deduct	-22.33	
		For >1,000, Deduct	-32.17	



Fire Suppression			21
Water-Based Fire-Suppression Systems			21 10
Fire-Suppression Sprinkler Systems			21 13

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
21 13 13 00-0080	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent Brass Wet Pipe Sprinkler Head.....	70.51	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-5.74	
		For >100 To 500, Deduct	-9.92	
		For >500 To 1,000, Deduct	-20.21	
		For >1,000, Deduct	-29.06	
21 13 13 00-0081	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent Chrome Wet Pipe Sprinkler Head	72.57	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-5.84	
		For >100 To 500, Deduct	-10.18	
		For >500 To 1,000, Deduct	-20.59	
		For >1,000, Deduct	-29.44	
21 13 13 00-0082	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent White Polyester Coated Wet Pipe Sprinkler Head	72.97	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-5.86	
		For >100 To 500, Deduct	-10.23	
		For >500 To 1,000, Deduct	-20.66	
		For >1,000, Deduct	-29.51	
21 13 13 00-0083	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head.....	70.51	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-5.74	
		For >100 To 500, Deduct	-9.92	
		For >500 To 1,000, Deduct	-20.21	
		For >1,000, Deduct	-29.06	
21 13 13 00-0084	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head	72.57	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-5.84	
		For >100 To 500, Deduct	-10.18	
		For >500 To 1,000, Deduct	-20.59	
		For >1,000, Deduct	-29.44	
21 13 13 00-0085	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head	72.97	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-5.86	
		For >100 To 500, Deduct	-10.23	
		For >500 To 1,000, Deduct	-20.66	
		For >1,000, Deduct	-29.51	
21 13 13 00-0086	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	70.51	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-5.74	
		For >100 To 500, Deduct	-9.92	
		For >500 To 1,000, Deduct	-20.21	
		For >1,000, Deduct	-29.06	
21 13 13 00-0087	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead.....	72.57	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-5.84	
		For >100 To 500, Deduct	-10.18	
		For >500 To 1,000, Deduct	-20.59	
		For >1,000, Deduct	-29.44	
21 13 13 00-0088	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead	72.97	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-5.86	
		For >100 To 500, Deduct	-10.23	
		For >500 To 1,000, Deduct	-20.66	
		For >1,000, Deduct	-29.51	
21 13 13 00-0089	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	64.54	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-5.44	
		For >100 To 500, Deduct	-9.17	
		For >500 To 1,000, Deduct	-19.14	
		For >1,000, Deduct	-27.99	
21 13 13 00-0090	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead.....	66.60	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-5.54	
		For >100 To 500, Deduct	-9.43	
		For >500 To 1,000, Deduct	-19.51	
		For >1,000, Deduct	-28.36	
21 13 13 00-0091	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead	67.92	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-5.61	
		For >100 To 500, Deduct	-9.60	
		For >500 To 1,000, Deduct	-19.75	
		For >1,000, Deduct	-28.60	
21 13 13 00-0092	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head.....	65.58	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-5.49	
		For >100 To 500, Deduct	-9.30	
		For >500 To 1,000, Deduct	-19.33	
		For >1,000, Deduct	-28.18	
21 13 13 00-0093	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head	67.04	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-5.56	
		For >100 To 500, Deduct	-9.49	
		For >500 To 1,000, Deduct	-19.59	
		For >1,000, Deduct	-28.44	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0094	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head	68.37	11.06
			For >25 To 50, Deduct	-2.21	
			For >50 To 100, Deduct	-5.63	
			For >100 To 500, Deduct	-9.65	
			For >500 To 1,000, Deduct	-19.83	
			For >1,000, Deduct	-28.68	
21 13 13 00-0095	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head	75.80	12.29
			For >25 To 50, Deduct	-2.46	
			For >50 To 100, Deduct	-6.25	
			For >100 To 500, Deduct	-10.70	
			For >500 To 1,000, Deduct	-22.00	
			For >1,000, Deduct	-31.84	
21 13 13 00-0096	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head	78.48	12.29
			For >25 To 50, Deduct	-2.46	
			For >50 To 100, Deduct	-6.38	
			For >100 To 500, Deduct	-11.04	
			For >500 To 1,000, Deduct	-22.49	
			For >1,000, Deduct	-32.32	
21 13 13 00-0097	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head	78.48	12.29
			For >25 To 50, Deduct	-2.46	
			For >50 To 100, Deduct	-6.38	
			For >100 To 500, Deduct	-11.04	
			For >500 To 1,000, Deduct	-22.49	
			For >1,000, Deduct	-32.32	
21 13 13 00-0098	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	71.93	11.06
			For >25 To 50, Deduct	-2.21	
			For >50 To 100, Deduct	-5.81	
			For >100 To 500, Deduct	-10.10	
			For >500 To 1,000, Deduct	-20.47	
			For >1,000, Deduct	-29.32	
21 13 13 00-0099	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	74.64	11.06
			For >25 To 50, Deduct	-2.21	
			For >50 To 100, Deduct	-5.94	
			For >100 To 500, Deduct	-10.44	
			For >500 To 1,000, Deduct	-20.96	
			For >1,000, Deduct	-29.81	
21 13 13 00-0100	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	78.69	11.06
			For >25 To 50, Deduct	-2.21	
			For >50 To 100, Deduct	-6.15	
			For >100 To 500, Deduct	-10.94	
			For >500 To 1,000, Deduct	-21.69	
			For >1,000, Deduct	-30.54	
21 13 13 00-0101	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	83.12	11.06
			For >25 To 50, Deduct	-2.21	
			For >50 To 100, Deduct	-6.37	
			For >100 To 500, Deduct	-11.50	
			For >500 To 1,000, Deduct	-22.48	
			For >1,000, Deduct	-31.33	
21 13 13 00-0102	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	78.69	11.06
			For >25 To 50, Deduct	-2.21	
			For >50 To 100, Deduct	-6.15	
			For >100 To 500, Deduct	-10.94	
			For >500 To 1,000, Deduct	-21.69	
			For >1,000, Deduct	-30.54	
21 13 13 00-0103	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	83.12	11.06
			For >25 To 50, Deduct	-2.21	
			For >50 To 100, Deduct	-6.37	
			For >100 To 500, Deduct	-11.50	
			For >500 To 1,000, Deduct	-22.48	
			For >1,000, Deduct	-31.33	
21 13 13 00-0104	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	68.44	11.06
			For >25 To 50, Deduct	-2.21	
			For >50 To 100, Deduct	-5.63	
			For >100 To 500, Deduct	-9.66	
			For >500 To 1,000, Deduct	-19.84	
			For >1,000, Deduct	-28.69	
21 13 13 00-0105	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	70.76	11.06
			For >25 To 50, Deduct	-2.21	
			For >50 To 100, Deduct	-5.75	
			For >100 To 500, Deduct	-9.95	
			For >500 To 1,000, Deduct	-20.26	
			For >1,000, Deduct	-29.11	
21 13 13 00-0106	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	71.98	11.06
			For >25 To 50, Deduct	-2.21	
			For >50 To 100, Deduct	-5.81	
			For >100 To 500, Deduct	-10.10	
			For >500 To 1,000, Deduct	-20.48	
			For >1,000, Deduct	-29.33	



Fire Suppression			21
Water-Based Fire-Suppression Systems			21 10
Fire-Suppression Sprinkler Systems			21 13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0107	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	74.82	12.29
			For >25 To 50, Deduct	-2.46	
			For >50 To 100, Deduct	-6.20	
			For >100 To 500, Deduct	-10.58	
			For >500 To 1,000, Deduct	-21.83	
			For >1,000, Deduct	-31.66	
21 13 13 00-0108	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	77.12	12.29
			For >25 To 50, Deduct	-2.46	
			For >50 To 100, Deduct	-6.31	
			For >100 To 500, Deduct	-10.87	
			For >500 To 1,000, Deduct	-22.24	
			For >1,000, Deduct	-32.07	
21 13 13 00-0109	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	79.34	12.29
			For >25 To 50, Deduct	-2.46	
			For >50 To 100, Deduct	-6.43	
			For >100 To 500, Deduct	-11.15	
			For >500 To 1,000, Deduct	-22.64	
			For >1,000, Deduct	-32.47	
21 13 13 00-0110	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	69.75	11.06
			For >25 To 50, Deduct	-2.21	
			For >50 To 100, Deduct	-5.70	
			For >100 To 500, Deduct	-9.83	
			For >500 To 1,000, Deduct	-20.08	
			For >1,000, Deduct	-28.93	
21 13 13 00-0111	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	72.03	11.06
			For >25 To 50, Deduct	-2.21	
			For >50 To 100, Deduct	-5.81	
			For >100 To 500, Deduct	-10.11	
			For >500 To 1,000, Deduct	-20.49	
			For >1,000, Deduct	-29.34	
21 13 13 00-0112	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	73.27	11.06
			For >25 To 50, Deduct	-2.21	
			For >50 To 100, Deduct	-5.88	
			For >100 To 500, Deduct	-10.27	
			For >500 To 1,000, Deduct	-20.71	
			For >1,000, Deduct	-29.56	
21 13 13 00-0113	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	75.80	12.29
			For >25 To 50, Deduct	-2.46	
			For >50 To 100, Deduct	-6.25	
			For >100 To 500, Deduct	-10.70	
			For >500 To 1,000, Deduct	-22.00	
			For >1,000, Deduct	-31.84	
21 13 13 00-0114	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	78.19	12.29
			For >25 To 50, Deduct	-2.46	
			For >50 To 100, Deduct	-6.37	
			For >100 To 500, Deduct	-11.00	
			For >500 To 1,000, Deduct	-22.43	
			For >1,000, Deduct	-32.27	
21 13 13 00-0115	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	80.50	12.29
			For >25 To 50, Deduct	-2.46	
			For >50 To 100, Deduct	-6.48	
			For >100 To 500, Deduct	-11.29	
			For >500 To 1,000, Deduct	-22.85	
			For >1,000, Deduct	-32.68	
21 13 13 00-0116	EA		1/2" NPT Thread, 1/2" Orifice, Decorative Pendent Chrome Wet Pipe Sprinkler Head.....	105.97	11.06
			For >25 To 50, Deduct	-2.21	
			For >50 To 100, Deduct	-7.51	
			For >100 To 500, Deduct	-14.35	
			For >500 To 1,000, Deduct	-26.60	
			For >1,000, Deduct	-35.45	
21 13 13 00-0117	EA		1/2" NPT Thread, 1/2" Orifice, Decorative Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	105.97	11.06
			For >25 To 50, Deduct	-2.21	
			For >50 To 100, Deduct	-7.51	
			For >100 To 500, Deduct	-14.35	
			For >500 To 1,000, Deduct	-26.60	
			For >1,000, Deduct	-35.45	
21 13 13 00-0118	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	82.35	12.29
			For >25 To 50, Deduct	-2.46	
			For >50 To 100, Deduct	-6.58	
			For >100 To 500, Deduct	-11.52	
			For >500 To 1,000, Deduct	-23.18	
			For >1,000, Deduct	-33.02	
21 13 13 00-0119	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	84.11	12.29
			For >25 To 50, Deduct	-2.46	
			For >50 To 100, Deduct	-6.66	
			For >100 To 500, Deduct	-11.74	
			For >500 To 1,000, Deduct	-23.50	
			For >1,000, Deduct	-33.33	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
21 13 13 00-0120	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	84.11	12.29
		For >25 To 50, Deduct	-2.46	
		For >50 To 100, Deduct	-6.66	
		For >100 To 500, Deduct	-11.74	
		For >500 To 1,000, Deduct	-23.50	
		For >1,000, Deduct	-33.33	
21 13 13 00-0121	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	79.97	12.29
		For >25 To 50, Deduct	-2.46	
		For >50 To 100, Deduct	-6.46	
		For >100 To 500, Deduct	-11.23	
		For >500 To 1,000, Deduct	-22.75	
		For >1,000, Deduct	-32.59	
21 13 13 00-0122	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	81.60	12.29
		For >25 To 50, Deduct	-2.46	
		For >50 To 100, Deduct	-6.54	
		For >100 To 500, Deduct	-11.43	
		For >500 To 1,000, Deduct	-23.05	
		For >1,000, Deduct	-32.88	
21 13 13 00-0123	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	81.60	12.29
		For >25 To 50, Deduct	-2.46	
		For >50 To 100, Deduct	-6.54	
		For >100 To 500, Deduct	-11.43	
		For >500 To 1,000, Deduct	-23.05	
		For >1,000, Deduct	-32.88	
21 13 13 00-0124	EA	1/2" NPT Thread, K=5.6, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	213.55	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-12.89	
		For >100 To 500, Deduct	-27.80	
		For >500 To 1,000, Deduct	-45.96	
		For >1,000, Deduct	-54.81	
21 13 13 00-0125	EA	3/4" NPT Thread, K=8.0, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	235.24	12.29
		For >25 To 50, Deduct	-2.46	
		For >50 To 100, Deduct	-14.22	
		For >100 To 500, Deduct	-30.63	
		For >500 To 1,000, Deduct	-50.70	
		For >1,000, Deduct	-60.54	
21 13 13 00-0126	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	118.38	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-8.13	
		For >100 To 500, Deduct	-15.90	
		For >500 To 1,000, Deduct	-28.83	
		For >1,000, Deduct	-37.68	
21 13 13 00-0127	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head	143.17	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-9.37	
		For >100 To 500, Deduct	-19.00	
		For >500 To 1,000, Deduct	-33.29	
		For >1,000, Deduct	-42.14	
21 13 13 00-0128	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Brass Wet Pipe Sprinkler Head	246.85	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-14.56	
		For >100 To 500, Deduct	-31.96	
		For >500 To 1,000, Deduct	-51.96	
		For >1,000, Deduct	-60.81	
21 13 13 00-0129	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Chrome Wet Pipe Sprinkler Head	311.47	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-17.79	
		For >100 To 500, Deduct	-40.04	
		For >500 To 1,000, Deduct	-63.59	
		For >1,000, Deduct	-72.44	
21 13 13 00-0130	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	148.09	12.29
		For >25 To 50, Deduct	-2.46	
		For >50 To 100, Deduct	-9.86	
		For >100 To 500, Deduct	-19.74	
		For >500 To 1,000, Deduct	-35.02	
		For >1,000, Deduct	-44.85	
21 13 13 00-0131	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head	148.84	12.29
		For >25 To 50, Deduct	-2.46	
		For >50 To 100, Deduct	-9.90	
		For >100 To 500, Deduct	-19.83	
		For >500 To 1,000, Deduct	-35.15	
		For >1,000, Deduct	-44.98	
21 13 13 00-0132		Sidewall Wet Pipe Sprinkler Heads (21 13 13 00-0024)		
21 13 13 00-0133		Horizontal Sidewall Wet-Pipe Sprinkler Heads (21 13 13 00-0132)		
21 13 13 00-0134	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	67.63	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-5.59	
		For >100 To 500, Deduct	-9.56	
		For >500 To 1,000, Deduct	-19.70	
		For >1,000, Deduct	-28.55	



Fire Suppression			21
Water-Based Fire-Suppression Systems			21 10
Fire-Suppression Sprinkler Systems			21 13

MINOR			TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION			UNIT COST	UNIT COST
21 13 13 00-0135	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	69.28	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-5.68	
		For >100 To 500, Deduct	-9.77	
		For >500 To 1,000, Deduct	-19.99	
		For >1,000, Deduct	-28.84	
21 13 13 00-0136	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall White Polyester Coated Wet Pipe Sprinkler Head	71.90	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-5.81	
		For >100 To 500, Deduct	-10.09	
		For >500 To 1,000, Deduct	-20.46	
		For >1,000, Deduct	-29.31	
21 13 13 00-0137	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	68.56	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-5.64	
		For >100 To 500, Deduct	-9.68	
		For >500 To 1,000, Deduct	-19.86	
		For >1,000, Deduct	-28.71	
21 13 13 00-0138	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	70.25	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-5.73	
		For >100 To 500, Deduct	-9.89	
		For >500 To 1,000, Deduct	-20.17	
		For >1,000, Deduct	-29.02	
21 13 13 00-0139	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall White Wet Pipe Sprinkler Head	72.91	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-5.86	
		For >100 To 500, Deduct	-10.22	
		For >500 To 1,000, Deduct	-20.65	
		For >1,000, Deduct	-29.50	
21 13 13 00-0140	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	74.64	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-5.94	
		For >100 To 500, Deduct	-10.44	
		For >500 To 1,000, Deduct	-20.96	
		For >1,000, Deduct	-29.81	
21 13 13 00-0141	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	77.33	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-6.08	
		For >100 To 500, Deduct	-10.77	
		For >500 To 1,000, Deduct	-21.44	
		For >1,000, Deduct	-30.29	
21 13 13 00-0142	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	80.93	12.29
		For >25 To 50, Deduct	-2.46	
		For >50 To 100, Deduct	-6.51	
		For >100 To 500, Deduct	-11.35	
		For >500 To 1,000, Deduct	-22.93	
		For >1,000, Deduct	-32.76	
21 13 13 00-0143	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	84.96	12.29
		For >25 To 50, Deduct	-2.46	
		For >50 To 100, Deduct	-6.71	
		For >100 To 500, Deduct	-11.85	
		For >500 To 1,000, Deduct	-23.65	
		For >1,000, Deduct	-33.49	
21 13 13 00-0144	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	80.45	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-6.24	
		For >100 To 500, Deduct	-11.16	
		For >500 To 1,000, Deduct	-22.00	
		For >1,000, Deduct	-30.85	
21 13 13 00-0145	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	83.12	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-6.37	
		For >100 To 500, Deduct	-11.50	
		For >500 To 1,000, Deduct	-22.48	
		For >1,000, Deduct	-31.33	
21 13 13 00-0146	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	80.45	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-6.24	
		For >100 To 500, Deduct	-11.16	
		For >500 To 1,000, Deduct	-22.00	
		For >1,000, Deduct	-30.85	
21 13 13 00-0147	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	83.12	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-6.37	
		For >100 To 500, Deduct	-11.50	
		For >500 To 1,000, Deduct	-22.48	
		For >1,000, Deduct	-31.33	
21 13 13 00-0148	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	66.22	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-5.52	
		For >100 To 500, Deduct	-9.38	
		For >500 To 1,000, Deduct	-19.44	
		For >1,000, Deduct	-28.29	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0149	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	67.59	11.06
			For >25 To 50, Deduct	-2.21	
			For >50 To 100, Deduct	-5.59	
			For >100 To 500, Deduct	-9.56	
			For >500 To 1,000, Deduct	-19.69	
			For >1,000, Deduct	-28.54	
21 13 13 00-0150	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	69.29	11.06
			For >25 To 50, Deduct	-2.21	
			For >50 To 100, Deduct	-5.68	
			For >100 To 500, Deduct	-9.77	
			For >500 To 1,000, Deduct	-19.99	
			For >1,000, Deduct	-28.64	
21 13 13 00-0151	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	72.74	12.29
			For >25 To 50, Deduct	-2.46	
			For >50 To 100, Deduct	-6.10	
			For >100 To 500, Deduct	-10.32	
			For >500 To 1,000, Deduct	-21.45	
			For >1,000, Deduct	-31.29	
21 13 13 00-0152	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	74.21	12.29
			For >25 To 50, Deduct	-2.46	
			For >50 To 100, Deduct	-6.17	
			For >100 To 500, Deduct	-10.51	
			For >500 To 1,000, Deduct	-21.72	
			For >1,000, Deduct	-31.55	
21 13 13 00-0153	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	75.79	12.29
			For >25 To 50, Deduct	-2.46	
			For >50 To 100, Deduct	-6.25	
			For >100 To 500, Deduct	-10.70	
			For >500 To 1,000, Deduct	-22.00	
			For >1,000, Deduct	-31.84	
21 13 13 00-0154	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	73.90	12.29
			For >25 To 50, Deduct	-2.46	
			For >50 To 100, Deduct	-6.15	
			For >100 To 500, Deduct	-10.47	
			For >500 To 1,000, Deduct	-21.66	
			For >1,000, Deduct	-31.49	
21 13 13 00-0155	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	75.43	12.29
			For >25 To 50, Deduct	-2.46	
			For >50 To 100, Deduct	-6.23	
			For >100 To 500, Deduct	-10.66	
			For >500 To 1,000, Deduct	-21.94	
			For >1,000, Deduct	-31.77	
21 13 13 00-0156	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	77.07	12.29
			For >25 To 50, Deduct	-2.46	
			For >50 To 100, Deduct	-6.31	
			For >100 To 500, Deduct	-10.86	
			For >500 To 1,000, Deduct	-22.23	
			For >1,000, Deduct	-32.07	
21 13 13 00-0157	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	77.10	12.29
			For >25 To 50, Deduct	-2.46	
			For >50 To 100, Deduct	-6.31	
			For >100 To 500, Deduct	-10.87	
			For >500 To 1,000, Deduct	-22.24	
			For >1,000, Deduct	-32.07	
21 13 13 00-0158	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	79.35	12.29
			For >25 To 50, Deduct	-2.46	
			For >50 To 100, Deduct	-6.43	
			For >100 To 500, Deduct	-11.15	
			For >500 To 1,000, Deduct	-22.64	
			For >1,000, Deduct	-32.48	
21 13 13 00-0159	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	79.35	12.29
			For >25 To 50, Deduct	-2.46	
			For >50 To 100, Deduct	-6.43	
			For >100 To 500, Deduct	-11.15	
			For >500 To 1,000, Deduct	-22.64	
			For >1,000, Deduct	-32.48	
21 13 13 00-0160	EA		1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	120.88	11.06
			For >25 To 50, Deduct	-2.21	
			For >50 To 100, Deduct	-8.26	
			For >100 To 500, Deduct	-16.22	
			For >500 To 1,000, Deduct	-29.28	
			For >1,000, Deduct	-38.13	
21 13 13 00-0161	EA		1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall White Wet Pipe Sprinkler Head	120.88	11.06
			For >25 To 50, Deduct	-2.21	
			For >50 To 100, Deduct	-8.26	
			For >100 To 500, Deduct	-16.22	
			For >500 To 1,000, Deduct	-29.28	
			For >1,000, Deduct	-38.13	



Fire Suppression			21
Water-Based Fire-Suppression Systems			21 10
Fire-Suppression Sprinkler Systems			21 13

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
21 13 13 00-0162	EA	1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Brass Wet Pipe Sprinkler Head	66.79	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-5.55	
		For >100 To 500, Deduct	-9.46	
		For >500 To 1,000, Deduct	-19.54	
		For >1,000, Deduct	-28.39	
21 13 13 00-0163	EA	1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	66.79	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-5.55	
		For >100 To 500, Deduct	-9.46	
		For >500 To 1,000, Deduct	-19.54	
		For >1,000, Deduct	-28.39	
21 13 13 00-0164	EA	1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall White Wet Pipe Sprinkler Head	66.79	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-5.55	
		For >100 To 500, Deduct	-9.46	
		For >500 To 1,000, Deduct	-19.54	
		For >1,000, Deduct	-28.39	
21 13 13 00-0165 Vertical Sidewall Wet-Pipe Sprinkler Heads (21 13 13 00-0132)				
21 13 13 00-0166	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Brass Wet Pipe Sprinkler Head	69.77	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-5.70	
		For >100 To 500, Deduct	-9.83	
		For >500 To 1,000, Deduct	-20.08	
		For >1,000, Deduct	-28.93	
21 13 13 00-0167	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Chrome Wet Pipe Sprinkler Head	71.84	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-5.80	
		For >100 To 500, Deduct	-10.09	
		For >500 To 1,000, Deduct	-20.45	
		For >1,000, Deduct	-29.30	
21 13 13 00-0168	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall White Wet Pipe Sprinkler Head	72.72	11.06
		For >25 To 50, Deduct	-2.21	
		For >50 To 100, Deduct	-5.85	
		For >100 To 500, Deduct	-10.20	
		For >500 To 1,000, Deduct	-20.61	
		For >1,000, Deduct	-29.46	
21 13 13 00-0169 Concealed Wet Pipe Sprinkler Heads (21 13 13 00-0024)				
21 13 13 00-0170 Concealed Pendant Wet-Pipe Sprinkler Heads (21 13 13 00-0169)				
21 13 13 00-0171	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head, Low Lead	99.59	14.75
		Note: Excludes coverplate		
		For >25 To 50, Deduct	-2.95	
		For >50 To 100, Deduct	-7.93	
		For >100 To 500, Deduct	-13.92	
		For >500 To 1,000, Deduct	-27.96	
		For >1,000, Deduct	-39.76	
21 13 13 00-0172	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head	75.36	14.75
		Note: Excludes coverplate		
		For >25 To 50, Deduct	-2.95	
		For >50 To 100, Deduct	-6.72	
		For >100 To 500, Deduct	-10.90	
		For >500 To 1,000, Deduct	-23.59	
		For >1,000, Deduct	-35.39	
21 13 13 00-0173	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Concealed Pendent Brass Wet Pipe Sprinkler Head	76.25	14.75
		Note: Excludes coverplate		
		For >25 To 50, Deduct	-2.95	
		For >50 To 100, Deduct	-6.76	
		For >100 To 500, Deduct	-11.01	
		For >500 To 1,000, Deduct	-23.76	
		For >1,000, Deduct	-35.56	
21 13 13 00-0174	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Concealed Pendent Brass Wet Pipe Sprinkler Head	93.18	15.98
		Note: Excludes coverplate		
		For >25 To 50, Deduct	-3.20	
		For >50 To 100, Deduct	-7.86	
		For >100 To 500, Deduct	-13.25	
		For >500 To 1,000, Deduct	-27.64	
		For >1,000, Deduct	-40.42	
21 13 13 00-0175	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Concealed Pendent Brass Wet Pipe Sprinkler Head	88.26	14.75
		Note: Excludes coverplate		
		For >25 To 50, Deduct	-2.95	
		For >50 To 100, Deduct	-7.36	
		For >100 To 500, Deduct	-12.51	
		For >500 To 1,000, Deduct	-25.92	
		For >1,000, Deduct	-37.72	
21 13 13 00-0176	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Concealed Pendent Brass Wet Pipe Sprinkler Head	88.26	14.75
		Note: Excludes coverplate		
		For >25 To 50, Deduct	-2.95	
		For >50 To 100, Deduct	-7.36	
		For >100 To 500, Deduct	-12.51	
		For >500 To 1,000, Deduct	-25.92	
		For >1,000, Deduct	-37.72	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0177	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	93.18	15.98
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-3.20	
			For >50 To 100, Deduct	-7.86	
			For >100 To 500, Deduct	-13.25	
			For >500 To 1,000, Deduct	-27.64	
			For >1,000, Deduct	-40.42	
21 13 13 00-0178	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	82.59	14.75
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-7.08	
			For >100 To 500, Deduct	-11.80	
			For >500 To 1,000, Deduct	-24.90	
			For >1,000, Deduct	-36.70	
21 13 13 00-0179	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	88.26	14.75
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-7.36	
			For >100 To 500, Deduct	-12.51	
			For >500 To 1,000, Deduct	-25.92	
			For >1,000, Deduct	-37.72	
21 13 13 00-0180	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	88.26	14.75
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-7.36	
			For >100 To 500, Deduct	-12.51	
			For >500 To 1,000, Deduct	-25.92	
			For >1,000, Deduct	-37.72	
21 13 13 00-0181	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	83.93	14.75
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-7.15	
			For >100 To 500, Deduct	-11.97	
			For >500 To 1,000, Deduct	-25.14	
			For >1,000, Deduct	-36.94	
21 13 13 00-0182	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Adjustable Concealed Pendent Brass Wet Pipe Sprinkler Head	131.88	17.21
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-3.44	
			For >50 To 100, Deduct	-10.04	
			For >100 To 500, Deduct	-18.21	
			For >500 To 1,000, Deduct	-35.44	
			For >1,000, Deduct	-49.21	
21 13 13 00-0183	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	79.77	14.75
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-6.94	
			For >100 To 500, Deduct	-11.45	
			For >500 To 1,000, Deduct	-24.39	
			For >1,000, Deduct	-36.19	
21 13 13 00-0184	EA		3/4" NPT Thread, 17/32" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	84.32	15.98
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-3.20	
			For >50 To 100, Deduct	-7.41	
			For >100 To 500, Deduct	-12.14	
			For >500 To 1,000, Deduct	-26.04	
			For >1,000, Deduct	-38.83	
21 13 13 00-0185	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	80.56	14.75
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-6.98	
			For >100 To 500, Deduct	-11.55	
			For >500 To 1,000, Deduct	-24.53	
			For >1,000, Deduct	-36.33	
21 13 13 00-0186	EA		3/4" NPT Thread, 17/32" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	85.48	15.98
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-3.20	
			For >50 To 100, Deduct	-7.47	
			For >100 To 500, Deduct	-12.28	
			For >500 To 1,000, Deduct	-26.25	
			For >1,000, Deduct	-39.04	
21 13 13 00-0187	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	93.55	15.98
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-3.20	
			For >50 To 100, Deduct	-7.87	
			For >100 To 500, Deduct	-13.29	
			For >500 To 1,000, Deduct	-27.71	
			For >1,000, Deduct	-40.49	



Fire Suppression			21
Water-Based Fire-Suppression Systems			21 10
Fire-Suppression Sprinkler Systems			21 13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0188	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable Chrome Coverplate.....	150.27	17.21
			For >25 To 50, Deduct	-3.44	
			For >50 To 100, Deduct	-10.96	
			For >100 To 500, Deduct	-20.50	
			For >500 To 1,000, Deduct	-38.75	
			For >1,000, Deduct	-52.52	
21 13 13 00-0189	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable White Coverplate.....	150.27	17.21
			For >25 To 50, Deduct	-3.44	
			For >50 To 100, Deduct	-10.96	
			For >100 To 500, Deduct	-20.50	
			For >500 To 1,000, Deduct	-38.75	
			For >1,000, Deduct	-52.52	
21 13 13 00-0190			Concealed Horizontal Side Wall Wet-Pipe Sprinkler Heads (21 13 13 00-0169)		
21 13 13 00-0191	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	106.33	14.75
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-8.27	
			For >100 To 500, Deduct	-14.77	
			For >500 To 1,000, Deduct	-29.17	
			For >1,000, Deduct	-40.97	
21 13 13 00-0192	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	119.14	15.98
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-3.20	
			For >50 To 100, Deduct	-9.15	
			For >100 To 500, Deduct	-16.49	
			For >500 To 1,000, Deduct	-32.31	
			For >1,000, Deduct	-45.10	
21 13 13 00-0193	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	86.63	14.75
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-7.28	
			For >100 To 500, Deduct	-12.30	
			For >500 To 1,000, Deduct	-25.62	
			For >1,000, Deduct	-37.42	
21 13 13 00-0194	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	88.55	15.98
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-3.20	
			For >50 To 100, Deduct	-7.62	
			For >100 To 500, Deduct	-12.67	
			For >500 To 1,000, Deduct	-26.81	
			For >1,000, Deduct	-39.59	
21 13 13 00-0195			Institutional Tamper Resistant Wet Pipe Sprinkler Heads (21 13 13 00-0024)		
21 13 13 00-0196	EA		1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head.....	232.49	12.29
			Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
			For >25 To 50, Deduct	-2.46	
			For >50 To 100, Deduct	-14.08	
			For >100 To 500, Deduct	-30.29	
			For >500 To 1,000, Deduct	-50.21	
			For >1,000, Deduct	-60.04	
21 13 13 00-0197	EA		1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	227.19	12.29
			Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
			For >25 To 50, Deduct	-2.46	
			For >50 To 100, Deduct	-13.82	
			For >100 To 500, Deduct	-29.63	
			For >500 To 1,000, Deduct	-49.25	
			For >1,000, Deduct	-59.09	
21 13 13 00-0198	EA		1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head.....	105.22	12.29
			For >25 To 50, Deduct	-2.46	
			For >50 To 100, Deduct	-7.72	
			For >100 To 500, Deduct	-14.38	
			For >500 To 1,000, Deduct	-27.30	
			For >1,000, Deduct	-37.13	
21 13 13 00-0199	EA		1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	116.21	12.29
			For >25 To 50, Deduct	-2.46	
			For >50 To 100, Deduct	-8.27	
			For >100 To 500, Deduct	-15.76	
			For >500 To 1,000, Deduct	-29.28	
			For >1,000, Deduct	-39.11	
21 13 13 00-0200			Wet Pipe Sprinkler Head Accessories (21 13 13 00-0011)		
21 13 13 00-0201			Sprinkler Adjustable Steel Drop Nipple (21 13 13 00-0200)		

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0202	EA		1" Male NPT x 1/2" Female NPT x 4.125" Minimum Length To 5.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M1.150).....	41.81	12.39
			For >25 To 50, Deduct	-1.03	
			For >50 To 100, Deduct	-3.12	
			For >100 To 500, Deduct	-5.74	
			For >500 To 1,000, Deduct	-11.04	
			For >1,000, Deduct	-15.17	
21 13 13 00-0203	EA		1" Male NPT x 1/2" Female NPT x 6.125" Minimum Length To 9.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M3.150).....	41.81	12.39
			For >25 To 50, Deduct	-1.03	
			For >50 To 100, Deduct	-3.12	
			For >100 To 500, Deduct	-5.74	
			For >500 To 1,000, Deduct	-11.04	
			For >1,000, Deduct	-15.17	
21 13 13 00-0204	EA		1" Male NPT x 1/2" Female NPT x 7.875" Minimum Length To 10.875" Maximum Length, Adjustable Steel Drop Nipple (Anvil ME3.150).....	42.24	12.39
			For >25 To 50, Deduct	-1.03	
			For >50 To 100, Deduct	-3.15	
			For >100 To 500, Deduct	-5.80	
			For >500 To 1,000, Deduct	-11.12	
			For >1,000, Deduct	-15.25	
21 13 13 00-0205	EA		1" Female NPT x 1/2" Female NPT x 3.5" Minimum Length To 4.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F1.150).....	37.79	12.39
			For >25 To 50, Deduct	-1.03	
			For >50 To 100, Deduct	-2.92	
			For >100 To 500, Deduct	-5.24	
			For >500 To 1,000, Deduct	-10.31	
			For >1,000, Deduct	-14.45	
21 13 13 00-0206	EA		1" Female NPT x 1/2" Female NPT x 4.5" Minimum Length To 6.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F2.150).....	37.79	12.39
			For >25 To 50, Deduct	-1.03	
			For >50 To 100, Deduct	-2.92	
			For >100 To 500, Deduct	-5.24	
			For >500 To 1,000, Deduct	-10.31	
			For >1,000, Deduct	-14.45	
21 13 13 00-0207	EA		1" Female NPT x 1/2" Female NPT x 5.5" Minimum Length To 8.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.150).....	37.79	12.39
			For >25 To 50, Deduct	-1.03	
			For >50 To 100, Deduct	-2.92	
			For >100 To 500, Deduct	-5.24	
			For >500 To 1,000, Deduct	-10.31	
			For >1,000, Deduct	-14.45	
21 13 13 00-0208	EA		1" Female NPT x 3/4" Female NPT x 7.35" Minimum Length To 10.35" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.175).....	42.09	13.48
			For >25 To 50, Deduct	-1.12	
			For >50 To 100, Deduct	-3.23	
			For >100 To 500, Deduct	-5.82	
			For >500 To 1,000, Deduct	-11.39	
			For >1,000, Deduct	-15.89	
21 13 13 00-0209			Sprinkler Head Escutcheon (21 13 13 00-0200)		
21 13 13 00-0210	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon.....	16.04	4.43
			For >25 To 50, Deduct	-0.37	
			For >50 To 100, Deduct	-1.17	
			For >100 To 500, Deduct	-2.19	
			For >500 To 1,000, Deduct	-4.14	
			For >1,000, Deduct	-5.61	
21 13 13 00-0211	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon.....	11.66	4.43
			For >25 To 50, Deduct	-0.37	
			For >50 To 100, Deduct	-0.95	
			For >100 To 500, Deduct	-1.64	
			For >500 To 1,000, Deduct	-3.35	
			For >1,000, Deduct	-4.83	
21 13 13 00-0212	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon.....	11.66	4.43
			For >25 To 50, Deduct	-0.37	
			For >50 To 100, Deduct	-0.95	
			For >100 To 500, Deduct	-1.64	
			For >500 To 1,000, Deduct	-3.35	
			For >1,000, Deduct	-4.83	
21 13 13 00-0213	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon.....	16.04	4.43
			For >25 To 50, Deduct	-0.37	
			For >50 To 100, Deduct	-1.17	
			For >100 To 500, Deduct	-2.19	
			For >500 To 1,000, Deduct	-4.14	
			For >1,000, Deduct	-5.61	
21 13 13 00-0214	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon.....	11.66	4.43
			For >25 To 50, Deduct	-0.37	
			For >50 To 100, Deduct	-0.95	
			For >100 To 500, Deduct	-1.64	
			For >500 To 1,000, Deduct	-3.35	
			For >1,000, Deduct	-4.83	



Fire Suppression			21
Water-Based Fire-Suppression Systems			21 10
Fire-Suppression Sprinkler Systems			21 13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0215	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon	11.66	4.43
			For >25 To 50, Deduct	-0.37	
			For >50 To 100, Deduct	-0.95	
			For >100 To 500, Deduct	-1.64	
			For >500 To 1,000, Deduct	-3.35	
			For >1,000, Deduct	-4.83	
21 13 13 00-0216	EA		2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon	15.25	4.43
			For >25 To 50, Deduct	-0.37	
			For >50 To 100, Deduct	-1.13	
			For >100 To 500, Deduct	-2.09	
			For >500 To 1,000, Deduct	-4.00	
			For >1,000, Deduct	-5.47	
21 13 13 00-0217	EA		2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	11.66	4.43
			For >25 To 50, Deduct	-0.37	
			For >50 To 100, Deduct	-0.95	
			For >100 To 500, Deduct	-1.64	
			For >500 To 1,000, Deduct	-3.35	
			For >1,000, Deduct	-4.83	
21 13 13 00-0218	EA		2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon	11.66	4.43
			For >25 To 50, Deduct	-0.37	
			For >50 To 100, Deduct	-0.95	
			For >100 To 500, Deduct	-1.64	
			For >500 To 1,000, Deduct	-3.35	
			For >1,000, Deduct	-4.83	
21 13 13 00-0219	EA		2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon	15.25	4.43
			For >25 To 50, Deduct	-0.37	
			For >50 To 100, Deduct	-1.13	
			For >100 To 500, Deduct	-2.09	
			For >500 To 1,000, Deduct	-4.00	
			For >1,000, Deduct	-5.47	
21 13 13 00-0220	EA		2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	11.66	4.43
			For >25 To 50, Deduct	-0.37	
			For >50 To 100, Deduct	-0.95	
			For >100 To 500, Deduct	-1.64	
			For >500 To 1,000, Deduct	-3.35	
			For >1,000, Deduct	-4.83	
21 13 13 00-0221	EA		2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon	11.66	4.43
			For >25 To 50, Deduct	-0.37	
			For >50 To 100, Deduct	-0.95	
			For >100 To 500, Deduct	-1.64	
			For >500 To 1,000, Deduct	-3.35	
			For >1,000, Deduct	-4.83	
21 13 13 00-0222	EA		3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off Chrome Sprinkler Head Recessed Escutcheon	15.64	4.43
			For >25 To 50, Deduct	-0.37	
			For >50 To 100, Deduct	-1.15	
			For >100 To 500, Deduct	-2.14	
			For >500 To 1,000, Deduct	-4.07	
			For >1,000, Deduct	-5.54	
21 13 13 00-0223	EA		3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off White Sprinkler Head Recessed Escutcheon	15.64	4.43
			For >25 To 50, Deduct	-0.37	
			For >50 To 100, Deduct	-1.15	
			For >100 To 500, Deduct	-2.14	
			For >500 To 1,000, Deduct	-4.07	
			For >1,000, Deduct	-5.54	
21 13 13 00-0224	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Brass Sprinkler Head Escutcheon	6.66	3.25
			For >25 To 50, Deduct	-0.25	
			For >50 To 100, Deduct	-0.58	
			For >100 To 500, Deduct	-0.96	
			For >500 To 1,000, Deduct	-2.03	
			For >1,000, Deduct	-3.02	
21 13 13 00-0225	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	6.11	3.25
			For >25 To 50, Deduct	-0.25	
			For >50 To 100, Deduct	-0.55	
			For >100 To 500, Deduct	-0.89	
			For >500 To 1,000, Deduct	-1.93	
			For >1,000, Deduct	-2.92	
21 13 13 00-0226	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon	6.26	3.25
			For >25 To 50, Deduct	-0.25	
			For >50 To 100, Deduct	-0.56	
			For >100 To 500, Deduct	-0.91	
			For >500 To 1,000, Deduct	-1.96	
			For >1,000, Deduct	-2.94	
21 13 13 00-0227	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Brass Sprinkler Head Escutcheon	6.76	3.25
			For >25 To 50, Deduct	-0.25	
			For >50 To 100, Deduct	-0.58	
			For >100 To 500, Deduct	-0.97	
			For >500 To 1,000, Deduct	-2.05	
			For >1,000, Deduct	-3.03	
21 13 13 00-0228	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Chrome Sprinkler Head Escutcheon	6.21	3.25
			For >25 To 50, Deduct	-0.25	
			For >50 To 100, Deduct	-0.56	
			For >100 To 500, Deduct	-0.90	
			For >500 To 1,000, Deduct	-1.95	
			For >1,000, Deduct	-2.93	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0229	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, White Sprinkler Head Escutcheon	6.21	3.25
			For >25 To 50, Deduct	-0.25	
			For >50 To 100, Deduct	-0.56	
			For >100 To 500, Deduct	-0.90	
			For >500 To 1,000, Deduct	-1.95	
			For >1,000, Deduct	-2.93	
21 13 13 00-0230	EA		2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Bright Brass Sprinkler Head Escutcheon.....	7.33	3.25
			For >25 To 50, Deduct	-0.25	
			For >50 To 100, Deduct	-0.61	
			For >100 To 500, Deduct	-1.04	
			For >500 To 1,000, Deduct	-2.15	
			For >1,000, Deduct	-3.14	
21 13 13 00-0231	EA		2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon.....	6.20	3.25
			For >25 To 50, Deduct	-0.25	
			For >50 To 100, Deduct	-0.56	
			For >100 To 500, Deduct	-0.90	
			For >500 To 1,000, Deduct	-1.95	
			For >1,000, Deduct	-2.93	
21 13 13 00-0232	EA		2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon	6.20	3.25
			For >25 To 50, Deduct	-0.25	
			For >50 To 100, Deduct	-0.56	
			For >100 To 500, Deduct	-0.90	
			For >500 To 1,000, Deduct	-1.95	
			For >1,000, Deduct	-2.93	
21 13 13 00-0233	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Telescoping Escutcheon	9.94	4.54
			For >25 To 50, Deduct	-0.34	
			For >50 To 100, Deduct	-0.84	
			For >100 To 500, Deduct	-1.41	
			For >500 To 1,000, Deduct	-2.96	
			For >1,000, Deduct	-4.33	
21 13 13 00-0234	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Telescoping Escutcheon	9.63	4.54
			For >25 To 50, Deduct	-0.34	
			For >50 To 100, Deduct	-0.83	
			For >100 To 500, Deduct	-1.38	
			For >500 To 1,000, Deduct	-2.90	
			For >1,000, Deduct	-4.28	
21 13 13 00-0235	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, White Sprinkler Head Telescoping Escutcheon	9.74	4.54
			For >25 To 50, Deduct	-0.34	
			For >50 To 100, Deduct	-0.83	
			For >100 To 500, Deduct	-1.39	
			For >500 To 1,000, Deduct	-2.92	
			For >1,000, Deduct	-4.30	
21 13 13 00-0236	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Telescoping Escutcheon	10.04	4.54
			For >25 To 50, Deduct	-0.34	
			For >50 To 100, Deduct	-0.85	
			For >100 To 500, Deduct	-1.43	
			For >500 To 1,000, Deduct	-2.98	
			For >1,000, Deduct	-4.35	
21 13 13 00-0237	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Telescoping Escutcheon	9.74	4.54
			For >25 To 50, Deduct	-0.34	
			For >50 To 100, Deduct	-0.83	
			For >100 To 500, Deduct	-1.39	
			For >500 To 1,000, Deduct	-2.92	
			For >1,000, Deduct	-4.30	
21 13 13 00-0238	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, White Sprinkler Head Telescoping Escutcheon	9.94	4.54
			For >25 To 50, Deduct	-0.34	
			For >50 To 100, Deduct	-0.84	
			For >100 To 500, Deduct	-1.41	
			For >500 To 1,000, Deduct	-2.96	
			For >1,000, Deduct	-4.33	
21 13 13 00-0239	EA		Flat Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	19.25	4.43
			For >25 To 50, Deduct	-0.37	
			For >50 To 100, Deduct	-1.33	
			For >100 To 500, Deduct	-2.59	
			For >500 To 1,000, Deduct	-4.72	
			For >1,000, Deduct	-6.19	
21 13 13 00-0240	EA		Flat White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	19.25	4.43
			For >25 To 50, Deduct	-0.37	
			For >50 To 100, Deduct	-1.33	
			For >100 To 500, Deduct	-2.59	
			For >500 To 1,000, Deduct	-4.72	
			For >1,000, Deduct	-6.19	
21 13 13 00-0241	EA		Conical Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	19.25	4.43
			For >25 To 50, Deduct	-0.37	
			For >50 To 100, Deduct	-1.33	
			For >100 To 500, Deduct	-2.59	
			For >500 To 1,000, Deduct	-4.72	
			For >1,000, Deduct	-6.19	



		Fire Suppression	21
		Water-Based Fire-Suppression Systems	21 10
		Fire-Suppression Sprinkler Systems	21 13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0242	EA		Conical White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	19.25	4.43
			For >25 To 50, Deduct	-0.37	
			For >50 To 100, Deduct	-1.33	
			For >100 To 500, Deduct	-2.59	
			For >500 To 1,000, Deduct	-4.72	
			For >1,000, Deduct	-6.19	
21 13 13 00-0243	EA		Chrome Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head.....	19.25	4.43
			For >25 To 50, Deduct	-0.37	
			For >50 To 100, Deduct	-1.33	
			For >100 To 500, Deduct	-2.59	
			For >500 To 1,000, Deduct	-4.72	
			For >1,000, Deduct	-6.19	
21 13 13 00-0244	EA		White Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	19.25	4.43
			For >25 To 50, Deduct	-0.37	
			For >50 To 100, Deduct	-1.33	
			For >100 To 500, Deduct	-2.59	
			For >500 To 1,000, Deduct	-4.72	
			For >1,000, Deduct	-6.19	
21 13 13 00-0245	EA		2-Piece Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	21.97	4.43
			For >25 To 50, Deduct	-0.37	
			For >50 To 100, Deduct	-1.47	
			For >100 To 500, Deduct	-2.93	
			For >500 To 1,000, Deduct	-5.21	
			For >1,000, Deduct	-6.68	
21 13 13 00-0246	EA		2-Piece White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	22.60	4.43
			For >25 To 50, Deduct	-0.37	
			For >50 To 100, Deduct	-1.50	
			For >100 To 500, Deduct	-3.01	
			For >500 To 1,000, Deduct	-5.32	
			For >1,000, Deduct	-6.79	
21 13 13 00-0247 Coverplate For Sprinkler Heads (21 13 13 00-0200)					
21 13 13 00-0248	EA		Chrome Coverplate For Concealed Pendent Sprinkler Head	43.68	5.01
			For >25 To 50, Deduct	-0.42	
			For >50 To 100, Deduct	-2.60	
			For >100 To 500, Deduct	-5.67	
			For >500 To 1,000, Deduct	-9.28	
			For >1,000, Deduct	-10.96	
21 13 13 00-0249	EA		White Coverplate For Concealed Pendent Sprinkler Head	22.12	5.01
			For >25 To 50, Deduct	-0.42	
			For >50 To 100, Deduct	-1.52	
			For >100 To 500, Deduct	-2.97	
			For >500 To 1,000, Deduct	-5.40	
			For >1,000, Deduct	-7.07	
21 13 13 00-0250	EA		Specialty Coverplate For Concealed Pendent Sprinkler Head	31.47	5.01
			For >25 To 50, Deduct	-0.42	
			For >50 To 100, Deduct	-1.99	
			For >100 To 500, Deduct	-4.14	
			For >500 To 1,000, Deduct	-7.09	
			For >1,000, Deduct	-8.76	
21 13 13 00-0251	EA		Brass Coverplate For Concealed Sidewall Sprinkler Head	29.05	5.01
			For >25 To 50, Deduct	-0.42	
			For >50 To 100, Deduct	-1.87	
			For >100 To 500, Deduct	-3.84	
			For >500 To 1,000, Deduct	-6.65	
			For >1,000, Deduct	-8.32	
21 13 13 00-0252	EA		Chrome Coverplate For Concealed Sidewall Sprinkler Head	23.55	5.01
			For >25 To 50, Deduct	-0.42	
			For >50 To 100, Deduct	-1.60	
			For >100 To 500, Deduct	-3.15	
			For >500 To 1,000, Deduct	-5.66	
			For >1,000, Deduct	-7.33	
21 13 13 00-0253	EA		White Coverplate For Concealed Sidewall Sprinkler Head	23.55	5.01
			For >25 To 50, Deduct	-0.42	
			For >50 To 100, Deduct	-1.60	
			For >100 To 500, Deduct	-3.15	
			For >500 To 1,000, Deduct	-5.66	
			For >1,000, Deduct	-7.33	
21 13 13 00-0254	EA		Off-White Coverplate For Concealed Sidewall Sprinkler Head	29.05	5.01
			For >25 To 50, Deduct	-0.42	
			For >50 To 100, Deduct	-1.87	
			For >100 To 500, Deduct	-3.84	
			For >500 To 1,000, Deduct	-6.65	
			For >1,000, Deduct	-8.32	
21 13 13 00-0255	EA		Black Painted Coverplate For Concealed Sidewall Sprinkler Head	29.05	5.01
			For >25 To 50, Deduct	-0.42	
			For >50 To 100, Deduct	-1.87	
			For >100 To 500, Deduct	-3.84	
			For >500 To 1,000, Deduct	-6.65	
			For >1,000, Deduct	-8.32	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0256	EA		Black Plated Coverplate For Concealed Sidewall Sprinkler Head.....	33.40	5.01
			For >25 To 50, Deduct	-0.42	
			For >50 To 100, Deduct	-2.09	
			For >100 To 500, Deduct	-4.38	
			For >500 To 1,000, Deduct	-7.43	
			For >1,000, Deduct	-9.11	
21 13 13 00-0257	EA		Bright Brass Coverplate For Concealed Sidewall Sprinkler Head.....	33.40	5.01
			For >25 To 50, Deduct	-0.42	
			For >50 To 100, Deduct	-2.09	
			For >100 To 500, Deduct	-4.38	
			For >500 To 1,000, Deduct	-7.43	
			For >1,000, Deduct	-9.11	
21 13 13 00-0258	EA		Satin Chrome Coverplate For Concealed Sidewall Sprinkler Head.....	33.40	5.01
			For >25 To 50, Deduct	-0.42	
			For >50 To 100, Deduct	-2.09	
			For >100 To 500, Deduct	-4.38	
			For >500 To 1,000, Deduct	-7.43	
			For >1,000, Deduct	-9.11	
21 13 13 00-0259	EA		Specialty Coverplate For Concealed Sidewall Sprinkler Head.....	29.07	5.01
			For >25 To 50, Deduct	-0.42	
			For >50 To 100, Deduct	-1.87	
			For >100 To 500, Deduct	-3.84	
			For >500 To 1,000, Deduct	-6.65	
			For >1,000, Deduct	-8.33	
21 13 13 00-0260	EA		White Coverplate For Quick Release Concealed Sidewall Sprinkler Head.....	48.68	5.90
			For >25 To 50, Deduct	-0.49	
			For >50 To 100, Deduct	-2.93	
			For >100 To 500, Deduct	-6.33	
			For >500 To 1,000, Deduct	-10.43	
			For >1,000, Deduct	-12.40	
21 13 13 00-0261			Sprinkler Escutcheon Extension Tube (21 13 13 00-0200)		
21 13 13 00-0262	EA		2.18" Diameter x 4" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube.....	11.74	2.95
			Note: For use with 2 piece escutcheons		
			For >25 To 50, Deduct	-0.25	
			For >50 To 100, Deduct	-0.83	
			For >100 To 500, Deduct	-1.59	
			For >500 To 1,000, Deduct	-2.95	
			For >1,000, Deduct	-3.93	
21 13 13 00-0263	EA		2.18" Diameter x 6" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube.....	15.03	3.10
			Note: For use with 2 piece escutcheons		
			For >25 To 50, Deduct	-0.26	
			For >50 To 100, Deduct	-1.01	
			For >100 To 500, Deduct	-2.01	
			For >500 To 1,000, Deduct	-3.58	
			For >1,000, Deduct	-4.61	
21 13 13 00-0264	EA		2.18" Diameter x 8" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube.....	18.69	3.25
			Note: For use with 2 piece escutcheons		
			For >25 To 50, Deduct	-0.27	
			For >50 To 100, Deduct	-1.21	
			For >100 To 500, Deduct	-2.47	
			For >500 To 1,000, Deduct	-4.28	
			For >1,000, Deduct	-5.37	
21 13 13 00-0265	EA		2.18" Diameter x 10" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube.....	21.98	3.39
			Note: For use with 2 piece escutcheons		
			For >25 To 50, Deduct	-0.28	
			For >50 To 100, Deduct	-1.38	
			For >100 To 500, Deduct	-2.89	
			For >500 To 1,000, Deduct	-4.92	
			For >1,000, Deduct	-6.05	
21 13 13 00-0266			Sprinkler Head Guards (21 13 13 00-0200)		
21 13 13 00-0267	EA		Universal Sprinkler Head Guard, C-1.....	19.10	8.85
			For >25 To 50, Deduct	-0.74	
			For >50 To 100, Deduct	-1.69	
			For >100 To 500, Deduct	-2.76	
			For >500 To 1,000, Deduct	-5.95	
			For >1,000, Deduct	-8.90	
21 13 13 00-0268	EA		Dry Pendent Sprinkler Head Guard, C-2.....	20.78	8.85
			For >25 To 50, Deduct	-0.74	
			For >50 To 100, Deduct	-1.78	
			For >100 To 500, Deduct	-2.97	
			For >500 To 1,000, Deduct	-6.25	
			For >1,000, Deduct	-9.20	
21 13 13 00-0269	EA		Upright Sprinkler Head Guard With Water Shield, C-3.....	23.65	8.85
			For >25 To 50, Deduct	-0.74	
			For >50 To 100, Deduct	-1.92	
			For >100 To 500, Deduct	-3.33	
			For >500 To 1,000, Deduct	-6.76	
			For >1,000, Deduct	-9.71	



Fire Suppression			21
Water-Based Fire-Suppression Systems			21 10
Fire-Suppression Sprinkler Systems			21 13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0270	EA		Pendent Sprinkler Head Guard With Water Shield, C-5.....	27.19	8.85
			For >25 To 50, Deduct	-0.74	
			For >50 To 100, Deduct	-2.10	
			For >100 To 500, Deduct	-3.77	
			For >500 To 1,000, Deduct	-7.40	
			For >1,000, Deduct	-10.35	
21 13 13 00-0271	EA		Universal Sprinkler Head Guard, D-1.....	20.72	8.85
			For >25 To 50, Deduct	-0.74	
			For >50 To 100, Deduct	-1.77	
			For >100 To 500, Deduct	-2.96	
			For >500 To 1,000, Deduct	-6.24	
			For >1,000, Deduct	-9.19	
21 13 13 00-0272	EA		Upright Sprinkler Head Guard With Water Shield, D-3	21.81	8.85
			For >25 To 50, Deduct	-0.74	
			For >50 To 100, Deduct	-1.83	
			For >100 To 500, Deduct	-3.10	
			For >500 To 1,000, Deduct	-6.43	
			For >1,000, Deduct	-9.38	
21 13 13 00-0273	EA		Pendent Sprinkler Head Guard With Large Water Shield, D-4.....	29.93	8.85
			For >25 To 50, Deduct	-0.74	
			For >50 To 100, Deduct	-2.23	
			For >100 To 500, Deduct	-4.11	
			For >500 To 1,000, Deduct	-7.89	
			For >1,000, Deduct	-10.84	
21 13 13 00-0274	EA		Pendent Sprinkler Head Guard With Small Water Shield, D-5.....	28.30	8.85
			For >25 To 50, Deduct	-0.74	
			For >50 To 100, Deduct	-2.15	
			For >100 To 500, Deduct	-3.91	
			For >500 To 1,000, Deduct	-7.60	
			For >1,000, Deduct	-10.55	
21 13 13 00-0275			Replacement Sprinkler Escutcheon (21 13 13 00-0200)		
21 13 13 00-0276	EA		Push On, Brass Replacement Sprinkler Escutcheon.....	8.67	3.25
			For >25 To 50, Deduct	-0.25	
			For >50 To 100, Deduct	-0.68	
			For >100 To 500, Deduct	-1.21	
			For >500 To 1,000, Deduct	-2.40	
			For >1,000, Deduct	-3.38	
21 13 13 00-0277	EA		Push On, Chrome Replacement Sprinkler Escutcheon	8.62	3.25
			For >25 To 50, Deduct	-0.25	
			For >50 To 100, Deduct	-0.68	
			For >100 To 500, Deduct	-1.20	
			For >500 To 1,000, Deduct	-2.39	
			For >1,000, Deduct	-3.37	
21 13 13 00-0278	EA		Push On, White Replacement Sprinkler Escutcheon	8.62	3.25
			For >25 To 50, Deduct	-0.25	
			For >50 To 100, Deduct	-0.68	
			For >100 To 500, Deduct	-1.20	
			For >500 To 1,000, Deduct	-2.39	
			For >1,000, Deduct	-3.37	
21 13 13 00-0279	EA		Flush, Brass Replacement Sprinkler Escutcheon	8.62	3.25
			For >25 To 50, Deduct	-0.25	
			For >50 To 100, Deduct	-0.68	
			For >100 To 500, Deduct	-1.20	
			For >500 To 1,000, Deduct	-2.39	
			For >1,000, Deduct	-3.37	
21 13 13 00-0280	EA		Flush, Chrome Replacement Sprinkler Escutcheon.....	8.62	3.25
			For >25 To 50, Deduct	-0.25	
			For >50 To 100, Deduct	-0.68	
			For >100 To 500, Deduct	-1.20	
			For >500 To 1,000, Deduct	-2.39	
			For >1,000, Deduct	-3.37	
21 13 13 00-0281	EA		Flush, White Replacement Sprinkler Escutcheon	10.27	3.25
			For >25 To 50, Deduct	-0.25	
			For >50 To 100, Deduct	-0.76	
			For >100 To 500, Deduct	-1.41	
			For >500 To 1,000, Deduct	-2.68	
			For >1,000, Deduct	-3.67	
21 13 13 00-0282	EA		Deep, Brass Replacement Sprinkler Escutcheon	8.62	3.25
			For >25 To 50, Deduct	-0.25	
			For >50 To 100, Deduct	-0.68	
			For >100 To 500, Deduct	-1.20	
			For >500 To 1,000, Deduct	-2.39	
			For >1,000, Deduct	-3.37	
21 13 13 00-0283	EA		Deep, Chrome Replacement Sprinkler Escutcheon.....	8.62	3.25
			For >25 To 50, Deduct	-0.25	
			For >50 To 100, Deduct	-0.68	
			For >100 To 500, Deduct	-1.20	
			For >500 To 1,000, Deduct	-2.39	
			For >1,000, Deduct	-3.37	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0284	EA	Deep, White Replacement Sprinkler Escutcheon.....	8.62	3.25
		For >25 To 50, Deduct	-0.25	
		For >50 To 100, Deduct	-0.68	
		For >100 To 500, Deduct	-1.20	
		For >500 To 1,000, Deduct	-2.39	
		For >1,000, Deduct	-3.37	
21 13 13 00-0285		Pendent Shield And O-Ring Assembly (21 13 00-0200)		
21 13 13 00-0286	EA	Pendent Shield And O-Ring Assembly.....	14.29	6.49
		For >25 To 50, Deduct	-0.49	
		For >50 To 100, Deduct	-1.21	
		For >100 To 500, Deduct	-2.03	
		For >500 To 1,000, Deduct	-4.24	
		For >1,000, Deduct	-6.21	
21 13 13 00-0287		Replacement Insulating Sealing Assembly (21 13 13 00-0200)		
21 13 13 00-0288	EA	Insulating Sealing Assembly	56.30	14.75
		For >100 To 500, Deduct	-7.78	
		For >500 To 1,000, Deduct	-15.15	
21 13 13 00-0289		Flexible Sprinkler Piping (21 13 13 00-0011)		
		Note: 1" Diameter stainless steel flexible pipe with either 1/2" or 3/4" outlet.		
21 13 13 00-0290	EA	2' Long Stainless Steel Flexible Sprinkler Piping	57.22	15.24
		Note: Includes ceiling mounting bracket.		
		For >25 To 50, Deduct	-1.54	
		For >50 To 100, Deduct	-4.40	
		For >100 To 500, Deduct	-7.92	
		For >500 To 1,000, Deduct	-15.52	
		For >1,000, Deduct	-21.67	
21 13 13 00-0291	EA	3' Long Stainless Steel Flexible Sprinkler Piping	62.88	15.73
		Note: Includes ceiling mounting bracket.		
		For >25 To 50, Deduct	-1.62	
		For >50 To 100, Deduct	-4.76	
		For >100 To 500, Deduct	-8.67	
		For >500 To 1,000, Deduct	-16.82	
		For >1,000, Deduct	-23.29	
21 13 13 00-0292	EA	4' Long Stainless Steel Flexible Sprinkler Piping	68.68	16.71
		Note: Includes ceiling mounting bracket.		
		For >25 To 50, Deduct	-1.71	
		For >50 To 100, Deduct	-5.14	
		For >100 To 500, Deduct	-9.44	
		For >500 To 1,000, Deduct	-18.17	
		For >1,000, Deduct	-24.99	
21 13 13 00-0293	EA	5' Long Stainless Steel Flexible Sprinkler Piping	74.74	17.70
		Note: Includes ceiling mounting bracket.		
		For >25 To 50, Deduct	-1.81	
		For >50 To 100, Deduct	-5.55	
		For >100 To 500, Deduct	-10.25	
		For >500 To 1,000, Deduct	-19.60	
		For >1,000, Deduct	-26.83	
21 13 13 00-0294	EA	6' Long Stainless Steel Flexible Sprinkler Piping	81.02	19.67
		Note: Includes ceiling mounting bracket.		
		For >25 To 50, Deduct	-1.92	
		For >50 To 100, Deduct	-5.97	
		For >100 To 500, Deduct	-11.09	
		For >500 To 1,000, Deduct	-21.12	
		For >1,000, Deduct	-28.80	
21 13 13 00-0295		Sprinkler Emergency Cabinets (21 13 13 00-0011)		
21 13 13 00-0296	EA	3 Capacity Emergency Sprinkler Cabinet, A4	86.93	
21 13 13 00-0297	EA	6 Capacity Emergency Sprinkler Cabinet, A4	91.84	
21 13 13 00-0298	EA	12 Capacity Emergency Sprinkler Cabinet, A4	95.13	
21 13 13 00-0299	EA	12 Capacity Emergency Sprinkler Cabinet, A3	278.00	
21 13 13 00-0300	EA	Sprinkler Wrench, RC1	124.89	
21 13 13 00-0301	EA	Sprinkler Wrench, FC	124.41	
21 13 13 00-0302	EA	Sprinkler Wrench, W2	41.31	

21 13 16 Dry-Pipe Sprinkler Systems (21 13)**21 13 16 00-0001 Complete Dry Pipe Sprinkler Systems** (21 13 16)

Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1396 for individual grooved pipe, 23 21 13 23-1469 for individual grooved pipe fittings.



Fire Suppression			21
Water-Based Fire-Suppression Systems			21 10
Fire-Suppression Sprinkler Systems			21 13

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0002 Light Hazard, Dry-Pipe Sprinkler Systems (21 13 16 00-0001)				
21 13 16 00-0003	EA	Exposed Piping, Light Hazard, Dry-Pipe Sprinkler System, Per Head.....	407.88	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		For Up To 5, Add	190.77	
		For >5 To 10, Add	109.82	
		For >10 To 20, Add	82.21	
		For >20 To 40, Add	34.20	
		For >100 To 150, Deduct	-40.79	
		For >150, Deduct	-81.58	
		For Copper Pipe, Add	47.38	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	-67.77	
21 13 16 00-0004	EA	Concealed Piping, Light Hazard, Dry-Pipe Sprinkler System, Per Head.....	518.10	
		Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
		For Up To 5, Add	244.70	
		For >5 To 10, Add	145.45	
		For >10 To 20, Add	107.99	
		For >20 To 40, Add	44.63	
		For >100 To 150, Deduct	-51.81	
		For >150, Deduct	-103.62	
		For Copper Pipe, Add	58.99	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	-84.89	
21 13 16 00-0005 Ordinary Hazard, Dry-Pipe Sprinkler Systems (21 13 16 00-0001)				
21 13 16 00-0006	EA	Exposed Piping, Ordinary Hazard, Dry-Pipe Sprinkler System, Per Head.....	412.14	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		For Up To 5, Add	192.13	
		For >5 To 10, Add	109.39	
		For >10 To 20, Add	82.12	
		For >20 To 40, Add	34.24	
		For >100 To 150, Deduct	-41.21	
		For >150, Deduct	-82.43	
		For Copper Pipe, Add	48.19	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	-68.79	
21 13 16 00-0007	EA	Concealed Piping, Ordinary Hazard, Dry-Pipe Sprinkler System, Per Head.....	519.95	
		Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
		For Up To 5, Add	244.99	
		For >5 To 10, Add	144.51	
		For >10 To 20, Add	107.50	
		For >20 To 40, Add	44.50	
		For >100 To 150, Deduct	-52.00	
		For >150, Deduct	-103.99	
		For Copper Pipe, Add	59.49	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	-85.49	
21 13 16 00-0008 Extra Hazard, Dry-Pipe Sprinkler Systems (21 13 16 00-0001)				
21 13 16 00-0009	EA	Exposed Piping, Extra Hazard, Dry-Pipe Sprinkler System, Per Head.....	386.24	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		For Up To 5, Add	179.91	
		For >5 To 10, Add	102.15	
		For >10 To 20, Add	76.74	
		For >20 To 40, Add	32.02	
		For >100 To 150, Deduct	-38.62	
		For >150, Deduct	-77.25	
		For Copper Pipe, Add	45.23	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	-64.54	
21 13 16 00-0010	EA	Concealed Piping, Extra Hazard, Dry-Pipe Sprinkler System, Per Head.....	484.07	
		Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
		For Up To 5, Add	228.10	
		For >5 To 10, Add	134.57	
		For >10 To 20, Add	100.11	
		For >20 To 40, Add	41.44	
		For >100 To 150, Deduct	-48.41	
		For >150, Deduct	-96.81	
		For Copper Pipe, Add	55.38	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	-79.58	
21 13 16 00-0011 Dry-Pipe Sprinkler System Equipment (21 13 16 00-0001)				
21 13 16 00-0012	EA	Dry System Air Compressor, 3/4 HP With Alarm Valve Flange With Gauge.....	1,899.71	281.11
21 13 16 00-0013	EA	Dry System Air Compressor, 1 HP With Alarm Valve Flange With Gauge.....	1,979.57	281.11
21 13 16 00-0014	EA	Dry System Air Compressor, 1-1/2 HP With Alarm Valve Flange With Gauge	2,046.95	281.11
21 13 16 00-0015	EA	Dry System Air Compressor, 2 HP With Alarm Valve Flange With Gauge.....	2,308.97	281.11
21 13 16 00-0016 Dry Pipe Sprinkler System Components (21 13 16)				
		Note: Excludes hydraulic calculations.		
21 13 16 00-0017 Dry Pipe Valves (21 13 16 00-0016)				
		Note: Excludes trim package See CSI section 21 13 16 00-0022 for Dry Pipe Valve Trim.		
21 13 16 00-0018	EA	2-1/2" Dry Pipe Valve.....	2,557.55	123.52
21 13 16 00-0019	EA	3" Dry Pipe Valve.....	2,849.34	141.49
21 13 16 00-0020	EA	4" Dry Pipe Valve.....	3,216.16	240.32

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0021	EA		6" Dry Pipe Valve.....	4,077.81	303.20
21 13 16 00-0022			Dry Pipe Valve Trim (21 13 16 00-0016) Note: Includes gauges, pressure switch, air supply and drain lines.		
21 13 16 00-0023	EA		2-1/2" Dry Pipe Valve Trim.....	1,320.37	261.43
21 13 16 00-0024	EA		3" Dry Pipe Valve Trim.....	1,320.37	261.43
21 13 16 00-0025	EA		4" Dry Pipe Valve Trim.....	1,546.67	358.45
21 13 16 00-0026	EA		6" Dry Pipe Valve Trim.....	1,780.25	498.59
21 13 16 00-0027			Recessed Pendent Dry Pipe Sprinkler Heads, Quick Response (21 13 16 00-0016)		
21 13 16 00-0028	EA		3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	174.05	19.47
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-11.65	
			For >100 To 500, Deduct	-23.23	
			For >500 To 1,000, Deduct	-41.36	
			For >1,000, Deduct	-53.16	
21 13 16 00-0029	EA		6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	180.68	19.47
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-11.98	
			For >100 To 500, Deduct	-24.06	
			For >500 To 1,000, Deduct	-42.55	
			For >1,000, Deduct	-54.35	
21 13 16 00-0030	EA		9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	187.31	19.47
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-12.32	
			For >100 To 500, Deduct	-24.89	
			For >500 To 1,000, Deduct	-43.75	
			For >1,000, Deduct	-55.55	
21 13 16 00-0031	EA		12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	193.96	19.47
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-12.65	
			For >100 To 500, Deduct	-25.72	
			For >500 To 1,000, Deduct	-44.94	
			For >1,000, Deduct	-56.74	
21 13 16 00-0032	EA		15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	200.59	19.47
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-12.98	
			For >100 To 500, Deduct	-26.55	
			For >500 To 1,000, Deduct	-46.14	
			For >1,000, Deduct	-57.94	
21 13 16 00-0033	EA		18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	207.22	19.47
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-13.31	
			For >100 To 500, Deduct	-27.38	
			For >500 To 1,000, Deduct	-47.33	
			For >1,000, Deduct	-59.13	
21 13 16 00-0034	EA		21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	213.85	19.47
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-13.64	
			For >100 To 500, Deduct	-28.21	
			For >500 To 1,000, Deduct	-48.52	
			For >1,000, Deduct	-60.32	
21 13 16 00-0035	EA		24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	220.49	19.47
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-13.97	
			For >100 To 500, Deduct	-29.04	
			For >500 To 1,000, Deduct	-49.72	
			For >1,000, Deduct	-61.52	
21 13 16 00-0036	EA		27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	227.11	19.47
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-14.31	
			For >100 To 500, Deduct	-29.86	
			For >500 To 1,000, Deduct	-50.91	
			For >1,000, Deduct	-62.71	
21 13 16 00-0037	EA		30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	233.75	19.47
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-14.64	
			For >100 To 500, Deduct	-30.69	
			For >500 To 1,000, Deduct	-52.11	
			For >1,000, Deduct	-63.91	
21 13 16 00-0038	EA		33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	240.39	19.47
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-14.97	
			For >100 To 500, Deduct	-31.52	
			For >500 To 1,000, Deduct	-53.30	
			For >1,000, Deduct	-65.10	
21 13 16 00-0039	EA		36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	247.02	19.47
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-15.30	
			For >100 To 500, Deduct	-32.35	
			For >500 To 1,000, Deduct	-54.49	
			For >1,000, Deduct	-66.29	



Fire Suppression			21
Water-Based Fire-Suppression Systems			21 10
Fire-Suppression Sprinkler Systems			21 13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0040	EA		39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	253.67	19.47
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-15.63	
			For >100 To 500, Deduct	-33.18	
			For >500 To 1,000, Deduct	-55.69	
			For >1,000, Deduct	-67.49	
21 13 16 00-0041	EA		42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	260.29	19.47
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-15.96	
			For >100 To 500, Deduct	-34.01	
			For >500 To 1,000, Deduct	-56.88	
			For >1,000, Deduct	-68.68	
21 13 16 00-0042	EA		45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	266.93	19.47
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-16.30	
			For >100 To 500, Deduct	-34.84	
			For >500 To 1,000, Deduct	-58.08	
			For >1,000, Deduct	-69.88	
21 13 16 00-0043 Sidewall Dry Pipe Sprinkler Heads, Quick Response (21 13 16 00-0016)					
21 13 16 00-0044	EA		3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	172.45	19.47
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-11.57	
			For >100 To 500, Deduct	-23.03	
			For >500 To 1,000, Deduct	-41.07	
			For >1,000, Deduct	-52.87	
21 13 16 00-0045	EA		6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	179.09	19.47
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-11.90	
			For >100 To 500, Deduct	-23.86	
			For >500 To 1,000, Deduct	-42.27	
			For >1,000, Deduct	-54.07	
21 13 16 00-0046	EA		9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	185.74	19.47
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-12.24	
			For >100 To 500, Deduct	-24.69	
			For >500 To 1,000, Deduct	-43.46	
			For >1,000, Deduct	-55.26	
21 13 16 00-0047	EA		12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	192.35	19.47
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-12.57	
			For >100 To 500, Deduct	-25.52	
			For >500 To 1,000, Deduct	-44.65	
			For >1,000, Deduct	-56.45	
21 13 16 00-0048	EA		15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	198.99	19.47
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-12.90	
			For >100 To 500, Deduct	-26.35	
			For >500 To 1,000, Deduct	-45.85	
			For >1,000, Deduct	-57.65	
21 13 16 00-0049	EA		18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	205.62	19.47
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-13.23	
			For >100 To 500, Deduct	-27.18	
			For >500 To 1,000, Deduct	-47.04	
			For >1,000, Deduct	-58.84	
21 13 16 00-0050	EA		21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	212.27	19.47
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-13.56	
			For >100 To 500, Deduct	-28.01	
			For >500 To 1,000, Deduct	-48.24	
			For >1,000, Deduct	-60.04	
21 13 16 00-0051	EA		24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	218.90	19.47
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-13.90	
			For >100 To 500, Deduct	-28.84	
			For >500 To 1,000, Deduct	-49.43	
			For >1,000, Deduct	-61.23	
21 13 16 00-0052	EA		27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	225.52	19.47
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-14.23	
			For >100 To 500, Deduct	-29.67	
			For >500 To 1,000, Deduct	-50.62	
			For >1,000, Deduct	-62.42	
21 13 16 00-0053	EA		30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	232.15	19.47
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-14.56	
			For >100 To 500, Deduct	-30.49	
			For >500 To 1,000, Deduct	-51.82	
			For >1,000, Deduct	-63.62	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0054	EA	33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	238.79	19.47
		For >25 To 50, Deduct	-2.95	
		For >50 To 100, Deduct	-14.89	
		For >100 To 500, Deduct	-31.32	
		For >500 To 1,000, Deduct	-53.01	
		For >1,000, Deduct	-64.81	
21 13 16 00-0055	EA	36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	245.43	19.47
		For >25 To 50, Deduct	-2.95	
		For >50 To 100, Deduct	-15.22	
		For >100 To 500, Deduct	-32.15	
		For >500 To 1,000, Deduct	-54.21	
		For >1,000, Deduct	-66.01	
21 13 16 00-0056	EA	39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	265.34	19.47
		For >25 To 50, Deduct	-2.95	
		For >50 To 100, Deduct	-16.22	
		For >100 To 500, Deduct	-34.64	
		For >500 To 1,000, Deduct	-57.79	
		For >1,000, Deduct	-69.59	
21 13 16 00-0057	EA	42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	271.97	19.47
		For >25 To 50, Deduct	-2.95	
		For >50 To 100, Deduct	-16.55	
		For >100 To 500, Deduct	-35.47	
		For >500 To 1,000, Deduct	-58.98	
		For >1,000, Deduct	-70.78	
21 13 16 00-0058	EA	45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	274.62	19.47
		For >25 To 50, Deduct	-2.95	
		For >50 To 100, Deduct	-16.68	
		For >100 To 500, Deduct	-35.80	
		For >500 To 1,000, Deduct	-59.46	
		For >1,000, Deduct	-71.26	
21 13 16 00-0059		Pendent Dry Pipe Sprinkler Head, Early Suppression, Fast Response (21 13 16 00-0016)		
21 13 16 00-0060	EA	23" Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head.....	739.60	19.47
		For >25 To 50, Deduct	-3.20	
		For >50 To 100, Deduct	-40.18	
		For >100 To 500, Deduct	-94.05	
		For >500 To 1,000, Deduct	-143.99	
		For >1,000, Deduct	-156.78	
21 13 16 00-0061	EA	30" Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head.....	739.60	19.47
		For >25 To 50, Deduct	-3.20	
		For >50 To 100, Deduct	-40.18	
		For >100 To 500, Deduct	-94.05	
		For >500 To 1,000, Deduct	-143.99	
		For >1,000, Deduct	-156.78	
21 13 16 00-0062	EA	36" Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head.....	739.60	19.47
		For >25 To 50, Deduct	-3.20	
		For >50 To 100, Deduct	-40.18	
		For >100 To 500, Deduct	-94.05	
		For >500 To 1,000, Deduct	-143.99	
		For >1,000, Deduct	-156.78	
21 13 16 00-0063	EA	36" Length, 1-1/4" ISO Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head.....	739.60	19.47
		For >25 To 50, Deduct	-3.20	
		For >50 To 100, Deduct	-40.18	
		For >100 To 500, Deduct	-94.05	
		For >500 To 1,000, Deduct	-143.99	
		For >1,000, Deduct	-156.78	
21 13 19		Precision Sprinkler Systems (21 13)		
21 13 19 00-0001		Complete Precision Sprinkler Systems (21 13 19)		
		Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. See CSI section 23 21 13 23-1396 for individual grooved pipe, 23 21 13 23-1469 for individual grooved pipe fittings.		
21 13 19 00-0002		Ordinary Hazard, Precision Sprinkler Systems (21 13 19 00-0001)		
21 13 19 00-0003	EA	Exposed Piping, Ordinary Hazard, Precision Sprinkler System, Per Head.....	392.70	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		For Up To 5, Add	184.35	
		For >5 To 10, Add	119.44	
		For >10 To 20, Add	80.17	
		For >20 To 40, Add	33.27	
		For >100 To 150, Deduct	-39.27	
		For >150, Deduct	-78.54	



Fire Suppression		21
Water-Based Fire-Suppression Systems		21 10
Fire-Suppression Sprinkler Systems		21 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 19 00-0004 Extra Hazard, Preaction Sprinkler Systems (21 13 19 00-0001)		
21 13 19 00-0005 EA Exposed Piping, Extra Hazard, Preaction Sprinkler System, Per Head Note: Includes branch pipe and fittings, supports and sprinkler heads.	365.68	
For Up To 5, Add	171.68	
For >5 To 10, Add	111.25	
For >10 To 20, Add	74.68	
For >20 To 40, Add	30.99	
For >100 To 150, Deduct	-36.57	
For >150, Deduct	-73.14	
21 13 26 Deluge Fire-Suppression Sprinkler Systems (21 13)		
21 13 26 00-0001 Deluge Fire-Suppression Sprinkler Systems Equipment (21 13 26)		
21 13 26 00-0002 Deluge Valves With Required Trim And Release Equipment (21 13 26 00-0001)		
21 13 26 00-0003 EA 3" Deluge Valve With Trim And Release Equipment.....	5,614.32	546.36
21 13 26 00-0004 EA 4" Deluge Valve With Trim And Release Equipment.....	6,434.82	614.61
21 13 26 00-0005 EA 6" Deluge Valve With Trim And Release Equipment.....	8,010.33	893.99
21 13 39 Foam-Water Systems (21 13)		
21 13 39 00-0001 Foam Control Valves And Monitors (21 13 39)		
21 13 39 00-0002 Control Valves (21 13 39 00-0001)		
21 13 39 00-0003 EA 3" Foam Control Valve.....	2,733.25	546.36
21 13 39 00-0004 Supply Valves (21 13 39 00-0001)		
21 13 39 00-0005 EA 2-1/2" Foam Supply Valve	2,505.24	614.61
21 13 39 00-0006 Proportioners (21 13 39 00-0001)		
21 13 39 00-0007 EA 8" Foam Proportioner	2,195.88	893.99
21 13 39 00-0008 Monitors (21 13 39 00-0001)		
21 13 39 00-0009 EA Oscillating Foam Monitor	2,689.37	122.92
21 13 41 Fire-Suppression Sprinkler Piping (21 13)		
See CSI section 23 21 13 23-0001 for threaded black steel piping, 23 21 13 23-0374 for welded black steel piping, 23 21 13 23-0798 for flanged black steel pipe fittings, 23 21 13 23-1396 for grooved pipe, 23 21 13 23-1469 for grooved pipe fittings, 33 14 13 13-0001 for ductile iron pipe and fittings.		
21 13 41 00-0001 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe (21 13 41)		
Note: SDR 13.5		
21 13 41 00-0002 Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe (21 13 41 00-0001)		
21 13 41 00-0003 LF 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	5.18	1.57
21 13 41 00-0004 LF 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	6.15	1.67
21 13 41 00-0005 LF 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	7.64	1.87
21 13 41 00-0006 LF 1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	9.28	2.07
21 13 41 00-0007 LF 2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	11.82	2.26
21 13 41 00-0008 LF 2-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	16.02	2.56
21 13 41 00-0009 LF 3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	22.20	3.05
21 13 41 00-0010 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0011 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	25.23	9.44
21 13 41 00-0012 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	33.14	11.80
21 13 41 00-0013 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	41.45	14.75
21 13 41 00-0014 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	47.24	16.32
21 13 41 00-0015 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	53.52	18.29
21 13 41 00-0016 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	67.07	20.75
21 13 41 00-0017 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	81.97	24.58
21 13 41 00-0018 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0019 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	25.80	9.44
21 13 41 00-0020 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	32.22	11.80
21 13 41 00-0021 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	40.76	14.75
21 13 41 00-0022 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	46.13	16.32
21 13 41 00-0023 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	52.13	18.29
21 13 41 00-0024 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	63.59	20.75
21 13 41 00-0025 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	78.14	24.58

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0026		Chlorinated Polyvinyl Chloride (CPVC) Tees, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0027	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	37.60	14.16
21 13 41 00-0028	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	48.80	17.80
21 13 41 00-0029	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	62.01	22.22
21 13 41 00-0030	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	71.00	24.58
21 13 41 00-0031	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	82.73	27.33
21 13 41 00-0032	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	101.09	31.18
21 13 41 00-0033	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	119.44	36.77
21 13 41 00-0034		Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0035	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping.....	45.11	16.62
21 13 41 00-0036	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping.....	58.52	20.75
21 13 41 00-0037	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping.....	65.47	22.92
21 13 41 00-0038	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping.....	77.04	25.57
21 13 41 00-0039	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping.....	90.72	29.11
21 13 41 00-0040	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping.....	106.78	34.32
21 13 41 00-0041		Chlorinated Polyvinyl Chloride (CPVC) Crosses, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0042	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping.....	50.68	18.88
21 13 41 00-0043	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping.....	63.54	23.70
21 13 41 00-0044	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping.....	79.98	29.60
21 13 41 00-0045	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping.....	90.06	32.75
21 13 41 00-0046	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping.....	104.83	36.48
21 13 41 00-0047	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping.....	133.44	41.49
21 13 41 00-0048		Chlorinated Polyvinyl Chloride (CPVC) Couplings, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0049	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	17.29	6.29
21 13 41 00-0050	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	23.17	8.45
21 13 41 00-0051	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	30.69	11.11
21 13 41 00-0052	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	34.91	12.29
21 13 41 00-0053	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	39.96	13.67
21 13 41 00-0054	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	47.71	15.53
21 13 41 00-0055	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	57.46	18.39
21 13 41 00-0056		Chlorinated Polyvinyl Chloride (CPVC) Caps, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0057	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	8.81	3.15
21 13 41 00-0058	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	14.02	5.11
21 13 41 00-0059	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	16.02	5.51
21 13 41 00-0060	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	18.30	6.09
21 13 41 00-0061	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	21.58	6.88
21 13 41 00-0062	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	25.92	7.77
21 13 41 00-0063	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	33.46	9.24
21 13 41 00-0064		Chlorinated Polyvinyl Chloride (CPVC) Reducer Bushing, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0065	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	24.52	9.34
21 13 41 00-0066	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	32.46	12.19
21 13 41 00-0067	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	35.88	13.47
21 13 41 00-0068	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	40.80	15.05
21 13 41 00-0069	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	48.27	17.11
21 13 41 00-0070	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	58.77	20.25
21 13 41 00-0071		Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip x Female Pipe Thread, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0072	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping.....	21.37	6.88
21 13 41 00-0073	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping.....	27.61	9.34
21 13 41 00-0074		Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0075	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	21.37	6.88
21 13 41 00-0076	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	27.61	9.34
21 13 41 00-0077		Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping (21 13 41 00-0001)		



Fire Suppression			21
Water-Based Fire-Suppression Systems			21 10
Fire-Suppression Sprinkler Systems			21 13

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0078	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	25.02	8.45	
21 13 41 00-0079	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	31.94	10.62	
21 13 41 00-0080	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 3/4" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	33.10	10.62	
21 13 41 00-0081 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping (21 13 41 00-0001)					
21 13 41 00-0082	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	41.14	14.16	
21 13 41 00-0083	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	50.66	17.80	
21 13 41 00-0084	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	65.79	22.22	
21 13 41 00-0085	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	75.00	24.58	
21 13 41 00-0086	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	87.60	27.33	
21 20 Fire-Extinguishing Systems (21)					
21 21 Carbon-Dioxide Fire-Extinguishing Systems (21 20)					
21 21 16 Carbon-Dioxide Fire-Extinguishing Equipment (21 21)					
21 21 16 00-0001 Carbon Dioxide Cylinders (21 21 16)					
21 21 16 00-0002	EA	Carbon Dioxide Simplex Cylinder, 75 LB.....	1,462.60	205.35	
21 21 16 00-0003	EA	Carbon Dioxide Duplex Cylinder, 75 LB (Each).....	2,925.20	410.69	
21 21 16 00-0004	EA	Carbon Dioxide Cylinder, Heat/Ion Detector, With Bracket.....	256.77	113.27	
21 21 16 00-0005	EA	Carbon Dioxide Cylinder, Dispersion Nozzle.....	105.84	37.52	
21 21 16 00-0006	LF	Carbon Dioxide Cylinder, 1/2" Rubber Tubing.....	29.81	15.21	
21 22 Clean-Agent Fire-Extinguishing Systems (21 20)					
21 22 16 Clean-Agent Fire-Extinguishing Equipment (21 22)					
21 22 16 00-0001 Ansul Fire Control Systems (21 22 16)					
21 22 16 00-0002 Sapphire® Fire Suppression Systems (21 22 16 00-0001)					
Note: ANSUL® SAPPPIRE® fire suppression systems use 3M™ Novec™ 1230 fire protection fluid for total flooding applications.					
21 22 16 00-0003 Cylinders, Sapphire® Fire Suppression Systems (21 22 16 00-0002)					
21 22 16 00-0004	EA	20 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570635).....	1,478.46	70.01	
Note: 10 to 21 LB tank capacity. Excludes Sapphire agent.					
21 22 16 00-0005	EA	40 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570636).....	1,687.13	70.01	
Note: 20 to 46 LB tank capacity. Excludes Sapphire agent.					
21 22 16 00-0006	EA	80 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570637).....	1,714.56	70.01	
Note: 41 to 80 LB tank capacity. Excludes Sapphire agent.					
21 22 16 00-0007	EA	140 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570638).....	2,434.63	93.34	
Note: 58 to 138 LB tank capacity. Excludes Sapphire agent.					
21 22 16 00-0008	EA	280 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570639).....	2,572.57	93.34	
Note: 116 to 280 LB tank capacity. Excludes Sapphire agent.					
21 22 16 00-0009	EA	390 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570640).....	2,747.40	116.68	
Note: 161 to 388 LB tank capacity. Excludes Sapphire agent.					
21 22 16 00-0010	EA	450 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570641).....	2,915.59	116.68	
Note: 194 to 459 LB tank capacity. Excludes Sapphire agent.					
21 22 16 00-0011	EA	850 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570586).....	4,403.06	140.01	
Note: 375 to 851 LB tank capacity. Excludes Sapphire agent.					
21 22 16 00-0012	LB	Sapphire Agent. Fire Protection Fluid, Factory Filled (Novec 1230).....	37.27	140.01	
Note: Add to empty tank cost.					
21 22 16 00-0013 Nozzles, Sapphire® Fire Suppression Systems (21 22 16 00-0002)					
21 22 16 00-0014	EA	1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570515).....	140.81	11.67	
21 22 16 00-0015	EA	3/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570516).....	144.36	11.67	
21 22 16 00-0016	EA	1" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570517).....	153.27	11.67	
21 22 16 00-0017	EA	1-1/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570518).....	159.50	11.67	
21 22 16 00-0018	EA	1-1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570519).....	168.40	11.67	
21 22 16 00-0019	EA	2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570520).....	195.09	11.67	
21 22 16 00-0020	EA	1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570602).....	140.81	11.67	
21 22 16 00-0021	EA	3/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570603).....	144.36	11.67	
21 22 16 00-0022	EA	1" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570604).....	153.27	11.67	
21 22 16 00-0023	EA	1-1/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570605).....	159.50	11.67	
21 22 16 00-0024	EA	1-1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570606).....	168.40	11.67	
21 22 16 00-0025	EA	2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570607).....	195.09	11.67	

21	Fire Suppression
21 20	Fire-Extinguishing Systems
21 22	Clean-Agent Fire-Extinguishing Systems



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

21 22 16 00-0026		Actuation Attachments, Sapphire® Fire Suppression System (21 22 16 00-0002)	
21 22 16 00-0027	EA	7/16-20 To 1/4" NPT, Male Actuation Elbow, Sapphire® Fire Suppression System (Ansul 31810)	12.49
21 22 16 00-0028	EA	7/16-20 To 1/4" NPT, Male Actuation Tee, Sapphire® Fire Suppression System (Ansul 31811)	14.02
21 22 16 00-0029	EA	1/4" NPT To 7/16-20, Male Actuation Connector, Sapphire® Fire Suppression System (Ansul 32338)	18.84
21 22 16 00-0030	EA	16" Actuation Hose, Sapphire® Fire Suppression System (Ansul 73597)	45.08
21 22 16 00-0031	EA	32" Actuation Hose, Sapphire® Fire Suppression System (Ansul 415142)	67.17
21 22 16 00-0032	EA	42" Actuation Hose, Sapphire® Fire Suppression System (Ansul 430815)	81.26
21 22 16 00-0033	EA	24", Stainless Steel, Swivel, Braided Actuation Hose, Sapphire® Fire Suppression System (Ansul 32336)	39.99
21 22 16 00-0034	EA	Pneumatic Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	276.56
21 22 16 00-0035	EA	Local Manual Actuator, Sapphire® Fire Suppression System (Ansul 570549)	268.15
21 22 16 00-0036	EA	Electric Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	607.62
21 22 16 00-0037		Nameplates, Sapphire® Fire Suppression Systems (21 22 16 00-0002)	
21 22 16 00-0038	EA	Warning Plate For Use Outside Room, Sapphire® Fire Suppression Systems (Ansul 570580)	44.70
21 22 16 00-0039	EA	Warning Plate For Use Inside Room, Sapphire® Fire Suppression Systems (Ansul 570581)	48.71
21 22 16 00-0040		Cylinder Bracketing, Sapphire® Fire Suppression Systems (21 22 16 00-0002)	
21 22 16 00-0041	EA	Tank Bracket Assembly For 20 LB, 40 LB, 50 LB, 80 LB And 90 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	137.65
21 22 16 00-0042	EA	Tank Bracket Assembly For 140 LB, 280 LB, 390 LB And 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	145.65
21 22 16 00-0043	EA	Tank Bracket Assembly For 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570336)	155.89
21 22 16 00-0044		Check Valves, Sapphire® Fire Suppression Systems (21 22 16 00-0002)	
21 22 16 00-0045	EA	1" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570566)	376.96
21 22 16 00-0046	EA	2" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570568)	529.03
21 22 16 00-0047		Discharge Hose, Sapphire® Fire Suppression Systems (21 22 16 00-0002)	
21 22 16 00-0048	EA	1" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570539)	116.97
21 22 16 00-0049	EA	2" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570538)	444.48
21 22 16 00-0050	EA	3" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 69990)	374.16
21 22 16 00-0051	EA	3" Discharge Hose And Check Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 69841)	1,635.48
21 22 16 00-0052		Swivel Adaptors, Sapphire® Fire Suppression Systems (21 22 16 00-0002)	
21 22 16 00-0053	EA	1" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570557)	41.68
21 22 16 00-0054	EA	2" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570558)	74.95
21 22 16 00-0055	EA	3" Flare To 3" Grooved, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69471)	210.23
21 22 16 00-0056	EA	3" Flare To 3" NPT, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69470)	271.38
21 22 16 00-0057		Pressure Switches, Sapphire® Fire Suppression Systems (21 22 16 00-0002)	
21 22 16 00-0058	EA	Cylinder Low Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 570585)	152.52
21 22 16 00-0059	EA	Pressure Trip, Sapphire® Fire Suppression Systems (Ansul 5156)	155.78
21 22 16 00-0060	EA	Weather Proof, DPST Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 46250)	477.49
21 22 16 00-0061		Level Indicators, Sapphire® Fire Suppression Systems (21 22 16 00-0002)	
21 22 16 00-0062	EA	Liquid Level Indicator For 280 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570277)	564.84
21 22 16 00-0063	EA	Liquid Level Indicator For 390 LB And 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570278)	591.55
21 22 16 00-0064	EA	Liquid Level Indicator For 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570589)	633.12
21 22 16 00-0065		Inspection/Maintenance Devices, Sapphire® Fire Suppression Systems (21 22 16 00-0002)	
21 22 16 00-0066	EA	Master Tank Pilot Port Male Adaptor, Sapphire® Fire Suppression Systems (Ansul 570342)	42.24
21 22 16 00-0067	EA	Cylinder Valve Pressure Gauge, Sapphire® Fire Suppression Systems (Ansul 570642)	53.04
21 22 16 00-0068	EA	Recharge Top Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570579)	175.78
21 22 16 00-0069	EA	1" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570576)	206.31
21 22 16 00-0070	EA	2" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570592)	231.67
21 22 16 00-0071	EA	3" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 69891)	313.55
21 22 16 00-0072		Replacement Parts, Sapphire® Fire Suppression Systems (21 22 16 00-0002)	
21 22 16 00-0073	EA	O-Ring Kit, Sapphire® Fire Suppression Systems (Ansul 570559)	50.13
21 22 16 00-0074	EA	Recoil Cap, Sapphire® Fire Suppression Systems (Ansul 570553)	84.30
21 22 16 00-0075	EA	Burst Disc Assembly, Sapphire® Fire Suppression Systems (Ansul 570053)	112.98
21 22 16 00-0076	EA	Bonnet Assembly, Sapphire® Fire Suppression Systems (Ansul 570543)	295.26
21 22 16 00-0077	EA	Piston Assembly, Sapphire® Fire Suppression Systems (Ansul 570551)	450.99
21 22 16 00-0078	EA	1" Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570535)	1,542.92
21 22 16 00-0079		Inergen® Fire Suppression System (21 22 16 00-0001)	
21 22 16 00-0080		Actuation Attachments, Inergen® Fire Suppression System (21 22 16 00-0079)	



Fire Suppression		21
Fire-Extinguishing Systems		21 20
Clean-Agent Fire-Extinguishing Systems		21 22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0081 EA Flexible Discharge Bend For CV90 And CV98 (200 Bar), Inergen® Fire Suppression System (Ansul 427082).....	164.61	23.12
21 22 16 00-0082 EA Metron Protractor Replacement Cartridges, Inergen® Fire Suppression System (Ansul 423958).....	191.56	24.85
21 22 16 00-0083 EA Electric Actuator, Lever, CV98, Inergen® Fire Suppression System (Ansul 423309).....	342.70	44.97
21 22 16 00-0084 EA Electric Actuator For CV90 Valve, Inergen® Fire Suppression System (Ansul 426876).....	688.13	102.41
21 22 16 00-0085 Check Valves, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0086 EA 2" Bronze Check Valve, Weld Neck Flange, Inergen® Fire Suppression System (Ansul 840794).....	1,672.16	135.16
21 22 16 00-0087 Components, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0088 EA 1/2" Manifold Relief Valve, Inergen® Fire Suppression System (Ansul 418378).....	48.89	7.09
21 22 16 00-0089 EA Pressure Operated Siren, Inergen® Fire Suppression System (Ansul 419700).....	575.51	75.95
21 22 16 00-0090 EA 30 Second Pneumatic Time Delay, Inergen® Fire Suppression System (Ansul 54169).....	1,791.45	237.62
21 22 16 00-0091 EA 60 Second Time Delay, Inergen® Fire Suppression System (Ansul 426170).....	1,706.04	242.08
21 22 16 00-0092 Cylinders, Inergen® Fire Suppression System (21 22 16 00-0079)		
Note: Includes CV98 valve. Factory filled with Inergen agent.		
21 22 16 00-0093 EA 200 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426147).....	1,492.17	217.47
21 22 16 00-0094 EA 250 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426148).....	1,692.70	246.39
21 22 16 00-0095 EA 350 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426620).....	2,425.13	319.29
21 22 16 00-0096 EA 435 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426150).....	2,424.07	390.17
21 22 16 00-0097 EA 250 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426257).....	1,749.13	274.72
21 22 16 00-0098 EA 350 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426621).....	2,481.99	347.73
21 22 16 00-0099 EA 435 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426259).....	2,556.47	419.26
21 22 16 00-0100 Inspection/Maintenance Devices, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0101 EA CV90 Fill Adaptor To CV98 Valve, Conversion Adapter, Inergen® Fire Suppression System (Ansul 423657).....	56.34	7.91
21 22 16 00-0102 EA CV98 To CV90 Conversion Adapter, Cylinder Test Gauge, Inergen® Fire Suppression System (Ansul 426181).....	56.34	7.91
21 22 16 00-0103 EA CV90 Pressure Test Assembly Venting Kit, Inergen® Fire Suppression System (Ansul 426954).....	68.02	8.78
21 22 16 00-0104 EA Pressure Test Gauge, Inergen® Fire Suppression System (Ansul 423923).....	1,073.57	150.91
21 22 16 00-0105 Multiple Cylinder Bracketing, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0106 EA 13" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418502).....	18.10	2.31
Note: For single row 435 cubic foot cylinders.		
21 22 16 00-0107 EA 27" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418503).....	25.69	3.30
Note: For double row 435 cubic foot cylinders.		
21 22 16 00-0108 Nameplates, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0109 EA Warning Plate, Nameplate, Inside Room With Alarm, Inergen® Fire Suppression System (Ansul 416265).....	19.95	2.58
21 22 16 00-0110 EA Warning Plate, Nameplate, Outside Room Without Alarm, Inergen® Fire Suppression System (Ansul 416266).....	18.42	2.58
21 22 16 00-0111 Nozzle Deflector Shields, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0112 EA 1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417708).....	80.12	11.14
21 22 16 00-0113 EA 3/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417711).....	84.07	11.66
21 22 16 00-0114 EA 1" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417714).....	97.69	13.47
21 22 16 00-0115 EA 1-1/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417717).....	108.87	15.21
21 22 16 00-0116 EA 1-1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417720).....	124.89	17.49
21 22 16 00-0117 Nozzles, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0118 EA 1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417908).....	122.70	17.23
21 22 16 00-0119 EA 3/8" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417723).....	127.30	17.75
21 22 16 00-0120 EA 1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417362).....	117.42	16.43
21 22 16 00-0121 EA 3/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417363).....	120.18	17.75
21 22 16 00-0122 EA 1" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417364).....	139.61	19.52
21 22 16 00-0123 EA 1-1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417365).....	149.25	20.78
21 22 16 00-0124 EA 1-1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417366).....	160.67	22.30
21 22 16 00-0125 EA 2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426155).....	276.54	39.03
21 22 16 00-0126 EA 2-1/2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426156).....	365.64	51.20
21 22 16 00-0127 EA 3" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426137).....	398.57	56.28
21 22 16 00-0128 EA 1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426138).....	142.87	20.26
21 22 16 00-0129 EA 3/8" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426139).....	168.54	23.73
21 22 16 00-0130 EA 1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426140).....	138.71	19.52
21 22 16 00-0131 EA 3/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426141).....	148.17	20.68
21 22 16 00-0132 EA 1" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426142).....	149.47	20.78
21 22 16 00-0133 EA 1-1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426143).....	180.43	25.25
21 22 16 00-0134 EA 1-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426157).....	194.46	27.37
21 22 16 00-0135 EA 2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426144).....	298.49	42.01
21 22 16 00-0136 EA 2-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426145).....	348.51	49.18
21 22 16 00-0137 EA 3" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426146).....	381.88	53.73
21 22 16 00-0138 Pressure Reducers, Inergen® Fire Suppression System (21 22 16 00-0079)		

21	Fire Suppression
21 20	Fire-Extinguishing Systems
21 22	Clean-Agent Fire-Extinguishing Systems



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0139	EA	1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416677)	160.67	22.30
21 22 16 00-0140	EA	3/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416678)	197.11	27.78
21 22 16 00-0141	EA	1" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416679)	212.01	29.91
21 22 16 00-0142	EA	1-1/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416680)	298.49	42.01
21 22 16 00-0143	EA	1-1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416681)	326.13	46.03
21 22 16 00-0144	EA	2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416682)	383.19	53.73
21 22 16 00-0145	EA	2-1/2" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417057)	445.50	63.01
21 22 16 00-0146	EA	3" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417058)	526.69	74.53
21 22 16 00-0147	EA	2-1/2" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426823)	672.04	147.02
21 22 16 00-0148	EA	3" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426824)	866.26	172.37
21 22 16 00-0149	EA	4" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426825)	1,104.33	288.97
21 22 16 00-0150	EA	2-1/2" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426847)	655.12	147.02
21 22 16 00-0151	EA	3" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426848)	725.10	102.69
21 22 16 00-0152	EA	4" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426849)	1,104.33	288.97
21 22 16 00-0153	EA	2-1/2" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426853)	669.36	147.02
21 22 16 00-0154	EA	3" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426854)	753.83	106.71
21 22 16 00-0155	EA	4" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426855)	1,082.97	288.97
21 22 16 00-0156		Pressure Switches, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0157	EA	3PST, Pressure Switch, Inergen® Fire Suppression System (Ansul 842344)	754.09	112.04
21 22 16 00-0158		Releasing Device Equipment, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0159	EA	12 Or 24 Volt DC, Assembly, Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 17728)	1,237.29	173.82
21 22 16 00-0160	EA	24 Volt DC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 31492)	1,762.47	231.62
21 22 16 00-0161	EA	120 Volt AC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 32525)	1,869.30	235.61
21 22 16 00-0162	EA	Cocking Lever For Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 26310)	87.37	11.98
21 22 16 00-0163	EA	LT-30-R Nitrogen Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 5373)	104.31	15.87
21 22 16 00-0164	EA	Remote Actuator Booster With N2 Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 28939)	1,001.44	124.01
21 22 16 00-0165		Replacement Orifice Plates, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0166	EA	1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418095)	109.65	11.77
21 22 16 00-0167	EA	3/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418096)	114.92	12.40
21 22 16 00-0168	EA	1" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418097)	120.69	12.61
21 22 16 00-0169	EA	1-1/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418098)	129.54	13.03
21 22 16 00-0170	EA	1-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418099)	134.76	14.29
21 22 16 00-0171	EA	2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418100)	135.31	15.45
21 22 16 00-0172	EA	2-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426984)	296.27	41.40
21 22 16 00-0173	EA	3" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426985)	298.91	41.83
21 22 16 00-0174	EA	4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426986)	383.19	53.59
21 22 16 00-0175		Single Cylinder Bracketing, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0176	EA	Strap For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427704)	139.61	19.52
21 22 16 00-0177	EA	Channel For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427705)	190.10	44.61
		Note: Includes saddle, padding and fasteners.		
21 22 16 00-0178		Single Mating Flanges, Flanged Manifold Orifices, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0179	EA	2-1/2" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426856)	365.24	28.85
		Note: Includes gasket and fasteners.		
21 22 16 00-0180	EA	3" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426857)	305.96	43.07
		Note: Includes gasket and fasteners.		
21 22 16 00-0181	EA	4" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426858)	611.35	288.97
		Note: Includes gasket and fasteners.		
21 22 16 00-0182	EA	2-1/2" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426859)	191.83	26.94
		Note: Includes gasket and fasteners.		
21 22 16 00-0183	EA	3" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426860)	225.18	31.43
		Note: Includes gasket and fasteners.		
21 22 16 00-0184	EA	4" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426861)	606.86	288.97
		Note: Includes gasket and fasteners.		
21 22 16 00-0185	EA	2-1/2" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426862)	199.71	28.21
		Note: Includes gasket and fasteners.		
21 22 16 00-0186	EA	3" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426863)	233.98	32.88
		Note: Includes gasket and fasteners.		
21 22 16 00-0187	EA	4" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426864)	629.10	288.97
		Note: Includes gasket and fasteners.		



Fire Suppression		21	
Fire-Extinguishing Systems		21 20	
Clean-Agent Fire-Extinguishing Systems		21 22	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0188	EA	2-1/2" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426828) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	39.34	2.14
21 22 16 00-0189	EA	3" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426829)..... Note: Includes a stainless steel inner ring and a carbon steel outer ring.	39.76	2.36
21 22 16 00-0190	EA	4" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426830)..... Note: Includes a stainless steel inner ring and a carbon steel outer ring.	42.81	2.79
21 22 16 00-0191		Upright And Feet, Cylinder Bracketing, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0192	EA	Center Upright Foot, Inergen® Fire Suppression System (Ansul 418508).....	24.45	3.43
21 22 16 00-0193	EA	Double Row, Back-To-Back Rows, Weigh Rail Support, Inergen® Fire Suppression System (Ansul 423027)	201.23	26.07
21 22 16 00-0194	EA	85" High, Cylinder Bracketing For 425 CF And LC100 Cylinders, Inergen® Fire Suppression System (Ansul 426592)..... Note: Includes upright, left, right and center.	149.64	26.07
21 22 16 00-0195		Autopulse® Fire Detection And Control Equipment (21 22 16 00-0001)		
21 22 16 00-0196		Accessory Switches, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)		
21 22 16 00-0197	EA	Abort, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76495)	157.54	22.49
21 22 16 00-0198	EA	Abort, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76494).....	179.04	25.64
21 22 16 00-0199	EA	Main/Reserve, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76497).....	227.73	32.58
21 22 16 00-0200	EA	Main/Reserve, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76496).....	245.29	35.10
21 22 16 00-0201	EA	Maintenance, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76499)	307.14	44.14
21 22 16 00-0202	EA	Maintenance, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76498).....	326.90	46.87
21 22 16 00-0203	EA	Explosion Proof, Abort Switch, Autopulse® Fire Detection And Control Equipment (Ansul 65956).....	626.55	90.38
21 22 16 00-0204	EA	Single Gang, Surface Mount Back Box For Accessory Switches, Autopulse® Fire Detection And Control Equipment (Ansul 76490)	50.49	6.73
21 22 16 00-0205		Alarm Devices, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)		
21 22 16 00-0206	EA	Selectable Candela Strobe, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429698)	136.47	19.54
21 22 16 00-0207	EA	Sync Module, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429699)	200.10	28.59
21 22 16 00-0208	EA	Back Box Extender Adapter, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429702).....	18.25	2.60
21 22 16 00-0209		Annunciators, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)		
21 22 16 00-0210	EA	80 Character LCD, Annunciator, LCD-80, Autopulse® Fire Detection And Control Equipment (Ansul 417492).....	1,572.26	226.79
21 22 16 00-0211	EA	16 Zone Alarm/Trouble, Annunciator Control Module, ACM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417496)	1,318.02	190.00
21 22 16 00-0212	EA	16 Zone Alarm/Trouble, Annunciator Expander Module, AEM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417497)	1,023.16	147.54
21 22 16 00-0213	EA	32 Zone, Alarm Annunciator Expander Module, AEM-32A, Autopulse® Fire Detection And Control Equipment (Ansul 417500).....	891.12	128.42
21 22 16 00-0214	EA	Annunciator Lamp Driver Control Module, LDM-32, Autopulse® Fire Detection And Control Equipment (Ansul 417501).....	891.12	128.42
21 22 16 00-0215	EA	Annunciator Lamp Driver Expander Module, LDM-E32, Autopulse® Fire Detection And Control Equipment (Ansul 417502).....	713.87	102.78
21 22 16 00-0216	EA	Annunciator Lamp Driver Relay Module, LDM-R32, Autopulse® Fire Detection And Control Equipment (Ansul 417650).....	1,318.02	190.00
21 22 16 00-0217	EA	24", Annunciator Lamp Driver Cable, LDM-CBL24, Autopulse® Fire Detection And Control Equipment (Ansul 417651).....	268.09	38.46
21 22 16 00-0218	EA	48", Annunciator Lamp Driver Cable, LDM-CBL48, Autopulse® Fire Detection And Control Equipment (Ansul 417652).....	336.09	48.34
21 22 16 00-0219	EA	8 Relay, Annunciator Control Module, ACM-8R, Autopulse® Fire Detection And Control Equipment (Ansul 417653).....	673.93	97.10
21 22 16 00-0220	EA	Key Switch, AKS-1 Annunciator Accessory, Autopulse® Fire Detection And Control Equipment (Ansul 417660)	113.87	16.28
21 22 16 00-0221	EA	Low Profile Annunciator Chassis, CHS-4L, Autopulse® Fire Detection And Control Equipment (Ansul 418576)..... Note: For up to 4 LDM modules.	154.86	22.49
21 22 16 00-0222	EA	Flush, Single Annunciator Back Box, ABF-1, Autopulse® Fire Detection And Control Equipment (Ansul 417657)	268.10	38.46
21 22 16 00-0223		Autopulse IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)		
21 22 16 00-0224	EA	CHS-4 Chassis, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419586).....	208.28	31.32
21 22 16 00-0225	EA	REL 47K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419639)	12.87	2.15
21 22 16 00-0226	EA	REL 4.7K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419640)	90.70	2.60
21 22 16 00-0227	EA	REL 2.2K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 407765)	13.90	2.60
21 22 16 00-0228		Autopulse IQ-396X Modules, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)		

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 22 Clean-Agent Fire-Extinguishing Systems**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0229	EA	Indicating Circuit Expander, IQ-396X Modules, ICE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419564).....	462.98	70.20
21 22 16 00-0230	EA	Control Relay Expander, IQ-396X Modules, CRE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419566).....	277.56	41.83
21 22 16 00-0231 Batteries And Power Supplies, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)				
21 22 16 00-0232	EA	7 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417692).....	204.78	26.90
21 22 16 00-0233	EA	12 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417693).....	428.20	56.96
21 22 16 00-0234	EA	18 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417694).....	483.22	64.52
21 22 16 00-0235	EA	25 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417695).....	631.82	78.61
21 22 16 00-0236	EA	55 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417997).....	1,018.19	136.41
21 22 16 00-0237	EA	BB-17, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 418578).....	152.28	21.65
21 22 16 00-0238	EA	BB-25, Grey Cabinet, Autopulse® Fire Detection And Control Equipment (Ansul 428079).....	272.04	39.09
Note: Holds six XP5 modules or 25AH battery pack.				
21 22 16 00-0239	EA	BB-55, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 419410).....	553.28	79.66
Note: For mounting in BB-55 battery box.				
21 22 16 00-0240	EA	Battery Charger, CHG-120, Autopulse® Fire Detection And Control Equipment (Ansul 426207).....	1,608.46	232.04
Note: For mounting in BB-55 battery box.				
21 22 16 00-0241	EA	120 Volt AC, FCPS-24F, Red Remote Power Supply, Autopulse® Fire Detection And Control Equipment (Ansul 418563).....	1,176.29	169.61
21 22 16 00-0242 Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)				
21 22 16 00-0243	EA	Monitor Module, Intelligent Addressable Devices, FMM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428097).....	123.94	17.97
21 22 16 00-0244	EA	Mini Monitor Module, Intelligent Addressable Devices, FMM-101, Autopulse® Fire Detection And Control Equipment (Ansul 428098).....	115.72	17.87
21 22 16 00-0245	EA	Isolator Module, Intelligent Addressable Devices, ISO-X, Autopulse® Fire Detection And Control Equipment (Ansul 417480).....	156.78	25.64
21 22 16 00-0246	EA	2-Wire Detector Monitor Module, Intelligent Addressable Devices, FZM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428100).....	233.00	33.42
21 22 16 00-0247	EA	NAC Control Module, Intelligent Addressable Devices, FCM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428101).....	181.11	27.11
21 22 16 00-0248	EA	Control Relay Module, Intelligent Addressable Devices, FRM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428102).....	170.09	26.07
21 22 16 00-0249	EA	Flangeless, Analog Addressable Detector Base, Intelligent Addressable Devices, B501, Autopulse® Fire Detection And Control Equipment (Ansul 417487).....	27.09	4.16
21 22 16 00-0250	EA	Analog Addressable Detector Base With Isolator, Intelligent Addressable Devices, B224BI, Autopulse® Fire Detection And Control Equipment (Ansul 428125).....	100.01	14.71
21 22 16 00-0251	EA	Harsh Detector, Analog Addressable Detector Base, Intelligent Addressable Devices, B710HD, Autopulse® Fire Detection And Control Equipment (Ansul 427066).....	100.05	14.29
21 22 16 00-0252	EA	HPX-751 Detector Filter Cover, Intelligent Addressable Devices, FR-FTX, Autopulse® Fire Detection And Control Equipment (Ansul 427067).....	35.27	11.77
21 22 16 00-0253	EA	Low Profile Trim Ring, Intelligent Addressable Devices, F110, Autopulse® Fire Detection And Control Equipment (Ansul 428138).....	9.20	1.30
Note: Converts BX501 to low profile base.				
21 22 16 00-0254	EA	Relay Base, Intelligent Addressable Devices, B224RB, Autopulse® Fire Detection And Control Equipment (Ansul 423945).....	96.30	13.76
21 22 16 00-0255	EA	EOL Power Supervision Relay, Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (Ansul 417699).....	56.42	8.12
21 22 16 00-0256	EA	XP5 Modules Cabinet, Intelligent Addressable Devices, BB-XP, Autopulse® Fire Detection And Control Equipment (Ansul 428078).....	152.73	21.44
21 22 16 00-0257	EA	BB-25 Chassis, Intelligent Addressable Devices, CHS-6, Autopulse® Fire Detection And Control Equipment (Ansul 428080).....	79.86	11.35
21 22 16 00-0258 Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)				
21 22 16 00-0259	EA	Break Rod Package For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 428661).....	23.00	3.05
21 22 16 00-0260	EA	Key Pull Station For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 418336).....	14.28	1.68
21 22 16 00-0261 Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)				
21 22 16 00-0262	EA	Transmitter Module, 4XTM, Autopulse® Fire Detection And Control Equipment (Ansul 417470).....	200.10	28.59
Note: Includes municipal box and remote station connection.				
21 22 16 00-0263	EA	Relay/Transmitter Module With 8 Form C Relay Contacts, RTM-8, Autopulse® Fire Detection And Control Equipment (Ansul 417471).....	601.98	82.18
21 22 16 00-0264	EA	Universal Digital Alarm COM/XMTR Module, UDACT, Autopulse® Fire Detection And Control Equipment (Ansul 419411).....	1,148.67	165.62
21 22 16 00-0265	EA	Ferrite Core For Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (Ansul 419635).....	30.64	4.29
21 22 16 00-0266 Vesda® Aspirating Smoke Detection System (21 22 16 00-0001)				
21 22 16 00-0267 Batteries And Power Supplies, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)				
21 22 16 00-0268	EA	Transformer Only, VSP-TRAN-120, Vesda® Aspirating Smoke Detection System (Ansul 430482).....	155.85	20.18
21 22 16 00-0269	EA	Battery Cabinet, VBC-001, Vesda® Aspirating Smoke Detection System (Ansul 430379).....	273.70	30.42



Fire Suppression		21
Fire-Extinguishing Systems		21 20
Clean-Agent Fire-Extinguishing Systems		21 22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0270	EA	120 Volt AC, Single Zone Power Supply With Housing, VPS-100US-120, Vesda® Aspirating Smoke Detection System (Ansul 430374).....	866.37	117.70
21 22 16 00-0271	EA	220 Volt AC, Single Zone Power Supply With Housing, VPS-100US-220, Vesda® Aspirating Smoke Detection System (Ansul 430375).....	866.37	117.70
21 22 16 00-0272	EA	120 Volt AC, Multi Zone Power Supply, VPS-300US-120, Vesda® Aspirating Smoke Detection System (Ansul 430376).....	1,301.74	176.55
		Note: Includes housing and battery cab.		
21 22 16 00-0273	EA	220 Volt AC, Multi Zone Power Supply, VPS-300US-220, Vesda® Aspirating Smoke Detection System (Ansul 430377).....	1,301.74	176.55
		Note: Includes housing and battery cab.		
21 22 16 00-0274	EA	48 Volt DC, Multi Zone Power Supply With Housing, VPS-400US-48, Vesda® Aspirating Smoke Detection System (Ansul 430378).....	1,904.04	224.89
21 22 16 00-0275 Blank Plates, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)				
21 22 16 00-0276	EA	Blank Plate Without VESDA Logo, VSP-300, Vesda® Aspirating Smoke Detection System (Ansul 430459).....	27.93	3.78
21 22 16 00-0277	EA	Blank Plate With VESDA Logo, VSP-000, Vesda® Aspirating Smoke Detection System (Ansul 430458).....	42.27	3.78
21 22 16 00-0278	EA	Blank Plate, EMC Painted Without Logo, VSP-200, Vesda® Aspirating Smoke Detection System (Ansul 430484).....	61.24	7.15
21 22 16 00-0279	EA	Single Blank Plate, VRE-001, Vesda® Aspirating Smoke Detection System (Ansul 430446).....	95.60	7.99
21 22 16 00-0280	EA	Double Blank Plate, VRE-002, Vesda® Aspirating Smoke Detection System (Ansul 430447).....	119.80	15.97
21 22 16 00-0281	EA	Blank Plate Without FOK LED's And Logo, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430480).....	222.60	20.18
21 22 16 00-0282 Detectors, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)				
21 22 16 00-0283	EA	LaserPLUS, Detector Only, Enclosure, VLP-000, Vesda® Aspirating Smoke Detection System (Ansul 430350).....	6,535.89	987.83
		Note: Includes 3 blank plates.		
21 22 16 00-0284	EA	LaserPLUS Detector, VLP-012, Vesda® Aspirating Smoke Detection System (Ansul 430354).....	8,342.05	1,219.03
		Note: Includes centrally mounted LCD programmer module and standard display.		
21 22 16 00-0285	EA	LaserPLUS Detector, VLP-010, Vesda® Aspirating Smoke Detection System (Ansul 430356).....	7,542.26	1,113.94
		Note: Includes centrally mounted LCD programmer.		
21 22 16 00-0286	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-200, Vesda® Aspirating Smoke Detection System (Ansul 430357).....	10,492.98	1,471.24
21 22 16 00-0287	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-300, Vesda® Aspirating Smoke Detection System (Ansul 430358).....	11,046.89	1,555.32
21 22 16 00-0288	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-600, Vesda® Aspirating Smoke Detection System (Ansul 430359).....	10,608.10	1,492.26
		Note: Includes 1 fire alarm (any SCT) and OK/FOK LEDs.		
21 22 16 00-0289	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-700, Vesda® Aspirating Smoke Detection System (Ansul 430360).....	11,203.43	1,576.33
		Note: Includes 1 fire alarm (any SCT) and OK/FOK LED.		
21 22 16 00-0290	EA	7-Relay, LaserSCANNER Detector Only, VLS-204, Vesda® Aspirating Smoke Detection System (Ansul 430361).....	11,522.27	1,639.38
		Note: Includes 2 blank plates and scan display module at far right.		
21 22 16 00-0291	EA	12-Relay, LaserSCANNER Detector, VLS-304, Vesda® Aspirating Smoke Detection System (Ansul 430363).....	12,021.30	1,723.46
		Note: Includes 2 blank plates and scanner display.		
21 22 16 00-0292	EA	7-Relay, LaserSCANNER Detector, VLS-214, Vesda® Aspirating Smoke Detection System (Ansul 430365).....	12,635.75	1,807.52
		Note: Includes centrally mounted programmer module.		
21 22 16 00-0293	EA	12-Relay, LaserSCANNER Detector, VLS-314, Vesda® Aspirating Smoke Detection System (Ansul 430367).....	13,174.82	1,891.60
		Note: Includes centrally mounted LCD programmer module and scanner display module.		
21 22 16 00-0294	EA	12-Relay, LaserSCANNER Detector, VLS-310, Vesda® Aspirating Smoke Detection System (Ansul 430369).....	12,385.59	1,723.46
		Note: Includes centrally mounted LCD programmer.		
21 22 16 00-0295 Displays, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)				
21 22 16 00-0296	EA	VRT-200 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430381).....	1,993.05	231.19
		Note: Includes a remote termination card and 7 relays.		
21 22 16 00-0297	EA	VRT-400 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430385).....	2,002.85	231.19
		Note: Includes a remote termination card and 7 relays.		
21 22 16 00-0298	EA	VRT-600 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430383).....	1,804.91	210.18
		Note: Includes a remote termination card without relays.		
21 22 16 00-0299	EA	VRT-700 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430387).....	1,816.29	210.18
		Note: Includes a remote termination card.		
21 22 16 00-0300	EA	VRT-800 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430389).....	2,245.56	252.22
		Note: Includes a remote termination card and 12 relays.		
21 22 16 00-0301	EA	VRT-K00 Display, Compact Version Without Relays, Vesda® Aspirating Smoke Detection System (Ansul 430391).....	1,907.99	218.59
21 22 16 00-0302	EA	VRT-J00 Display, Compact Version With 7 Relays, Vesda® Aspirating Smoke Detection System (Ansul 430393).....	2,088.16	245.49
21 22 16 00-0303 Intelligent Addressable Devices, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)				
21 22 16 00-0304	EA	LaserCOMPACT (VN), VESDAnet Version Plus Relay Output, VLC-505, Vesda® Aspirating Smoke Detection System (Ansul 430370).....	5,004.54	693.59
21 22 16 00-0305	EA	LaserCOMPACT (RO), Relay Only Version, VLC-500, Vesda® Aspirating Smoke Detection System (Ansul 430372).....	4,122.67	554.87
21 22 16 00-0306	EA	Programmer With Remote Termination Card, VRT-100, Vesda® Aspirating Smoke Detection System (Ansul 430380).....	1,456.73	210.18
21 22 16 00-0307	EA	VESDAnet Socket, VRT-300, Vesda® Aspirating Smoke Detection System (Ansul 430395).....	1,049.65	136.62
21 22 16 00-0308	EA	System Relay Module, VRT-S07, Vesda® Aspirating Smoke Detection System (Ansul 430399).....	1,462.84	184.11
21 22 16 00-0309	EA	PC-Link High-Level Interface, VHX-0200, Vesda® Aspirating Smoke Detection System (Ansul 430442).....	1,654.22	226.99
		Note: Interface connects PC and LaserPLUS system.		
21 22 16 00-0310	EA	Modem Cable, PC-HLI To Modem Connection, VHX-00090, Vesda® Aspirating Smoke Detection System (Ansul 430443).....	275.97	34.05

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 22 Clean-Agent Fire-Extinguishing Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0311 EA Hand-Held Programmer, VHH-1000, Vesda® Aspirating Smoke Detection System (Ansul 430444)	1,846.54	210.18
21 22 16 00-0312 EA Programmer Module, VSP-001, Vesda® Aspirating Smoke Detection System (Ansul 430460)	1,317.36	174.44
21 22 16 00-0313 EA VESDAnet Socket Kit, VSP-003, Vesda® Aspirating Smoke Detection System (Ansul 430463)	1,034.79	134.51
21 22 16 00-0314 EA Standard Display Module, VSP-002, Vesda® Aspirating Smoke Detection System (Ansul 430461)	1,319.49	174.44
21 22 16 00-0315 EA Scanner Display Module, VSP-004, Vesda® Aspirating Smoke Detection System (Ansul 430464)	1,317.36	174.44
21 22 16 00-0316 EA Remote Display Module, Compact (VN), VSP-502, Vesda® Aspirating Smoke Detection System (Ansul 430487)	1,303.13	163.94
21 22 16 00-0317 EA Filter Cartridge, VSP-005, Vesda® Aspirating Smoke Detection System (Ansul 430466)	155.30	14.71
21 22 16 00-0318 EA Detector Chassis Assembly, VSP-006, Vesda® Aspirating Smoke Detection System (Ansul 430467)	6,295.37	807.09
21 22 16 00-0319 EA Scanner Chassis Assembly, VSP-009, Vesda® Aspirating Smoke Detection System (Ansul 430470)	10,969.36	1,412.39
21 22 16 00-0320 EA Aspirator For LaserPLUS And Laser Scanner, VSP-015, Vesda® Aspirating Smoke Detection System (Ansul 430475)	857.52	105.09
21 22 16 00-0321 EA Filter Cover, VSP-019, Vesda® Aspirating Smoke Detection System (Ansul 430477)	19.54	2.10
21 22 16 00-0322 EA Cover Screws, 17606, Vesda® Aspirating Smoke Detection System (Ansul 430478)	11.07	0.42
21 22 16 00-0323 EA US Power Supply Circuit Board Only, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430481)	472.22	60.95
21 22 16 00-0324 EA Relay Processor Module (DRP), VSP-102, Vesda® Aspirating Smoke Detection System (Ansul 430483)	572.09	73.98
21 22 16 00-0325 EA Aspirator, LaserCOMPACT, VSP-501, Vesda® Aspirating Smoke Detection System (Ansul 430486)	825.82	107.19
21 22 16 00-0326 EA RO-Cable For LaserCOMPACT Relay Only, (RO) Version, VSP-509, Vesda® Aspirating Smoke Detection System (Ansul 430488)	121.67	15.97
21 22 16 00-0327 EA Miniature Sampling Point, E700-SP, Vesda® Aspirating Smoke Detection System (Ansul 430502)	18.95	3.37
21 22 16 00-0328 Labels And Decals, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)		
21 22 16 00-0329 EA Sampling Point Labels, Roll Of 35, E700-SP-DCL-PIPE, Vesda® Aspirating Smoke Detection System (Ansul 430509)	17.25	2.52
21 22 16 00-0330 EA Round Point Label, Roll Of 50, E700-SP-DCL-PNT, Vesda® Aspirating Smoke Detection System (Ansul 430505)	18.10	2.94
21 22 16 00-0331 EA Red, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLR, Vesda® Aspirating Smoke Detection System (Ansul 430506)	27.93	3.78
21 22 16 00-0332 EA Grey, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLG, Vesda® Aspirating Smoke Detection System (Ansul 430507)	27.98	3.78
21 22 16 00-0333 EA Sampling Point Decal, Wrap-Around Style, Roll Of 200, E700-SP-DCL, Vesda® Aspirating Smoke Detection System (Ansul 430508)	101.40	14.29
21 22 16 00-0334 Mounting Hardware, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)		
21 22 16 00-0335 EA Remote Mounting Single Box With Escutcheon Only, VKT-000, Vesda® Aspirating Smoke Detection System (Ansul 430456)	250.70	30.27
21 22 16 00-0336 EA Recessed Mounting Kit For Remote Single Boxes, VSP-012, Vesda® Aspirating Smoke Detection System (Ansul 430472)	337.80	40.35
21 22 16 00-0337 EA Recessed Mounting Kit For VLP Or VLS Detector, VSP-011, Vesda® Aspirating Smoke Detection System (Ansul 430471)	345.44	44.14
21 22 16 00-0338 EA Remote 19 Sub Rack With 4 Blank Plates, VSR-0000, Vesda® Aspirating Smoke Detection System (Ansul 430457)	842.66	63.05
21 22 16 00-0339 EA Sub Rack Enclosure, VRE-100, Vesda® Aspirating Smoke Detection System (Ansul 430445)	1,237.70	138.72
21 22 16 00-0340 Pipe And Fittings, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)		
21 22 16 00-0341 LF 3/4", Orange Chlorinated Polyvinyl Chloride (CPVC) Pipe, Vesda® Aspirating Smoke Detection System (Ansul 430491)	5.25	1.57
21 22 16 00-0342 EA 3/4", End Cap, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430497)	8.97	3.15
21 22 16 00-0343 EA 3/4", 45 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430494)	24.68	9.44
21 22 16 00-0344 EA 3/4", 90 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430493)	25.49	9.44
21 22 16 00-0345 EA 3/4", Coupling, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430495)	17.56	6.29
21 22 16 00-0346 EA 3/4", Union, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430496)	28.28	9.44
21 22 16 00-0347 EA 3/4", Tee, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430498)	37.92	14.16
21 22 16 00-0348 EA 3/4" x 1/2" FPT, Tee, Chlorinated Polyvinyl Chloride (CPVC), Vesda® Aspirating Smoke Detection System (Ansul 430499)	47.40	16.62
21 22 16 00-0349 LF 1/2" OD x 3/8" ID, Black Polyethylene Tubing, Vesda® Aspirating Smoke Detection System (Ansul 430500)	4.49	1.52
21 22 16 00-0350 EA Pipe Adapters, Metric-To-Imperial, VSP-021, Vesda® Aspirating Smoke Detection System (Ansul 430479)	18.00	4.63
21 22 16 00-0351 EA Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Plastic, E700-CAP KIT, Vesda® Aspirating Smoke Detection System (Ansul 430503)	22.08	3.37
21 22 16 00-0352 EA Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Brass, Vesda® Aspirating Smoke Detection System (Ansul 430504)	31.68	4.63
21 22 16 00-0353 Remote Termination And Relay Cards, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)		
21 22 16 00-0354 EA VRT-500, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430396)	1,447.97	161.42
Note: Remote box includes 7 relays for VLP/VLC.		
21 22 16 00-0355 EA VN, Compact Termination Card, VSP-515, Vesda® Aspirating Smoke Detection System (Ansul 430490)	1,474.94	185.80
21 22 16 00-0356 EA 12-Relay, Remote Termination Card, VSP-208, Vesda® Aspirating Smoke Detection System (Ansul 430485)	892.71	113.50
21 22 16 00-0357 EA RO, Compact Termination Card, VSP-510, Vesda® Aspirating Smoke Detection System (Ansul 430489)	1,020.11	128.21
21 22 16 00-0358 EA VRT-501, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430397)	1,447.97	161.42
Note: Remote box includes 7 relays for VLS.		



Fire Suppression		21
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0359 EA VRT-900 Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspiring Smoke Detection System (Ansul 430398).....	1,747.73	185.80
Note: Remote box includes 12 relays for VLS.		
21 22 16 00-0360 EA Remote Termination Card Without Relay, VSP-007, Vesda® Aspiring Smoke Detection System (Ansul 430468).....	495.56	57.17
21 22 16 00-0361 EA Remote Termination Card (RTC7), VSP-008, Vesda® Aspiring Smoke Detection System (Ansul 430469).....	745.31	87.43
21 22 16 00-0362 EA 7-Relay, Head Termination Card, VSP-014, Vesda® Aspiring Smoke Detection System (Ansul 430474).....	1,402.96	180.76
21 22 16 00-0363 EA 12-Relay, Head Termination Card, VSP-016, Vesda® Aspiring Smoke Detection System (Ansul 430476).....	2,058.18	264.82
21 22 16 00-0364 Preferred® Low Pressure CO2 System (21 22 16 00-0001)		
21 22 16 00-0365 Manual Pull Stations, Preferred® Low Pressure CO2 System (21 22 16 00-0364)		
21 22 16 00-0366 EA Addressable, DPST, Dual Action Pull Station, Preferred® Low Pressure CO2 System (Ansul 428658).....	111.09	14.71
Note: Excludes FMM-101.		
21 22 16 00-0367 EA Weatherproof Backbox For Manual Pull Stations, Preferred® Low Pressure CO2 System (Ansul 428659).....	83.10	10.93
21 22 16 00-0368 Industrial Fire Control System (21 22 16 00-0001)		
21 22 16 00-0369 Alarm Devices, Industrial Fire Control System (21 22 16 00-0368)		
21 22 16 00-0370 EA Explosion Proof Alarm Horn, Alarm Devices, Industrial Fire Control System (Ansul 65947).....	2,687.33	387.78
21 22 16 00-0371 EA 6", 115 Volt AC Alarm Bell For Release Systems, Alarm Devices, Industrial Fire Control System (Ansul 24751).....	82.33	8.91
21 22 16 00-0372 EA 24 Volt AC, Multitone Horn, Alarm Devices, Industrial Fire Control System (Ansul 429697).....	81.19	11.56
21 22 16 00-0373 EA Weatherproof Surface Back Box For Horn And Strobe, Alarm Devices, Industrial Fire Control System (Ansul 429700).....	48.36	6.94
21 22 16 00-0374 EA Semi-Flush Plate, Alarm Devices, Industrial Fire Control System (Ansul 429701).....	19.76	2.81
21 22 16 00-0375 Manual Pull Stations, Industrial Fire Control System (21 22 16 00-0368)		
21 22 16 00-0376 EA SPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428655).....	91.80	12.19
21 22 16 00-0377 EA DPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428656).....	129.42	17.23
21 22 16 00-0378 EA Explosion Proof, DPDT, Dual Action Pull Station, Industrial Fire Control System (Ansul 428657).....	1,010.40	135.35
21 22 16 00-0379 EA Surface Mounted Backbox For Manual Pull Stations, Industrial Fire Control System (Ansul 428660).....	29.38	3.91
21 22 16 00-0380 EA Extra Pull Station Labels For Manual Pull Stations, Industrial Fire Control System (Ansul 428654).....	13.17	1.74
21 22 16 00-0381 Marine Fire Control System (21 22 16 00-0001)		
21 22 16 00-0382 Alarm Devices, Marine Fire Control System (21 22 16 00-0381)		
21 22 16 00-0383 EA Weatherproof Surface Mount Back Box For Alarm Accessories, Alarm Devices, Marine Fire Control System (Ansul 24747).....	53.24	7.06
21 22 16 00-0384 EA 6", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417805).....	98.07	13.66
21 22 16 00-0385 EA 10", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417806).....	98.07	13.66
21 22 16 00-0386 FM200 System Equipment (21 22 16)		
21 22 16 00-0387 EA 26 LB Cylinder, Filled, For FM200 Fire Protection system.....	2,361.91	101.40
21 22 16 00-0388 EA 44 LB Cylinder, Filled, For FM200 Fire Protection system.....	3,372.71	116.10
21 22 16 00-0389 EA 63 LB Cylinder, Filled, For FM200 Fire Protection system.....	4,003.13	136.88
21 22 16 00-0390 EA 101 LB Cylinder, Filled, For FM200 Fire Protection system.....	5,296.96	162.23
21 22 16 00-0391 EA 196 LB Cylinder, Filled, For FM200 Fire Protection system.....	8,256.92	202.79
21 22 16 00-0392 EA Electro/Mechanical Release, For FM200 Fire Protection system.....	601.86	202.79
21 22 16 00-0393 EA Manual Pull Station, For FM200 Fire Protection system.....	208.45	67.43
21 22 16 00-0394 EA Pneumatic Damper Release, For FM200 Fire Protection system.....	240.43	50.70
21 22 16 00-0395 LB FM200 Gas.....	18.76	
21 22 16 00-0396 EA Master Cylinder, For FM200 Fire Protection system.....	3,804.33	54.55
21 22 16 00-0397 EA Shuttle Check Valve, For FM200 Fire Protection system.....	577.14	76.25
21 22 16 00-0398 EA Flex Head Cylinder, For FM200 Fire Protection system.....	577.76	81.73
21 22 16 00-0399 EA Nozzles, For FM200 Fire Protection system.....	147.77	28.90
21 22 16 00-0400 EA Cylinder Support, For FM200 Fire Protection system.....	182.43	54.55
21 22 16 00-0401 EA Solenoid Valve, For FM200 Fire Protection system.....	737.69	81.73
21 22 16 00-0402 EA Battery Back-Up, For FM200 Fire Protection system.....	625.10	215.56
21 22 16 00-0403 EA Control Panel, Single Zone, For FM200 Fire Protection system.....	2,936.26	404.97
21 22 16 00-0404 EA Control Panel, Multi Zone, For FM200 Fire Protection system.....	4,827.75	810.85
21 22 16 00-0405 EA Smoke Or Heat Detector, For FM200 Fire Protection system.....	258.15	81.73
21 22 16 00-0406 EA Annunciator, For FM200 Fire Protection system.....	2,368.41	306.92
21 22 16 00-0407 EA Pressure Switch, For FM200 Fire Protection system.....	277.02	81.73
21 22 16 00-0408 EA Alarm Horn, For FM200 Fire Protection system.....	256.33	81.73
21 22 16 00-0409 EA Testing, For FM200 Fire Protection system.....	1,105.96	
21 22 16 00-0410 EA Abort Switch, For FM200 Fire Protection system.....	168.84	38.02
21 23 Wet-Chemical Fire-Extinguishing Systems (21 20)		
21 23 16 Wet-Chemical Fire-Extinguishing Equipment (21 23)		
21 23 16 00-0001 Kidde Fire Systems (21 23 16)		
Note: Kidde or equal.		
21 23 16 00-0002 Cylinders And Hardware (21 23 16 00-0001)		
21 23 16 00-0003 EA 125 Cylinder And Valve Assembly With 1.25 Gallon of Wet Agent.....	744.73	84.00
21 23 16 00-0004 EA 260 Cylinder And Valve Assembly With 2.6 Gallon Of Wet Agent.....	857.54	104.63

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 23 Wet-Chemical Fire-Extinguishing Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0005 EA 400S And M Cylinder And Valve Assembly With 4 Gallon Of Wet Agent.....	1,051.03	129.09
21 23 16 00-0006 EA 600 And L Cylinder And Valve Assembly With 6 Gallon Of Wet Agent.....	1,241.29	153.17
21 23 16 00-0007 EA Discharge Adapter Kit (One Required Per Cylinder).....	41.67	4.39
21 23 16 00-0008 EA System Valve Actuator.....	150.07	17.46
21 23 16 00-0009 EA Vent Plug.....	28.21	3.55
21 23 16 00-0010 EA Gauge Shield.....	64.88	9.34
21 23 16 00-0011 EA 125 Cylinder Wall Mounting Bracket.....	77.42	9.34
21 23 16 00-0012 EA 260 Cylinder Wall Mounting Bracket.....	82.07	9.89
21 23 16 00-0013 EA 400S And M Cylinder Wall Mounting Bracket.....	155.95	18.67
21 23 16 00-0014 EA 600 And 400M Cylinder Shelf Bracket.....	153.95	21.19
21 23 16 00-0015 EA 600 And 400M Cylinder Floor Mounting Kit.....	189.03	21.24
21 23 16 00-0016 EA 125 And 260 Cylinder Replacement Bracket Strap.....	26.51	
21 23 16 00-0017 EA 400 And 600 Cylinder Replacement Bracket Strap.....	27.83	
21 23 16 00-0018 Nozzles And Accessories (21 23 16 00-0001)		
21 23 16 00-0019 EA ADP, F, GRW Or R Nozzle.....	69.46	8.59
21 23 16 00-0020 EA LPF Or DM Nozzle.....	75.34	8.59
21 23 16 00-0021 EA LPR Nozzle.....	87.43	8.59
21 23 16 00-0022 EA 3/8" Swivel Adapter For Nozzles.....	52.03	6.07
21 23 16 00-0023 EA Removal And Replacement Of Nozzle Seals.....	8.21	
21 23 16 00-0024 EA Chrome Nozzle Disc Cap.....	5.06	0.56
21 23 16 00-0025 EA LPR Nozzle Disc Cap.....	27.64	8.54
21 23 16 00-0026 Control Systems (21 23 16 00-0001)		
21 23 16 00-0027 EA XV Control System.....	786.73	56.01
Note: Includes (1) SVA, (1) system cartridge, (1) test cartridge, (1) EMT connector kit, (1) SPDT microswitch kit, and (1) SPDT microswitch kit.		
21 23 16 00-0028 EA 7-1/2" High Pressure Hose (Required for cylinder mounted XV Control System).....	68.85	9.34
21 23 16 00-0029 EA 24" High Pressure Hose.....	80.73	9.34
21 23 16 00-0030 EA 60" High Pressure Hose.....	107.14	9.34
21 23 16 00-0031 EA XV Solenoid Kit (Electric Actuator), 24 Volt DC.....	157.49	18.67
21 23 16 00-0032 EA XV Microswitch Kit, SPDT.....	53.20	8.77
21 23 16 00-0033 EA XV Microswitch Kit, SPDT, Terminal Type, For Alarm/Release.....	57.16	8.77
21 23 16 00-0034 EA EMT Connector Kit (EMT Connector And O-Ring).....	24.56	7.00
21 23 16 00-0035 EA KRS-50 Control Box Assembly.....	444.68	36.17
Note: Includes (1) SVA, (2) CO2 cartridges, (2) set screws, (1) grommet, (1) cover label, and (1) exhaust fan caution label.		
21 23 16 00-0036 EA SPDT Microswitch For KRS-50.....	72.73	8.77
21 23 16 00-0037 EA DPTD Microswitch For KRS-50.....	131.46	15.22
21 23 16 00-0038 EA SPDT Pressure Switch (Fire Department Tie-In).....	404.11	48.82
21 23 16 00-0039 Mechanical Actuation Components (21 23 16 00-0001)		
21 23 16 00-0040 EA Universal Detector Link Housing Kit, Mechanical Actuation Systems.....	47.97	14.00
Note: Includes (1) bracket (11-3/4"), (2) "S" hook, and (2) cable crimp sleeves.		
21 23 16 00-0041 EA XV Low Profile Link Detector Housing Kit.....	62.33	14.00
Note: Includes (1) bracket, (2) 1/2" EMT connectors, (4) cable crimp sleeves, and (1) S hook.		
21 23 16 00-0042 EA XV Or KRS-50 Remote Manual Release, Combination Pull-To-Trip/Release-To-Trip.....	155.99	9.34
21 23 16 00-0043 EA XV Remote Manual Release, Pull-To-Trip.....	120.34	9.34
21 23 16 00-0044 EA Corner Pulley, Mechanical Actuation Systems.....	20.30	2.52
21 23 16 00-0045 EA Double Tee Pulley, Mechanical Actuation Systems.....	276.22	15.40
21 23 16 00-0046 EA In-Line Tee Pulley, Mechanical Actuation Systems.....	33.99	4.10
21 23 16 00-0047 EA Corner Pulley / Quik-Seal Adapter Combination.....	63.48	4.67
21 23 16 00-0048 LF 1/16" Cable, Mechanical Actuation Systems.....	2.23	0.94
21 23 16 00-0049 EA Cable Clamp.....	8.86	0.46
21 23 16 00-0050 EA Cable Crimp Sleeve, Mechanical Actuation Systems.....	1.39	0.37
21 23 16 00-0051 EA "S" Hook, Mechanical Actuation Systems.....	1.34	0.37
21 23 16 00-0052 EA 1/2" EMT x 3/8" NPT Adapter, Mechanical Actuation Systems.....	72.52	8.68
21 23 16 00-0053 Mechanical Detection Links (21 23 16 00-0001)		
21 23 16 00-0054 EA KGS Standard Response Link.....	16.15	4.67
21 23 16 00-0055 EA KGS Rapid Response Link.....	22.96	4.67
21 23 16 00-0056 EA KFA Type "A" Fusible Link.....	19.91	4.67
21 23 16 00-0057 EA KML Type "ML" Fusible Link.....	18.58	4.67
21 23 16 00-0058 EA 500 Degree, KML Type "ML" Fusible Link.....	26.51	4.67
21 23 16 00-0059 Gas Valves (21 23 16 00-0001)		
21 23 16 00-0060 EA 3/4" NPT Mechanical Cable Operated Gas Shut-off Valve.....	323.35	20.16
21 23 16 00-0061 EA 1" NPT Mechanical Cable Operated Gas Shut-off Valve.....	352.70	24.83
21 23 16 00-0062 EA 1-1/4" NPT Mechanical Cable Operated Gas Shut-off Valve.....	405.75	31.36
21 23 16 00-0063 EA 1-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve.....	445.65	36.12
21 23 16 00-0064 EA 2" NPT Mechanical Cable Operated Gas Shut-off Valve.....	482.26	42.66
21 23 16 00-0065 EA 2-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve.....	797.64	62.35
21 23 16 00-0066 EA 3" NPT Mechanical Cable Operated Gas Shut-off Valve.....	891.32	72.15
21 23 16 00-0067 EA Pneumatic Release (Single Unit).....	367.27	22.77
21 23 16 00-0068 EA Removal And Replacement Of Cable Block And Set Screw Assembly For Gas Valve.....	43.05	
21 23 16 00-0069 EA 1/2" Electric Solenoid Gas Shut-off Valve.....	336.99	18.76



Fire Suppression		21
Fire-Extinguishing Systems		21 20
Wet-Chemical Fire-Extinguishing Systems		21 23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0070 EA 3/4" Electric Solenoid Gas Shut-off Valve.....	339.80	20.16
21 23 16 00-0071 EA 1" Electric Solenoid Gas Shut-off Valve.....	523.00	24.83
21 23 16 00-0072 EA 1-1/4" Electric Solenoid Gas Shut-off Valve.....	554.92	31.36
21 23 16 00-0073 EA 1-1/2" Electric Solenoid Gas Shut-off Valve.....	637.09	36.12
21 23 16 00-0074 EA 2" Electric Solenoid Gas Shut-off Valve.....	818.17	42.66
21 23 16 00-0075 EA 2-1/2" Electric Solenoid Gas Shut-off Valve.....	1,350.83	62.35
21 23 16 00-0076 EA 3" Electric Solenoid Gas Shut-off Valve.....	1,695.85	72.15
21 23 16 00-0077 EA Manual Reset Relay.....	475.39	93.80
21 23 16 00-0078 Liquid Tight Sealing Adapters (21 23 16 00-0001)		
21 23 16 00-0079 EA 3/8" Tubing, Compression Seal Adapter.....	37.19	3.92
21 23 16 00-0080 EA 1/2" Tubing, 1/4" Pipe, Compression Seal Adapter.....	36.71	4.30
21 23 16 00-0081 EA 5/8" Tubing, 3/8" Pipe, Compression Seal Adapter.....	43.13	5.13
21 23 16 00-0082 EA 3/4" Tubing, 1/2" Pipe, Compression Seal Adapter.....	49.70	5.51
21 23 16 00-0083 EA 1/2" Electrical Metallic Tubing (EMT), Compression Seal Adapter.....	43.13	5.13
21 23 16 00-0084 EA 3/8" NPT Female, Quik-Seal Adapter.....	36.71	4.30
21 23 16 00-0085 EA 1/2" NPT Female, Quik-Seal Adapter.....	36.71	4.30
21 23 16 00-0086 EA 3/4" NPT Female, Quik-Seal Adapter.....	60.34	7.28
21 23 16 00-0087 EA 1" NPT Female, Quik-Seal Adapter.....	80.32	9.61
21 23 16 00-0088 EA Quik-Patch For Hole Patching Up To 1-1/8" Diameter.....	36.71	
21 23 16 00-0089 Pressure Operated Releasing Systems (21 23 16 00-0001)		
21 23 16 00-0090 EA KRS-100 Nitrogen Cylinder.....	266.58	28.19
21 23 16 00-0091 EA KRS-100 Actuator Assembly.....	239.52	28.75
21 23 16 00-0092 EA KRS-100 Mounting Bracket.....	185.58	7.09
21 23 16 00-0093 EA KRS-700S Nitrogen Cylinder.....	687.56	81.30
21 23 16 00-0094 EA KRS-700 Mounting Bracket.....	146.37	17.37
21 23 16 00-0095 EA KRS-700S Discharge Adapter Kit.....	220.20	17.37
21 23 16 00-0096 EA Check Valve, Pressure Operated Releasing Systems.....	217.23	12.32
21 23 16 00-0097 EA Vent Check, Pressure Operated Releasing Systems.....	67.44	7.84
21 23 16 00-0098 EA Removal And Replacement Of Receiver Gasket For KRS-100 Actuator Assembly.....	8.88	
21 23 16 00-0099 EA 3 Pole, Double Throw Pressure Switch.....	551.14	65.34
21 23 16 00-0100 Pyro-Chem Kitchen Fire Suppression Systems (21 23 16)		
21 23 16 00-0101 Cylinders, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0102 EA 3.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551194).....	604.94	66.27
21 23 16 00-0103 EA 4.6 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551193).....	871.42	95.49
21 23 16 00-0104 EA 6.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551196).....	1,146.70	130.58
21 23 16 00-0105 EA Cylinder Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550053).....	124.87	15.59
21 23 16 00-0106 EA Enclosure With Mechanical Control Unit, Kitchen Fire Suppression Systems (Pyro-Chem 551208).....	821.88	101.92
21 23 16 00-0107 EA Enclosure For Secondary Cylinders, Kitchen Fire Suppression Systems (Pyro-Chem 550966).....	501.81	62.16
21 23 16 00-0108 Fusible Links, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0109 EA 165 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551522).....	16.20	2.06
21 23 16 00-0110 EA 212 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551523).....	16.20	2.06
21 23 16 00-0111 EA 280 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551524).....	16.57	2.06
21 23 16 00-0112 EA 360 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551525).....	16.20	2.06
21 23 16 00-0113 EA 450 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551526).....	16.20	2.06
21 23 16 00-0114 EA 500 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551527).....	17.54	2.06
21 23 16 00-0115 EA Fusible Link Kit With 10" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550131).....	28.07	3.45
21 23 16 00-0116 EA Fusible Link Kit With 8" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550132).....	36.46	4.58
21 23 16 00-0117 EA Fusible Link Hanger, Kitchen Fire Suppression Systems (Pyro-Chem 550876).....	52.90	23.62
21 23 16 00-0118 EA 225 To 600 Fahrenheit, Electrical Thermal Detector, Kitchen Fire Suppression Systems (Pyro-Chem 13970-6).....	354.73	52.55
21 23 16 00-0119 Gas Valves, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0120 EA 3/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550593).....	285.41	20.16
21 23 16 00-0121 EA 1" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550594).....	325.95	24.83
21 23 16 00-0122 EA 1-1/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550595).....	353.92	31.36
21 23 16 00-0123 EA 1-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550596).....	390.03	36.03
21 23 16 00-0124 EA 2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 551049).....	449.18	42.57
21 23 16 00-0125 EA 2-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550185).....	1,029.33	62.26
21 23 16 00-0126 EA 3" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550186).....	1,100.98	72.06
21 23 16 00-0127 EA 3/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550358).....	225.96	20.16
21 23 16 00-0128 EA 1" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550359).....	380.94	24.83
21 23 16 00-0129 EA 1-1/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550360).....	399.98	31.36
21 23 16 00-0130 EA 1-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550361).....	455.40	36.03
21 23 16 00-0131 EA 2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550362).....	627.49	42.57
21 23 16 00-0132 EA 2-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550363).....	1,204.65	62.26
21 23 16 00-0133 EA 3" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 17643).....	1,273.35	72.06
21 23 16 00-0134 Nozzles, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0135 EA Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem).....	57.97	6.91
21 23 16 00-0136 EA Swivel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem).....	81.85	8.77

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 23 Wet-Chemical Fire-Extinguishing Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0137	EA	Stainless Steel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	304.66	8.77
21 23 16 00-0138		Actuating Cylinders/Cartridges, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0139	EA	Carbon Dioxide Actuation Cartridge, Kitchen Fire Suppression Systems (Pyro-Chem 551059)	21.46	2.70
21 23 16 00-0140	EA	PAC-10, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550104)	702.84	87.64
21 23 16 00-0141	EA	PAC-200, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550690)	895.76	112.10
21 23 16 00-0142		Circuit Monitors, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0143	EA	24 Volt DC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550303)	459.47	57.40
21 23 16 00-0144	EA	120 Volt AC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550302)	554.38	69.17
21 23 16 00-0145		Control Heads, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0146	EA	Mechanical Control Head, No Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551203)	506.93	63.28
21 23 16 00-0147	EA	Mechanical Control Head With Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551200)	529.16	66.17
21 23 16 00-0148	EA	24 Volt DC, Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551201)	689.19	86.06
21 23 16 00-0149	EA	120 Volt AC Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551202)	790.72	98.94
21 23 16 00-0150	EA	Control Head Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550853)	64.22	8.03
21 23 16 00-0151		Corner Pulleys/Tees, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0152	EA	Set Screw Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 415670)	15.76	1.31
21 23 16 00-0153	EA	Compression Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 423250)	16.35	1.68
21 23 16 00-0154	EA	Tee Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550166)	51.49	6.44
21 23 16 00-0155	EA	Removal And Replacement Of Screw For Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550272)	0.68	
21 23 16 00-0156		Switches, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0157	EA	SPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550227)	56.00	7.00
21 23 16 00-0158	EA	DPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550237)	112.13	13.91
21 23 16 00-0159	EA	Four Pole Double Throw Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550978)	237.30	29.50
21 23 16 00-0160		Wire Rope/Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0161	LF	1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 15821)	1.19	0.28
21 23 16 00-0162	EA	Crimps For 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 550122)	0.75	0.28
21 23 16 00-0163	EA	High Temperature Stainless Steel Crimps, Kitchen Fire Suppression Systems (Pyro-Chem 551551)	2.78	0.37
21 23 16 00-0164	EA	"S" Hooks, Kitchen Fire Suppression Systems (Pyro-Chem 550121)	0.52	
21 23 16 00-0165		Replacement Parts, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0166	EA	Wet Valve Rebuilding Kit, Kitchen Fire Suppression Systems (Pyro-Chem 550698)	53.23	6.72
21 23 16 00-0167	EA	Wet Valve Cap With Schrader Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550831)	55.56	7.00
21 23 16 00-0168	EA	Wet Spring, Kitchen Fire Suppression Systems (Pyro-Chem 550705)	6.51	0.84
21 23 16 00-0169	EA	225 psi, Wet Gage, Kitchen Fire Suppression Systems (Pyro-Chem 551236)	76.19	9.15
21 23 16 00-0170	EA	Wet Valve O-ring, Kitchen Fire Suppression Systems (Pyro-Chem 550716)	10.70	1.31
21 23 16 00-0171	EA	Wet Piston, Kitchen Fire Suppression Systems (Pyro-Chem 550707)	14.90	1.87
21 23 16 00-0172	EA	Wet Piston O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 550715)	6.51	0.84
21 23 16 00-0173	EA	Wet Nozzle Cap, Kitchen Fire Suppression Systems (Pyro-Chem 551528)	9.18	1.12
21 23 16 00-0174	EA	Wet Nozzle Strainer, Kitchen Fire Suppression Systems (Pyro-Chem 551529)	8.97	1.12
21 23 16 00-0175	EA	Wet Nozzle Cap O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 551530)	2.57	0.28
21 23 16 00-0176	EA	Removal And Replacement Of Teflon Washer For Control Head Actuator, Kitchen Fire Suppression Systems (Pyro-Chem 550257)	4.33	
21 23 16 00-0177	EA	O-Ring Lubrication, Kitchen Fire Suppression Systems (Pyro-Chem 550063)	83.01	
21 23 16 00-0178	EA	3.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 551024)	561.17	
21 23 16 00-0179	EA	4.6 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550902)	730.63	
21 23 16 00-0180	EA	8.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550901)	844.93	
21 23 16 00-0181		Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0182	EA	3/8" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550857)	26.04	3.18
21 23 16 00-0183	EA	1/2" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550859)	26.99	3.36
21 23 16 00-0184	EA	Wet Valve Tool, Kitchen Fire Suppression Systems (Pyro-Chem 550788)	51.95	6.44
21 23 16 00-0185	EA	Recharge Adapter Kit, Kitchen Fire Suppression Systems (Pyro-Chem 551240)	73.51	
21 23 16 00-0186	EA	3.0 Gallon Of Wet Chemical For Recharge, Kitchen Fire Suppression Systems (Pyro-Chem 551188)	158.00	
21 23 16 00-0187		Pull Stations/Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0188	EA	Mechanical, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551074)	105.02	13.16
21 23 16 00-0189	EA	Electric, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551166)	114.27	18.48
21 23 16 00-0190	EA	Trim Ring For Flush Mounting Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 550088)	28.07	3.45
21 23 16 00-0191	EA	Glass Rods For Pull Stations, Kitchen Fire Suppression Systems (Pyro-Chem 428661)	4.06	1.21



Fire Suppression		21
Fire-Extinguishing Systems		21 20
Wet-Chemical Fire-Extinguishing Systems		21 23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0192 Asco Gas Valve Control Panels (21 23 16)		
21 23 16 00-0193 EA Relay Control Panel For AC Solenoid Valves (Asco 108D90C).....	1,716.86	205.35
21 23 16 00-0194 EA Relay Control Panel For DC Solenoid Valves (Asco 108D10C).....	1,771.08	205.35
21 23 16 00-0195 EA Master Control Station For Relay Control Panel For DC Solenoid Valves (Asco 216C89)	567.68	46.67
21 23 16 00-0196 EA Emergency Stop Station For Relay Control Panel (Asco 173A19).....	532.25	46.67
21 24 Dry-Chemical Fire-Extinguishing Systems (21 20)		
21 24 16 Dry-Chemical Fire-Extinguishing Equipment (21 24)		
21 24 16 00-0001 Amerex KP Restaurant Fire Suppression Systems (21 24 16)		
Note: Amerex or equal.		
21 24 16 00-0002 EA 3.75 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve.....	470.12	72.44
21 24 16 00-0003 EA 6 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve.....	652.35	91.31
21 24 16 00-0004 EA Recharge - KP Liquid Agent (3.75 Gallon).....	154.93	
21 24 16 00-0005 EA Recharge - KP Liquid Agent (6 Gallon).....	272.35	
21 24 16 00-0006 EA 3.75 Gallon, Bracket Assembly Agent Cylinder With Distribution Hose Assembly And Distribution Outlet.....	108.45	15.20
21 24 16 00-0007 EA 6 Gallon, Bracket Assembly Agent Cylinder.....	63.17	8.82
21 24 16 00-0008 EA 6 Gallon, 3/4 NPT, Agent Cylinder Discharge Adapter Kit.....	27.40	
21 24 16 00-0009 EA 6 Gallon, Pneumatic Actuator, Agent Cylinder.....	108.45	15.20
21 24 16 00-0010 EA MRM Actuator (Less N2 Cylinder And Enclosure)	272.35	38.11
21 24 16 00-0011 EA Painted Steel, MRM Enclosure.....	145.15	20.27
21 24 16 00-0012 EA Stainless Steel, MRM Enclosure.....	175.69	20.27
21 24 16 00-0013 EA Stainless Steel, Single Cylinder System Cabinet.....	432.18	60.50
21 24 16 00-0014 EA N2 - 1/4" x 16" Actuation Hose.....	32.62	4.56
21 24 16 00-0015 EA 10 CU. Inch, Nitrogen Cylinder.....	145.15	20.27
Note: Use For 1-10 Agent Cylinders		
21 24 16 00-0016 EA Vent Check.....	26.09	3.65
21 24 16 00-0017 EA Detector.....	19.56	2.74
Note: Includes bracket, linkage and conduit fittings.		
21 24 16 00-0018 EA 280 To 450 Degree F, Fusible Link.....	7.35	1.02
21 24 16 00-0019 EA Test Link.....	2.59	
21 24 16 00-0020 EA Corner Pulley.....	10.11	1.42
21 24 16 00-0021 EA 1/16", 500 Foot Spool, Cable.....	163.08	22.80
21 24 16 00-0022 EA Pulley Tee.....	73.38	10.24
21 24 16 00-0023 EA Manual Pull Station (Standard).....	65.23	9.12
21 24 16 00-0024 EA Manual Pull Station, Adapter Kit (Recess Standard Pull Station).....	30.60	4.25
21 24 16 00-0025 EA Manual Pull Station (Oversized).....	72.73	10.14
21 24 16 00-0026 EA Conduit Offset.....	14.51	2.03
21 24 16 00-0027 EA 3/8" Pipe Thread, Seal (Quick-Seal).....	20.00	2.84
21 24 16 00-0028 EA 1/2" Pipe Thread, Seal (Quick-Seal).....	16.31	2.33
21 24 16 00-0029 EA 3/8" Pipe Compression Seal.....	27.23	3.85
21 24 16 00-0030 EA 1/2" Pipe Compression Seal.....	27.23	3.85
21 24 16 00-0031 EA Cap, Nozzle Blow-Off (Standard).....	8.19	2.63
21 24 16 00-0032 EA Cap, Nozzle Blow-Off (High Temperature).....	18.17	2.63
21 24 16 00-0033 EA 2 Flow Points, Fryer/Griddle Nozzle.....	32.61	4.56
21 24 16 00-0034 EA 1 Flow Point Each, Appliance, Plenum Nozzle.....	32.61	4.56
21 24 16 00-0035 EA Nozzle - Solid Fuel Charbroiler - 1 To 1-1/2 Flow Points Each.....	32.61	4.56
21 24 16 00-0036 EA 1/2 Flow Points Each, Upright Charbroiler Nozzle.....	32.61	4.56
21 24 16 00-0037 EA 2 Flow Points Each, Duct (Only) Nozzle.....	32.61	4.56
21 24 16 00-0038 EA 2 Flow Points Each, Four Burner Range Nozzle.....	46.91	6.59
21 24 16 00-0039 EA 3/4" Or 1" Mechanical Gas Valve.....	256.90	26.86
21 24 16 00-0040 EA 1-1/4" Or 1-1/2" Mechanical Gas Valve.....	304.72	39.01
21 24 16 00-0041 EA 2" Mechanical Gas Valve.....	378.81	46.11
21 24 16 00-0042 EA Manual Reset Relay (Required With Every Electric Gas Valve)	410.96	57.46
21 24 16 00-0043 EA SPDT Microswitch With 18" Leads.....	21.63	3.04
21 24 16 00-0044 EA Kit Gas Valve Actuator For Use With ASCO Mechanical Gas Valve	34.90	4.87
21 24 16 00-0045 EA Gas Valve Trip Assembly.....	73.38	10.24
21 24 16 00-0046 Range Guard Fire Suppression Systems (21 24 16)		
Note: Range Guard or equal.		
21 24 16 00-0047 EA 1-1/4 Gallon Charged Cylinder With Valve.....	499.53	78.31
21 24 16 00-0048 EA 2-1/2 Gallon Charged Cylinder With Valve.....	623.56	97.73
21 24 16 00-0049 EA 4 Gallon Charged Cylinder With Valve.....	769.81	120.69
21 24 16 00-0050 EA 6 Gallon Charged Cylinder With Valve.....	914.37	143.28
21 24 16 00-0051 EA Vent Plug.....	20.99	3.27
21 24 16 00-0052 EA Discharge Adapter Kit.....	27.03	
21 24 16 00-0053 EA 1-1/4 Gallon Wall Bracket.....	55.60	8.68
21 24 16 00-0054 EA 2-1/2 Gallon Wall Bracket.....	58.84	9.24
21 24 16 00-0055 EA 4 Gallon Wall Bracket.....	111.13	17.46
21 24 16 00-0056 EA 6 Gallon Wall Bracket.....	123.16	19.32
21 24 16 00-0057 EA Mechanical Control Head, No Microswitch.....	434.52	68.14
21 24 16 00-0058 EA Mechanical Control Head, 1 Microswitch.....	453.34	71.03
21 24 16 00-0059 EA Mechanical Control Head, 2 Microswitches.....	520.06	81.48
21 24 16 00-0060 EA Tandem Control Head.....	395.18	61.98
21 24 16 00-0061 EA Electric Control Head, 120 Volt AC / 24 Volt DC.....	668.88	104.82
21 24 16 00-0062 EA Mechanical Control Box.....	297.66	46.67
21 24 16 00-0063 EA Tandem Control Box.....	297.66	46.67
21 24 16 00-0064 EA Mechanical Control Box Adapter.....	87.25	13.72

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 24 Dry-Chemical Fire-Extinguishing Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT
 UNIT COST
 DEMOLITION
 UNIT COST

21 24 16 00-0065	EA	A+ Control head With 1 Pressure Operated Actuator	262.19	41.07
21 24 16 00-0066	EA	Pressure Operated Actuator	107.77	16.89
21 24 16 00-0067	EA	BMCS-1 Nitrogen Cylinder	174.50	27.35
21 24 16 00-0068	EA	BMCS-1 Actuator Assembly	177.92	27.91
21 24 16 00-0069	EA	BMCS-1 Mounting Bracket	43.62	6.82
21 24 16 00-0070	EA	BMCS-7 Nitrogen Cylinder	503.49	78.87
21 24 16 00-0071	EA	BMCS-7 Mounting Bracket	107.77	16.89
21 24 16 00-0072	EA	BMCS-7 Discharge Adapter Kit	107.77	16.89
21 24 16 00-0073	EA	Check Valve	92.33	20.07
21 24 16 00-0074	EA	Vent Check For Use With BMCS Systems	48.75	7.65
21 24 16 00-0075	EA	Check Valve, (Schrader Flare Fitting) For Pressure Operated Actuator	21.21	3.33
21 24 16 00-0076	EA	Removal And Replacement Of Receiver Gasket For BMCS-Actuator Assembly	5.58	
21 24 16 00-0077	EA	Pneumatic Control Head For Slave Cylinders	111.19	17.46
21 24 16 00-0078	EA	Nozzles; ADP, F, R And GRW	50.98	8.03
21 24 16 00-0079	EA	Nozzles; DM And LPF	56.79	8.86
21 24 16 00-0080	EA	Swivel Adapter	35.92	5.60
21 24 16 00-0081	EA	Corner Pulley	15.40	2.43
21 24 16 00-0082	LF	1/16" Stainless Steel Cable	0.72	0.28
21 24 16 00-0083	EA	Cable Crimp Sleeve	0.86	0.28
21 24 16 00-0084	EA	"S" Hook	0.66	0.19
21 24 16 00-0085	EA	Electrical Metallic Tubing (EMT) Adapter, 1/2" Electrical Metallic Tubing (EMT) x 3/8" NPT	53.01	8.31
21 24 16 00-0086	EA	Cable Clamp	4.73	0.75
21 24 16 00-0087	EA	Nico Sleeves - 1/16" Cable	0.67	0.19
21 24 16 00-0088	EA	3/8" Cable Anchor	56.02	8.77
21 24 16 00-0089	EA	1/2" Cable Anchor	56.02	8.77
21 24 16 00-0090	EA	Mechanical Remote Manual Release (Pull Cable)	90.62	14.19
21 24 16 00-0091	EA	Tee Pulley, Use For Mechanical Pull And Gas Valve	96.71	15.12
21 24 16 00-0092	EA	Surface Remote Manual Release, End-of-line	113.30	17.74
21 24 16 00-0093	EA	Surface Remote Manual Release, In line Conservation Kit	35.50	5.60
21 24 16 00-0094	EA	Surface Remote Manual Release, In line And End Of Line	148.74	23.24
21 24 16 00-0095	EA	Recessed Remote Manual Release, End-of-line	113.30	17.74
21 24 16 00-0096	EA	Recessed Remote Manual Release, In Line Kit	135.07	21.19
21 24 16 00-0097	EA	Pulley Tee, Remote In Line Only	24.28	3.82
21 24 16 00-0098	EA	Fusible Link Housing Kit With 1 - Bracket, 2 - 1/2" Electrical Metallic Tubing (EMT) Connector, 1 - "S" Hook, 8 - Cable Crimp Sleeve	26.96	4.21
21 24 16 00-0099	EA	Fusible Link 165F To 360F	8.83	1.40
21 24 16 00-0100	EA	Fusible Link 500F	13.70	1.40
21 24 16 00-0101	EA	Standard Detector With 1 - 360F link, 2 - "S" Hooks, 2 - Crimp Sleeves	26.96	4.21
21 24 16 00-0102	EA	Standard Detector Kit With 1 - Large Bracket, 2 - "S" Hooks, 2 - Cable Crimp Sleeve	20.20	4.21
21 24 16 00-0103	EA	Quartzoid Link 400 F	145.32	22.77
21 24 16 00-0104	EA	Quartzoid Link 500 F	145.32	22.77
21 24 16 00-0105	EA	SPDT Micro Switch For Use With A Plus Control Box	52.09	8.12
21 24 16 00-0106	EA	DPDT Micro Switch For Use With A Plus Control Box	90.62	14.19
21 24 16 00-0107	EA	SPDT Micro Switch For Use With A Mechanical Control Box	53.86	8.40
21 24 16 00-0108	EA	DPDT Micro Switch For Use With A Mechanical Control Box	93.34	14.65
21 24 16 00-0109	EA	SPDT Micro Switch For Use With PRCB	68.39	10.73
21 24 16 00-0110	EA	DPDT Micro Switch For Use With PRCB	98.65	15.40
21 24 16 00-0111	EA	Pressure Switch, SPDT (Fire Dept. Tie In)	288.94	45.27
21 24 16 00-0112	EA	Circuit Monitor 12 Or 24 Volt DC	129.93	20.35
21 24 16 00-0113	EA	Circuit Monitor 120 Volt AC	129.93	20.35
21 24 16 00-0114	EA	Electric Manual Pull Station	94.89	14.84
21 24 16 00-0115	EA	6", 24 Volt DC, Motor Bell	53.00	8.31
21 24 16 00-0116	EA	10", 115 Volt AC Motor Bell	75.23	11.76
21 24 16 00-0117	EA	Fuse, 1.2 For ECH	6.10	0.94
21 24 16 00-0118	EA	Indicator Lamp 12 Or 24 Volt DC	26.96	4.21
21 24 16 00-0119	EA	Indicator Lamp 120 Volt AC	26.96	4.21
21 24 16 00-0120	EA	B-10 Manual Station Dual Action, SPDT	99.16	15.49
21 24 16 00-0121	EA	B-11 Manual Station Dual Action, DPDT	109.43	17.17
21 24 16 00-0122	EA	Break Rods For B10/B11 Manual Pull Station	3.12	1.21
21 24 16 00-0123	EA	Spare Key For B10/B11 Manual Stations	13.69	2.15
21 24 16 00-0124	EA	MT-24-LSM-VAR Multitone Signal With 15/75cd Strobe, 24 Volt, Flush Grill	147.03	23.05
21 24 16 00-0125	EA	Suppression Abort Station	155.59	24.36
21 24 16 00-0126	EA	Suppression Abort Station With Surface Mount Back Box	181.23	28.38
21 24 16 00-0127	EA	Surface Mount Back Box	59.85	9.34
21 24 16 00-0128	EA	Single Hazard Control Unit, 120 Volt AC IP	1,111.29	173.89
21 24 16 00-0129	EA	Single Hazard Control Unit, 240 Volt AC IP	1,111.29	173.89
21 24 16 00-0130	EA	1 Lead Acid Battery; 24 Volt DC, 1.2 A.H.	92.32	14.47
21 24 16 00-0131	EA	Accessory Kit - End-of-line Resistors (10K Ohms, 1/2 W)	3.59	0.66
21 24 16 00-0132	EA	Spare Scorpio Circuit Board	803.50	
21 24 16 00-0133	EA	Extra Scorpio Key	13.68	
21 24 16 00-0134	EA	Extra Scorpio Manual	8.54	
21 24 16 00-0135	EA	Compression Seal Adapter 3/8" Pipe	23.25	3.64
21 24 16 00-0136	EA	Compression Seal Adapter 1/2" Tubing/ 1/4" Pipe	25.24	3.92
21 24 16 00-0137	EA	Compression Seal Adapter 5/8" Tubing/ 3/8" Pipe	30.37	4.76
21 24 16 00-0138	EA	Compression Seal Adapter 3/4" Tubing/ 1/2" Pipe	32.48	5.04
21 24 16 00-0139	EA	Quik Seal Adapter 3/8" NPT Female	25.24	3.92
21 24 16 00-0140	EA	Quik Seal Adapter 1/2" NPT Female	25.24	3.92
21 24 16 00-0141	EA	Quik Seal Adapter 3/4" NPT Female	43.19	6.82
21 24 16 00-0142	EA	Quik Seal Adapter 1" NPT Female	57.27	8.96
21 24 16 00-0143	EA	Quik Patch (Up To 1-1/8" Diameter)	25.24	3.92
21 24 16 00-0144	EA	1-1/4 Gallon Karbaloy Charge	56.19	



Fire Suppression			21
Fire-Extinguishing Systems			21 20
Dry-Chemical Fire-Extinguishing Systems			21 24

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0145 EA 2-1/2 Gallon Karbaloy Charge.....	96.59	
21 24 16 00-0146 EA 4 Gallon Karbaloy Charge.....	145.99	
21 24 16 00-0147 EA 6 Gallon Karbaloy Charge.....	213.63	
21 24 16 00-0148 EA Inlet Flushing Adapter.....	41.89	6.53
21 24 16 00-0149 EA 1/2" Flushing Adapter (Outlet).....	41.89	6.53
21 24 16 00-0150 EA 1/8" Flushing Adapter (Outlet).....	41.89	6.53
21 24 16 00-0151 EA 1/4" Flushing Adapter (Outlet).....	41.89	6.53
21 24 16 00-0152 EA 3/8" Flushing Adapter (Outlet).....	41.89	6.53
21 24 16 00-0153 EA Recharge Adapter (Old Style Cylinder Valve Assembly Only).....	58.12	
21 24 16 00-0154 EA Instruction Label (In Case Of Fire) - MCB.....	4.70	
21 24 16 00-0155 EA Caution Sign (Turn On Fan).....	5.58	
21 24 16 00-0156 EA Inspection Label (Authorized installers only).....	3.99	
21 24 16 00-0157 EA Label, Warning, A+ Control Box.....	2.93	
21 24 16 00-0158 EA Wet Chemical System Kits, RG-1.25G Kit; #23315.....	735.12	115.08
21 24 16 00-0159 EA Wet Chemical System Kits, RG-2.5G Kit; #23316.....	858.22	134.31
21 24 16 00-0160 EA Wet Chemical System Kits, RG-4GS Kit; #23317.....	1,068.52	167.26
21 24 16 00-0161 EA Wet Chemical System Kits, RG-4GT Kit; #23318.....	1,068.52	167.26
21 24 16 00-0162 EA Wet Chemical System Kits, RG-6G Kit; #23319.....	1,343.76	210.29
21 24 16 00-0163 EA Wet Chemical System Kits, RG Mechanical Control HD (MCH) Kit; #23320.....	636.83	99.68
21 24 16 00-0164 EA Wet Chemical System Kits, RG Mechanical Control Box (MCB) Kit; #23321.....	598.36	93.62
21 24 16 00-0165 EA Wet Chemical System Kits, A Plus Control Box Kit; #23322.....	483.81	75.69
21 24 16 00-0166 EA Wet Chemical System Kits, Valve Rebuild Kit; #23210.....	837.69	131.14
21 24 16 00-0167 EA Wet Chemical System Kits, BMCS-1 Package; #23208.....	767.59	120.12

21 30 Fire Pumps⁽²¹⁾

21 31 Centrifugal Fire Pumps^(21 30)

21 31 13 Electric-Drive, Centrifugal Fire Pumps^(21 31)

21 31 13 00-0001 Electric-Drive Fire Pumps^(21 31 13)

Note: Includes fire pump, motor, motor starter, alarm panel, automatic transfer switch, and controller.

21 31 13 00-0002 EA 20 HP Electric Fire Pump.....	39,320.03	1,831.28
For Duplex Pumping System, Add	37,488.76	
21 31 13 00-0003 EA 30 HP Electric Fire Pump.....	45,785.21	2,060.18
For Duplex Pumping System, Add	43,877.64	
21 31 13 00-0004 EA 40 HP Electric Fire Pump.....	62,246.45	2,289.09
For Duplex Pumping System, Add	60,126.93	
21 31 13 00-0005 EA 50 HP Electric Fire Pump.....	76,959.24	2,651.52
For Duplex Pumping System, Add	74,307.72	
21 31 13 00-0006 EA 75 HP Electric Fire Pump.....	85,886.54	2,892.57
For Duplex Pumping System, Add	82,993.97	

21 31 16 Diesel-Drive, Centrifugal Fire Pumps^(21 31)

21 31 16 00-0001 Diesel-Drive Fire Pumps^(21 31 16)

Note: Pumps shall be stand alone units meeting NFPA-20 specs. Includes fire pump, motor, motor starter, alarm panel, and controller.

21 31 16 00-0002 EA 30 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	57,838.25	2,169.43
21 31 16 00-0003 EA 40 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	65,412.95	2,410.48
21 31 16 00-0004 EA 50 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	68,770.82	2,651.52
21 31 16 00-0005 EA 75 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	78,217.29	2,892.57
21 31 16 00-0006 EA 150 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	83,125.89	3,374.67
21 31 16 00-0007 EA 175 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	89,715.66	4,338.86
21 31 16 00-0008 EA 200 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	97,421.06	4,820.95
21 31 16 00-0009 EA 250 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	111,392.86	5,495.88
21 31 16 00-0010 EA 300 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	133,201.43	5,929.77
21 31 16 00-0011 EA 350 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	156,211.31	6,749.33
21 31 16 00-0012 EA 400 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	185,144.55	7,231.42
21 31 16 00-0013 EA 500 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	208,340.39	7,713.52

21 34 Fire Pump Accessories^(21 30)

21 34 13 Pressure Maintenance Pumps^(21 34)

21 34 13 00-0001 Jockey Pumps^(21 34 13)

Note: Includes pump and controller.

21 34 13 00-0002 EA Up To 3 HP, 1" Pipe Connection, Jockey Pump And Controller.....	4,155.42	482.10
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END OF SECTION 21

21	21	Fire Suppression
	21 30	Fire Pumps
	21 34	Fire Pump Accessories



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

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Plumbing		22
Operation and Maintenance of Plumbing		22 01
Operation and Maintenance of Plumbing Piping and Pumps		22 01 10

22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

22 01 Operation and Maintenance of Plumbing⁽²²⁾

22 01 10 Operation and Maintenance of Plumbing Piping and Pumps^(22 01)

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

22 01 10 61 Plumbing Piping Repairs^(22 01 10)

22 01 10 61-0001 Pipe Repair Clamps^(22 01 10 61)

22 01 10 61-0002	EA	1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	31.93
Note: Includes neoprene gasket			
22 01 10 61-0003	EA	3/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	33.45
Note: Includes neoprene gasket			
22 01 10 61-0004	EA	1" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	36.82
Note: Includes neoprene gasket			
22 01 10 61-0005	EA	1-1/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	39.39
Note: Includes neoprene gasket			
22 01 10 61-0006	EA	1-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	42.86
Note: Includes neoprene gasket			
22 01 10 61-0007	EA	2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	54.85
Note: Includes neoprene gasket			
22 01 10 61-0008	EA	2-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	70.77
Note: Includes neoprene gasket			
22 01 10 61-0009	EA	3" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	82.90
Note: Includes neoprene gasket			
22 01 10 61-0010	EA	4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	95.22
Note: Includes neoprene gasket			
22 01 10 61-0011	EA	1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	49.78
Note: Includes neoprene gasket			
22 01 10 61-0012	EA	3/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	52.72
Note: Includes neoprene gasket			
22 01 10 61-0013	EA	1" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	58.38
Note: Includes neoprene gasket			
22 01 10 61-0014	EA	1-1/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	64.16
Note: Includes neoprene gasket			
22 01 10 61-0015	EA	1-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	70.90
Note: Includes neoprene gasket			
22 01 10 61-0016	EA	2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	91.73
Note: Includes neoprene gasket			
22 01 10 61-0017	EA	2-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	113.10
Note: Includes neoprene gasket			
22 01 10 61-0018	EA	3" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	129.98
Note: Includes neoprene gasket			
22 01 10 61-0019	EA	4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	147.84
Note: Includes neoprene gasket			
22 01 10 61-0020	EA	1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	70.14
Note: Includes Buna rubber gasket			
22 01 10 61-0021	EA	3/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	73.36
Note: Includes Buna rubber gasket			
22 01 10 61-0022	EA	1" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	81.10
Note: Includes Buna rubber gasket			
22 01 10 61-0023	EA	1-1/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	88.96
Note: Includes Buna rubber gasket			
22 01 10 61-0024	EA	1-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	100.50
Note: Includes Buna rubber gasket			
22 01 10 61-0025	EA	2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	123.57
Note: Includes Buna rubber gasket			
22 01 10 61-0026	EA	2-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	147.70
Note: Includes Buna rubber gasket			
22 01 10 61-0027	EA	3" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	178.56
Note: Includes Buna rubber gasket			
22 01 10 61-0028	EA	4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	218.87
Note: Includes Buna rubber gasket			
22 01 10 61-0029	EA	5" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	225.10
Note: Includes Buna rubber gasket			
22 01 10 61-0030	EA	6" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	241.01
Note: Includes Buna rubber gasket			

22 01 40 Operation and Maintenance of Plumbing Fixtures^(22 01)

22 01 40 81 Plumbing Fixtures Replacement^(22 01 40)

22 01 40 81-0001 Fixture And/Or Trim Replacement^(22 01 40 81)

Note: Includes removal of existing item(s) and installation of new item(s).

22 01 40 81-0002	EA	3/8" To 1/2" Compression Shut-off Valve Replacement With 15" Polybutylene Supply Tube	53.43
22 01 40 81-0003	EA	3/8" Compression x 1/2" FIP, Braided Stainless Steel, Supply Lines To Sink/Lavatory Replacement	17.87
22 01 40 81-0004	EA	Chrome Supply Lines To Sink/Lavatory Replacement, Pair	26.21
22 01 40 81-0005	EA	Single Bowl Sink/Lavatory Drain Line Replacement	36.35

22 Plumbing**22 01 Operation and Maintenance of Plumbing****22 01 40 Operation and Maintenance of Plumbing Fixtures**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 01 40 81-0006	EA	Double Bowl Sink/Lavatory Drain Line Replacement.....	56.68	
22 01 40 81-0007	EA	Shower Head, Polished Chrome, Replacement.....	38.42	
22 01 40 81-0008	EA	Shower Arm Replacement.....	33.26	
22 01 40 81-0009	EA	Shower Head Replacement.....	38.11	
22 01 40 81-0010	EA	Shower Knob Replacement.....	31.16	
22 01 40 81-0011	EA	Shower and Tub Control Trim Replacement.....	88.38	
		Note: Excludes balancing valve.		
22 01 40 81-0012	EA	Sink Basket Strainer Replacement.....	22.55	
22 01 40 81-0013	EA	1-1/2" Replacement Sink Drain Without Stopper.....	12.73	
22 01 40 81-0014	EA	4-1/2" Replacement Sink Drain Without Stopper.....	13.31	
22 01 40 81-0015	EA	1-1/2" Replacement Sink Drain With Stopper.....	12.73	
22 01 40 81-0016	EA	1" Sink Rubber Stopper Replacement.....	7.98	
22 01 40 81-0017	EA	Sink Tailpiece Extension 1-1/2" x 8" Replacement.....	22.67	
22 01 40 81-0018	EA	Sink Trap, Adjustable, 1-1/2" Replacement.....	35.88	
22 01 40 81-0019	EA	Lavatory Pop-Up Rod Replacement.....	24.45	
22 01 40 81-0020	EA	Lavatory Pop-up Drain Stopper Replacement.....	27.36	
22 01 40 81-0021	EA	Faucet Handle Replacement.....	30.65	
22 01 40 81-0022	EA	Faucet O-Ring Replacement.....	23.38	
22 01 40 81-0023	EA	1-1/2" Faucet Hole Cover.....	15.93	
22 01 40 81-0024	EA	Toilet Ballcock Replacement.....	34.70	
22 01 40 81-0025	EA	Toilet Bowl Ring, Flat Wax, Replacement.....	6.60	
		Note: Excludes removal of toilet.		
22 01 40 81-0026	EA	Toilet Tank Replacement.....	140.59	
22 01 40 81-0027	EA	10" Toilet Bowl Replacement.....	172.92	
22 01 40 81-0028	EA	10", Low-Flush Watersaver, Toilet Bowl Replacement.....	187.19	
22 01 40 81-0029	EA	12" Toilet Bowl Replacement.....	200.95	
22 01 40 81-0030	EA	18", Elongated, Toilet Bowl Replacement.....	177.72	
22 01 40 81-0031	EA	Toilet Closet Bolt, 5/16" x 3" With Nuts And Washers Replacement.....	20.84	
22 01 40 81-0032	EA	Toilet Flapper With Chain Replacement.....	16.13	
22 01 40 81-0033	EA	Toilet Flush Tank Lever Replacement.....	17.14	
22 01 40 81-0034	EA	Elongated Toilet Seat With Lid Replacement.....	95.45	
22 01 40 81-0035	EA	Elongated Toilet Seat Without Lid Replacement.....	79.70	
22 01 40 81-0036	EA	Handicap Toilet Seat Replacement, Complete With Rails.....	140.11	
22 01 40 81-0037	EA	Diverter Tub Spout Replacement.....	47.07	
22 01 40 81-0038	EA	Tub Spout Replacement.....	34.21	
22 01 40 81-0039	EA	2" Tub Stopper, Replacement.....	9.64	
22 01 40 81-0040	EA	Tub Waste/Overflow Replacement.....	67.64	
22 01 40 81-0041	EA	Tub Stem Bonnet Assembly Replacement.....	33.80	
22 01 40 81-0042	EA	Faucet Bonnet Replacement.....	37.69	
22 01 40 81-0043	EA	Faucet Diverter Stem Replacement.....	23.50	
22 01 40 81-0044	EA	Faucet Diverter Stem And Bonnet Replacement.....	31.39	
22 01 40 81-0045	EA	Faucet Spout Replacement.....	36.09	
22 01 40 81-0046	EA	Faucet Stem Replacement.....	26.32	
22 01 40 81-0047	EA	Plastic, Chrome Plated Drinking Fountain Bubbler Valve With Flexible Bubbler Guard Replacement.....	161.43	
22 01 40 81-0048	EA	Brass, Chrome Plated Drinking Fountain Bubbler Valve Replacement.....	200.82	
22 01 40 81-0049	EA	Stainless Steel (Lead Free) Drinking Fountain Pushbutton Bubbler Valve Replacement.....	125.21	

22 05 Common Work Results for Plumbing ⁽²²⁾**22 05 13 Common Motor Requirements for Plumbing Equipment** ^(22 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

22 05 16 Expansion Fittings and Loops for Plumbing Piping ^(22 05)

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

22 05 17 Sleeves and Sleeve Seals for Plumbing Piping ^(22 05)

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

22 05 19 Meters and Gages for Plumbing Piping ^(22 05)

See CSI section 23 05 19 00-0000 for gages, 33 19 00 00-0000 for water utility service metering.

22 05 23 General Duty Valves for Plumbing Piping ^(22 05)

See CSI section 23 05 23 00-0000 for valves.

22 05 29 Hangers and Supports for Plumbing Piping and Equipment ^(22 05)

See CSI section 23 05 29 00-0000 for hangers and supports.

22 05 48 Vibration and Seismic Controls for Plumbing Piping and Equipment ^(22 05)**22 05 48 13 Vibration Controls for Plumbing Piping and Equipment** ^(22 05 48)

See CSI section 23 05 48 13-0000 for vibration and seismic control.

22 05 53 Identification for Plumbing Piping and Equipment ^(22 05)

See CSI section 23 05 53 00-0000 for identification.

22 05 76 Facility Drainage Piping Cleanouts ^(22 05)**22 05 76 00-0001 Cast Iron Cleanout With Plug And Cover** ^(22 05 76)



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
Note: For floor installation.				
22 05 76 00-0002		Cast Iron Cleanout With Plug And Round Or Square Cover (22 05 76 00-0001)		
22 05 76 00-0003	EA	2" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	580.90	53.92
		For Vandal Proof, Add	19.50	
		For Galvanized Ferrule, Add	45.00	
		For Carpet Marker, Add	16.00	
		For Carpet Flange, Add	58.50	
		For Wide Flange, Add	97.00	
		For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0004	EA	3" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	627.87	67.60
		For Vandal Proof, Add	19.50	
		For Galvanized Ferrule, Add	45.00	
		For Carpet Marker, Add	16.00	
		For Carpet Flange, Add	58.50	
		For Wide Flange, Add	97.00	
		For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0005	EA	4" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	783.96	81.69
		For Vandal Proof, Add	19.50	
		For Galvanized Ferrule, Add	45.00	
		For Carpet Marker, Add	16.00	
		For Carpet Flange, Add	58.50	
		For Wide Flange, Add	97.00	
		For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0006	EA	5" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,124.71	91.41
		For Vandal Proof, Add	19.50	
		For Galvanized Ferrule, Add	45.00	
		For Carpet Marker, Add	16.00	
		For Carpet Flange, Add	58.50	
		For Wide Flange, Add	97.00	
		For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0007	EA	6" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,384.21	99.01
		For Vandal Proof, Add	19.50	
		For Galvanized Ferrule, Add	45.00	
		For Carpet Marker, Add	16.00	
		For Carpet Flange, Add	58.50	
		For Wide Flange, Add	97.00	
		For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0008		Cast Iron Heavy Duty Cleanout With Plug And Round Cover (22 05 76 00-0001)		
22 05 76 00-0009	EA	2" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	669.34	53.92
		For Vandal Proof, Add	19.50	
		For Galvanized Ferrule, Add	45.00	
		For Carpet Marker, Add	16.00	
		For Carpet Flange, Add	58.50	
		For Wide Flange, Add	97.00	
		For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0010	EA	3" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	717.65	67.50
		For Vandal Proof, Add	19.50	
		For Galvanized Ferrule, Add	45.00	
		For Carpet Marker, Add	16.00	
		For Carpet Flange, Add	58.50	
		For Wide Flange, Add	97.00	
		For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0011	EA	4" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	873.80	81.69
		For Vandal Proof, Add	19.50	
		For Galvanized Ferrule, Add	45.00	
		For Carpet Marker, Add	16.00	
		For Carpet Flange, Add	58.50	
		For Wide Flange, Add	97.00	
		For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0012	EA	5" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,214.62	91.41
		For Vandal Proof, Add	19.50	
		For Galvanized Ferrule, Add	45.00	
		For Carpet Marker, Add	16.00	
		For Carpet Flange, Add	58.50	
		For Wide Flange, Add	97.00	
		For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0013	EA	6" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,474.02	99.01
		For Vandal Proof, Add	19.50	
		For Galvanized Ferrule, Add	45.00	
		For Carpet Marker, Add	16.00	
		For Carpet Flange, Add	58.50	
		For Wide Flange, Add	97.00	
		For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0014		Wall Cover For Cleanout (22 05 76)		
Note: Cover and screw only.				
22 05 76 00-0015		Round Access Cover, Bronze Polished Top (22 05 76 00-0014)		
Note: Cover and screw only.				
22 05 76 00-0016	EA	4-1/4" Diameter Wall Cover For Cleanout, Screwed	87.13	16.92
		For Stainless Steel, Add	9.00	
		For Vandal Proof Screws, Add	19.50	

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0017	EA	5-1/2" Diameter Wall Cover For Cleanout, Screwed	93.89	20.27
		For Stainless Steel, Add	9.00	
		For Vandal Proof Screws, Add	19.50	
22 05 76 00-0018	EA	7" Diameter Wall Cover For Cleanout, Screwed	120.01	22.80
		For Stainless Steel, Add	9.00	
		For Vandal Proof Screws, Add	19.50	
22 05 76 00-0019	EA	9-1/4" Diameter Wall Cover For Cleanout, Screwed	203.70	25.34
		For Stainless Steel, Add	9.00	
		For Vandal Proof Screws, Add	19.50	
22 05 76 00-0020	EA	11-1/4" Diameter Wall Cover For Cleanout, Screwed	307.03	27.87
		For Stainless Steel, Add	9.00	
		For Vandal Proof Screws, Add	19.50	
22 05 76 00-0021		Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014)		
		Note: Cover and screw only.		
22 05 76 00-0022	EA	7" x 7" Bronze Wall Or Floor Access Cover	419.93	16.92
		For Vandal Proof Screws, Add	19.50	
		For Nickel Bronze, Add	22.50	
22 05 76 00-0023	EA	9" x 9" Bronze Wall Or Floor Access Cover	603.97	17.74
		For Vandal Proof Screws, Add	19.50	
		For Nickel Bronze, Add	22.50	
22 05 76 00-0024	EA	10" x 10" Bronze Wall Or Floor Access Cover	645.34	18.75
		For Vandal Proof Screws, Add	19.50	
		For Nickel Bronze, Add	22.50	
22 05 76 00-0025	EA	14" x 14" Bronze Wall Or Floor Access Cover	721.90	21.29
		For Vandal Proof Screws, Add	19.50	
		For Nickel Bronze, Add	22.50	
22 05 76 00-0026		Secured Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014)		
		Note: Cover and screw only.		
22 05 76 00-0027	EA	6" x 6" Bronze Secured Wall Access Panel	419.39	16.92
		For Vandal Proof Screws, Add	19.50	
		For Nickel Bronze, Add	22.50	
22 05 76 00-0028	EA	8" x 8" Bronze Secured Wall Access Panel	603.18	17.74
		For Vandal Proof Screws, Add	19.50	
		For Nickel Bronze, Add	22.50	
22 05 76 00-0029	EA	10" x 10" Bronze Secured Wall Access Panel	644.48	18.75
		For Vandal Proof Screws, Add	19.50	
		For Nickel Bronze, Add	22.50	
22 05 76 00-0030	EA	12" x 12" Bronze Secured Wall Access Panel	720.96	21.29
		For Vandal Proof Screws, Add	19.50	
		For Nickel Bronze, Add	22.50	
22 05 76 00-0031		Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated (22 05 76 00-0014)		
		Note: Cover and screw only.		
22 05 76 00-0032	EA	6" x 6" Bronze Secured Hinged Access Panel, Scoriated	406.90	16.92
		For Vandal Proof Screws, Add	19.50	
		For Nickel Bronze, Add	22.50	
22 05 76 00-0033	EA	8" x 8" Bronze Secured Hinged Access Panel, Scoriated	562.12	17.74
		For Vandal Proof Screws, Add	19.50	
		For Nickel Bronze, Add	22.50	
22 05 76 00-0034	EA	10" x 10" Bronze Secured Hinged Access Panel, Scoriated	796.23	18.75
		For Vandal Proof Screws, Add	19.50	
		For Nickel Bronze, Add	22.50	
22 05 76 00-0035	EA	12" x 12" Bronze Secured Hinged Access Panel, Scoriated	963.75	21.29
		For Vandal Proof Screws, Add	19.50	
		For Nickel Bronze, Add	22.50	
22 05 76 00-0036		Cast Iron Cleanout Tee (22 05 76)		
22 05 76 00-0037		Cast Iron Cleanout Tee And Round Access Cover (22 05 76 00-0036)		
		Note: Satin smooth secured cover.		
22 05 76 00-0038	EA	2" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	421.80	53.92
		For Vandal Proof Screws, Add	19.50	
		For Galvanized Cast Iron Parts, Add	45.00	
22 05 76 00-0039	EA	3" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	481.79	67.50
		For Vandal Proof Screws, Add	19.50	
		For Galvanized Cast Iron Parts, Add	45.00	
22 05 76 00-0040	EA	4" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	629.25	81.69
		For Vandal Proof Screws, Add	19.50	
		For Galvanized Cast Iron Parts, Add	45.00	
22 05 76 00-0041	EA	6" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	1,506.01	99.01
		For Vandal Proof Screws, Add	19.50	
		For Galvanized Cast Iron Parts, Add	45.00	
22 05 76 00-0042		Cast Iron Cleanout Tee And Square Access Cover (22 05 76 00-0036)		
		Note: Satin smooth secured cover.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0043 EA 2" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover For Vandal Proof Screws, Add For Galvanized Cast Iron Parts, Add	735.80 19.50 45.00	53.92
22 05 76 00-0044 EA 3" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover For Vandal Proof Screws, Add For Galvanized Cast Iron Parts, Add	795.79 19.50 45.00	67.50
22 05 76 00-0045 EA 4" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover For Vandal Proof Screws, Add For Galvanized Cast Iron Parts, Add	922.41 19.50 45.00	81.69
22 05 76 00-0046 EA 6" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover For Vandal Proof Screws, Add For Galvanized Cast Iron Parts, Add	1,930.12 19.50 45.00	99.01
22 05 76 00-0047 Cast Iron Cleanout Tee With Brass Plug (22 05 76 00-0036)		
22 05 76 00-0048 EA 2" Cleanout Tee With Cast Bronze Screw Plug 22 05 76 00-0049 EA 3" Cleanout Tee With Cast Bronze Screw Plug 22 05 76 00-0050 EA 4" Cleanout Tee With Cast Bronze Screw Plug 22 05 76 00-0051 EA 5" Cleanout Tee With Cast Bronze Screw Plug 22 05 76 00-0052 EA 6" Cleanout Tee With Cast Bronze Screw Plug	345.64 386.49 515.11 775.05 1,323.30	44.08 48.14 63.35 75.00 88.68
22 05 76 00-0053 Removable Cleanout Plug (22 05 76)		
22 05 76 00-0054 Threaded Bronze Plugs (22 05 76 00-0053)		
22 05 76 00-0055 EA 1-1/4", 1-1/2" Or 2" Threaded Bronze Plug For Plug Tapped For Center Screw, Add 22 05 76 00-0056 EA 2-1/2" Threaded Bronze Plug For Plug Tapped For Center Screw, Add 22 05 76 00-0057 EA 3" Threaded Bronze Plug For Plug Tapped For Center Screw, Add 22 05 76 00-0058 EA 3-1/2" Threaded Bronze Plug For Plug Tapped For Center Screw, Add 22 05 76 00-0059 EA 4" Threaded Bronze Plug For Plug Tapped For Center Screw, Add 22 05 76 00-0060 EA 5" Threaded Bronze Plug For Plug Tapped For Center Screw, Add 22 05 76 00-0061 EA 6" Threaded Bronze Plug For Plug Tapped For Center Screw, Add 22 05 76 00-0062 EA 8" Threaded Bronze Plug For Plug Tapped For Center Screw, Add 22 05 76 00-0063 EA 10" Threaded Bronze Plug For Plug Tapped For Center Screw, Add	68.70 9.50 82.53 9.50 142.58 9.50 159.45 9.50 180.26 9.50 254.18 9.50 375.30 9.50 635.99 9.50 916.41 9.50	12.67 13.79 15.20 17.74 20.27 22.80 25.34 27.87 30.41
22 05 76 00-0064 Threaded Brass Plugs (22 05 76 00-0053)		
22 05 76 00-0065 EA 1-1/2" Threaded Brass Plug, Raised Head For Plug Tapped For Center Screw, Add 22 05 76 00-0066 EA 2" Threaded Brass Plug, Raised Head For Plug Tapped For Center Screw, Add 22 05 76 00-0067 EA 2-1/2" Threaded Brass Plug, Raised Head For Plug Tapped For Center Screw, Add 22 05 76 00-0068 EA 3" Threaded Brass Plug, Raised Head For Plug Tapped For Center Screw, Add 22 05 76 00-0069 EA 3-1/2" Threaded Brass Plug, Raised Head For Plug Tapped For Center Screw, Add 22 05 76 00-0070 EA 4" Threaded Brass Plug, Raised Head For Plug Tapped For Center Screw, Add 22 05 76 00-0071 EA 4-1/2" Threaded Brass Plug, Raised Head For Plug Tapped For Center Screw, Add 22 05 76 00-0072 EA 5" Threaded Brass Plug, Raised Head For Plug Tapped For Center Screw, Add 22 05 76 00-0073 EA 6" Threaded Brass Plug, Raised Head For Plug Tapped For Center Screw, Add 22 05 76 00-0074 EA 1-1/2" Threaded Brass Plug, Countersunk Head For Plug Tapped For Center Screw, Add 22 05 76 00-0075 EA 2" Threaded Brass Plug, Countersunk Head For Plug Tapped For Center Screw, Add 22 05 76 00-0076 EA 2-1/2" Threaded Brass Plug, Countersunk Head For Plug Tapped For Center Screw, Add 22 05 76 00-0077 EA 3" Threaded Brass Plug, Countersunk Head For Plug Tapped For Center Screw, Add 22 05 76 00-0078 EA 3-1/2" Threaded Brass Plug, Countersunk Head For Plug Tapped For Center Screw, Add 22 05 76 00-0079 EA 4" Threaded Brass Plug, Countersunk Head For Plug Tapped For Center Screw, Add 22 05 76 00-0080 EA 5" Threaded Brass Plug, Countersunk Head For Plug Tapped For Center Screw, Add 22 05 76 00-0081 EA 6" Threaded Brass Plug, Countersunk Head For Plug Tapped For Center Screw, Add	28.51 9.50 29.06 9.50 31.72 9.50 35.96 9.50 42.51 9.50 50.08 9.50 53.85 9.50 57.96 9.50 76.40 9.50 28.08 9.50 28.68 9.50 32.91 9.50 36.14 9.50 42.00 9.50 49.27 9.50 57.51 9.50 69.23 9.50	12.67 12.67 13.78 15.20 17.74 20.27 21.35 22.80 25.34 12.67 12.67 13.78 15.20 17.74 20.27 22.80 25.34

22 07 Plumbing Insulation (22)

22 Plumbing**22 07 Plumbing Insulation****22 07 16 Plumbing Equipment Insulation**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 07 16 Plumbing Equipment Insulation (22 07)**22 07 16 00-0001 Lavatory Insulation (22 07 16)**

22 07 16 00-0002 EA Neoprene Insulation Kit For Under Lavatories228.09 20.21

22 07 19 Plumbing Piping Insulation (22 07)**22 07 19 00-0001 Fiberglass Pipe Insulation (22 07 19)**

Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0002 1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)

22 07 19 00-0003 LF 1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)6.97 1.98
For Single Layer Of Felt Finish, Add0.17
For Work In Restricted Working Space, Add1.61
22 07 19 00-0004 LF 3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)7.15 1.98
For Single Layer Of Felt Finish, Add0.19
For Work In Restricted Working Space, Add1.61
22 07 19 00-0005 LF 1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)7.60 2.07
For Single Layer Of Felt Finish, Add0.20
For Work In Restricted Working Space, Add1.70
22 07 19 00-0006 LF 1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)7.90 2.16
For Single Layer Of Felt Finish, Add0.22
For Work In Restricted Working Space, Add1.73
22 07 19 00-0007 LF 1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)8.14 2.16
For Single Layer Of Felt Finish, Add0.24
For Work In Restricted Working Space, Add1.76
22 07 19 00-0008 LF 2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)8.62 2.25
For Single Layer Of Felt Finish, Add0.25
For Work In Restricted Working Space, Add1.86
22 07 19 00-0009 LF 2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)9.09 2.33
For Single Layer Of Felt Finish, Add0.29
For Work In Restricted Working Space, Add1.89
22 07 19 00-0010 LF 3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)9.63 2.42
For Single Layer Of Felt Finish, Add0.33
For Work In Restricted Working Space, Add1.96
22 07 19 00-0011 LF 4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)11.03 2.60
For Single Layer Of Felt Finish, Add0.42
For Work In Restricted Working Space, Add2.12
22 07 19 00-0012 LF 6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)13.04 3.06
For Single Layer Of Felt Finish, Add0.51
For Work In Restricted Working Space, Add2.47

22 07 19 00-0013 1" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)

22 07 19 00-0014 LF 1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)9.31 2.69
For Single Layer Of Felt Finish, Add0.20
For Work In Restricted Working Space, Add2.21
22 07 19 00-0015 LF 3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)9.59 2.69
For Single Layer Of Felt Finish, Add0.23
For Work In Restricted Working Space, Add2.21
22 07 19 00-0016 LF 1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)9.75 2.69
For Single Layer Of Felt Finish, Add0.24
For Work In Restricted Working Space, Add2.25
22 07 19 00-0017 LF 1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)10.15 2.78
For Single Layer Of Felt Finish, Add0.27
For Work In Restricted Working Space, Add2.28
22 07 19 00-0018 LF 1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)10.45 2.78
For Single Layer Of Felt Finish, Add0.29
For Work In Restricted Working Space, Add2.31
22 07 19 00-0019 LF 2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)10.91 2.88
For Single Layer Of Felt Finish, Add0.32
For Work In Restricted Working Space, Add2.37
22 07 19 00-0020 LF 2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)11.54 3.06
For Single Layer Of Felt Finish, Add0.35
For Work In Restricted Working Space, Add2.47
22 07 19 00-0021 LF 3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)12.18 3.15
For Single Layer Of Felt Finish, Add0.39
For Work In Restricted Working Space, Add2.53
22 07 19 00-0022 LF 4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)13.90 3.32
For Single Layer Of Felt Finish, Add0.51
For Work In Restricted Working Space, Add2.73
22 07 19 00-0023 LF 6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)16.14 3.86
For Single Layer Of Felt Finish, Add0.62
For Work In Restricted Working Space, Add3.08
22 07 19 00-0024 LF 8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)20.18 4.31
For Single Layer Of Felt Finish, Add0.88
For Work In Restricted Working Space, Add3.53



Plumbing			22	22
Plumbing Insulation			22 07	
Plumbing Piping Insulation			22 07 19	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0025	LF	10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.72 1.03 4.17	5.12
22 07 19 00-0026	LF	12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.19 1.17 4.81	5.84
22 07 19 00-0027	LF	14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.52 1.36 4.98	6.38
22 07 19 00-0028		1-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0029	LF	1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.62 0.41 2.31	2.77
22 07 19 00-0030	LF	3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.79 0.43 2.31	2.77
22 07 19 00-0031	LF	1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.46 0.45 2.45	2.94
22 07 19 00-0032	LF	1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.94 0.49 2.49	3.00
22 07 19 00-0033	LF	1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.34 0.51 2.54	3.06
22 07 19 00-0034	LF	2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.25 0.56 2.68	3.22
22 07 19 00-0035	LF	2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.93 0.62 2.72	3.27
22 07 19 00-0036	LF	3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.41 0.63 2.81	3.39
22 07 19 00-0037	LF	4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.06 0.73 3.04	3.66
22 07 19 00-0038	LF	6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.73 0.83 3.55	4.28
22 07 19 00-0039	LF	8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.38 1.04 3.75	4.51
22 07 19 00-0040	LF	10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.43 1.31 4.49	5.40
22 07 19 00-0041	LF	12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.99 1.43 5.22	6.29
22 07 19 00-0042	LF	14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.81 1.65 5.73	6.89
22 07 19 00-0043		2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0044	LF	1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.60 0.65 2.53	3.06
22 07 19 00-0045	LF	3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.80 0.67 2.53	3.06
22 07 19 00-0046	LF	1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.37 0.72 2.57	3.15
22 07 19 00-0047	LF	1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.86 0.75 2.60	3.15
22 07 19 00-0048	LF	1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.37 0.80 2.63	3.24
22 07 19 00-0049	LF	2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.99 0.83 2.73	3.32
22 07 19 00-0050	LF	2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.90 0.89 2.82	3.41
22 07 19 00-0051	LF	3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.89 0.96 2.92	3.59
22 07 19 00-0052	LF	4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.75 1.10 3.08	3.77

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0053	LF	6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.50	4.43
		For Single Layer Of Felt Finish, Add	1.28	
		For Work In Restricted Working Space, Add	3.70	
22 07 19 00-0054	LF	8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	28.05	4.68
		For Single Layer Of Felt Finish, Add	1.58	
		For Work In Restricted Working Space, Add	3.90	
22 07 19 00-0055	LF	10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	33.57	5.60
		For Single Layer Of Felt Finish, Add	1.89	
		For Work In Restricted Working Space, Add	4.67	
22 07 19 00-0056	LF	12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	38.40	6.71
		For Single Layer Of Felt Finish, Add	2.08	
		For Work In Restricted Working Space, Add	5.59	
22 07 19 00-0057	LF	14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	48.37	7.32
		For Single Layer Of Felt Finish, Add	2.35	
		For Work In Restricted Working Space, Add	7.80	
22 07 19 00-0058	LF	16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	51.47	8.58
		For Single Layer Of Felt Finish, Add	2.67	
		For Work In Restricted Working Space, Add	7.80	
22 07 19 00-0059	LF	18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	57.56	9.01
		For Single Layer Of Felt Finish, Add	3.18	
		For Work In Restricted Working Space, Add	8.19	
22 07 19 00-0060	LF	20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	65.16	10.29
		For Single Layer Of Felt Finish, Add	3.57	
		For Work In Restricted Working Space, Add	9.36	
22 07 19 00-0061	LF	24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	75.34	12.44
		For Single Layer Of Felt Finish, Add	3.95	
		For Work In Restricted Working Space, Add	11.31	
22 07 19 00-0062 2-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)				
22 07 19 00-0063	LF	1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.31	3.59
		For Single Layer Of Felt Finish, Add	0.90	
		For Work In Restricted Working Space, Add	2.93	
22 07 19 00-0064	LF	3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.61	3.59
		For Single Layer Of Felt Finish, Add	0.93	
		For Work In Restricted Working Space, Add	2.93	
22 07 19 00-0065	LF	1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.40	3.59
		For Single Layer Of Felt Finish, Add	1.00	
		For Work In Restricted Working Space, Add	2.97	
22 07 19 00-0066	LF	1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.01	3.68
		For Single Layer Of Felt Finish, Add	1.05	
		For Work In Restricted Working Space, Add	2.99	
22 07 19 00-0067	LF	1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.64	3.68
		For Single Layer Of Felt Finish, Add	1.11	
		For Work In Restricted Working Space, Add	3.02	
22 07 19 00-0068	LF	2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.49	3.86
		For Single Layer Of Felt Finish, Add	1.16	
		For Work In Restricted Working Space, Add	3.14	
22 07 19 00-0069	LF	2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.77	3.95
		For Single Layer Of Felt Finish, Add	1.25	
		For Work In Restricted Working Space, Add	3.25	
22 07 19 00-0070	LF	3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.91	4.14
		For Single Layer Of Felt Finish, Add	1.33	
		For Work In Restricted Working Space, Add	3.36	
22 07 19 00-0071	LF	4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.59	4.31
		For Single Layer Of Felt Finish, Add	1.55	
		For Work In Restricted Working Space, Add	3.54	
22 07 19 00-0072	LF	6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	30.53	4.58
		For Single Layer Of Felt Finish, Add	1.80	
		For Work In Restricted Working Space, Add	4.03	
22 07 19 00-0073	LF	8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	41.57	5.48
		For Single Layer Of Felt Finish, Add	2.79	
		For Work In Restricted Working Space, Add	4.49	
22 07 19 00-0074	LF	10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	49.81	6.29
		For Single Layer Of Felt Finish, Add	3.42	
		For Work In Restricted Working Space, Add	5.18	
22 07 19 00-0075	LF	12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	56.12	7.82
		For Single Layer Of Felt Finish, Add	3.64	
		For Work In Restricted Working Space, Add	6.44	
22 07 19 00-0076	LF	14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	63.69	8.63
		For Single Layer Of Felt Finish, Add	4.23	
		For Work In Restricted Working Space, Add	7.03	
22 07 19 00-0077	LF	16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	74.29	10.96
		For Single Layer Of Felt Finish, Add	4.66	
		For Work In Restricted Working Space, Add	8.98	
22 07 19 00-0078	LF	18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	80.12	11.50
		For Single Layer Of Felt Finish, Add	5.11	
		For Work In Restricted Working Space, Add	9.43	
22 07 19 00-0079	LF	20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	90.85	13.12
		For Single Layer Of Felt Finish, Add	5.77	
		For Work In Restricted Working Space, Add	10.78	
22 07 19 00-0080	LF	24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	106.55	15.84
		For Single Layer Of Felt Finish, Add	6.63	
		For Work In Restricted Working Space, Add	13.02	



Plumbing			22	22
Plumbing Insulation			22 07	
Plumbing Piping Insulation			22 07 19	

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
22 07 19 00-0081 3" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)					
22 07 19 00-0082	LF	1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.18		3.98
		For Single Layer Of Felt Finish, Add	0.99		
		For Work In Restricted Working Space, Add	3.23		
22 07 19 00-0083	LF	3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.50		3.98
		For Single Layer Of Felt Finish, Add	1.02		
		For Work In Restricted Working Space, Add	3.23		
22 07 19 00-0084	LF	1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.33		4.01
		For Single Layer Of Felt Finish, Add	1.10		
		For Work In Restricted Working Space, Add	3.27		
22 07 19 00-0085	LF	1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.98		4.04
		For Single Layer Of Felt Finish, Add	1.16		
		For Work In Restricted Working Space, Add	3.29		
22 07 19 00-0086	LF	1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.71		4.08
		For Single Layer Of Felt Finish, Add	1.22		
		For Work In Restricted Working Space, Add	3.33		
22 07 19 00-0087	LF	2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.60		4.23
		For Single Layer Of Felt Finish, Add	1.27		
		For Work In Restricted Working Space, Add	3.45		
22 07 19 00-0088	LF	2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.99		4.38
		For Single Layer Of Felt Finish, Add	1.38		
		For Work In Restricted Working Space, Add	3.57		
22 07 19 00-0089	LF	3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.26		4.54
		For Single Layer Of Felt Finish, Add	1.46		
		For Work In Restricted Working Space, Add	3.70		
22 07 19 00-0090	LF	4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	29.22		4.79
		For Single Layer Of Felt Finish, Add	1.70		
		For Work In Restricted Working Space, Add	3.90		
22 07 19 00-0091	LF	6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	33.53		5.44
		For Single Layer Of Felt Finish, Add	1.97		
		For Work In Restricted Working Space, Add	4.43		
22 07 19 00-0092	LF	8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	45.65		6.05
		For Single Layer Of Felt Finish, Add	3.06		
		For Work In Restricted Working Space, Add	4.94		
22 07 19 00-0093	LF	10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	54.71		6.99
		For Single Layer Of Felt Finish, Add	3.75		
		For Work In Restricted Working Space, Add	5.70		
22 07 19 00-0094	LF	12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	61.65		8.69
		For Single Layer Of Felt Finish, Add	3.99		
		For Work In Restricted Working Space, Add	7.08		
22 07 19 00-0095	LF	14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	69.95		9.48
		For Single Layer Of Felt Finish, Add	4.64		
		For Work In Restricted Working Space, Add	7.73		
22 07 19 00-0096	LF	16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	81.62		12.12
		For Single Layer Of Felt Finish, Add	5.11		
		For Work In Restricted Working Space, Add	9.88		
22 07 19 00-0097	LF	18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	88.01		12.73
		For Single Layer Of Felt Finish, Add	5.61		
		For Work In Restricted Working Space, Add	10.37		
22 07 19 00-0098	LF	20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	99.82		14.55
		For Single Layer Of Felt Finish, Add	6.33		
		For Work In Restricted Working Space, Add	11.86		
22 07 19 00-0099	LF	24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	117.05		17.56
		For Single Layer Of Felt Finish, Add	7.28		
		For Work In Restricted Working Space, Add	14.33		
22 07 19 00-0100 3-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)					
22 07 19 00-0101	LF	1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.70		4.31
		For Single Layer Of Felt Finish, Add	1.04		
		For Work In Restricted Working Space, Add	3.54		
22 07 19 00-0102	LF	3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.07		4.31
		For Single Layer Of Felt Finish, Add	1.08		
		For Work In Restricted Working Space, Add	3.54		
22 07 19 00-0103	LF	1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.30		4.31
		For Single Layer Of Felt Finish, Add	1.20		
		For Work In Restricted Working Space, Add	3.57		
22 07 19 00-0104	LF	1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.99		4.40
		For Single Layer Of Felt Finish, Add	1.26		
		For Work In Restricted Working Space, Add	3.59		
22 07 19 00-0105	LF	1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.82		4.40
		For Single Layer Of Felt Finish, Add	1.33		
		For Work In Restricted Working Space, Add	3.64		
22 07 19 00-0106	LF	2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.75		4.58
		For Single Layer Of Felt Finish, Add	1.39		
		For Work In Restricted Working Space, Add	3.76		
22 07 19 00-0107	LF	2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	27.28		4.76
		For Single Layer Of Felt Finish, Add	1.50		
		For Work In Restricted Working Space, Add	3.89		
22 07 19 00-0108	LF	3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	28.56		4.94
		For Single Layer Of Felt Finish, Add	1.59		
		For Work In Restricted Working Space, Add	4.03		

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0109	LF	4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	31.94	5.21
		For Single Layer Of Felt Finish, Add	1.86	
		For Work In Restricted Working Space, Add	4.26	
22 07 19 00-0110	LF	6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	36.61	5.93
		For Single Layer Of Felt Finish, Add	2.15	
		For Work In Restricted Working Space, Add	4.83	
22 07 19 00-0111	LF	8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	49.85	6.56
		For Single Layer Of Felt Finish, Add	3.35	
		For Work In Restricted Working Space, Add	5.39	
22 07 19 00-0112	LF	10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	59.77	7.55
		For Single Layer Of Felt Finish, Add	4.10	
		For Work In Restricted Working Space, Add	6.21	
22 07 19 00-0113	LF	12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	67.33	9.43
		For Single Layer Of Felt Finish, Add	4.37	
		For Work In Restricted Working Space, Add	7.73	
22 07 19 00-0114	LF	14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	76.44	10.33
		For Single Layer Of Felt Finish, Add	5.07	
		For Work In Restricted Working Space, Add	8.43	
22 07 19 00-0115	LF	16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	89.18	13.12
		For Single Layer Of Felt Finish, Add	5.59	
		For Work In Restricted Working Space, Add	10.78	
22 07 19 00-0116	LF	18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	96.13	13.83
		For Single Layer Of Felt Finish, Add	6.13	
		For Work In Restricted Working Space, Add	11.32	
22 07 19 00-0117	LF	20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	109.07	15.81
		For Single Layer Of Felt Finish, Add	6.92	
		For Work In Restricted Working Space, Add	12.95	
22 07 19 00-0118	LF	24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	127.87	19.04
		For Single Layer Of Felt Finish, Add	7.96	
		For Work In Restricted Working Space, Add	15.63	
22 07 19 00-0119 4" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)				
22 07 19 00-0120	LF	1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.67	4.85
		For Single Layer Of Felt Finish, Add	1.21	
		For Work In Restricted Working Space, Add	3.94	
22 07 19 00-0121	LF	3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.08	4.85
		For Single Layer Of Felt Finish, Add	1.26	
		For Work In Restricted Working Space, Add	3.94	
22 07 19 00-0122	LF	1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.16	4.85
		For Single Layer Of Felt Finish, Add	1.35	
		For Work In Restricted Working Space, Add	4.01	
22 07 19 00-0123	LF	1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	27.05	4.94
		For Single Layer Of Felt Finish, Add	1.42	
		For Work In Restricted Working Space, Add	4.05	
22 07 19 00-0124	LF	1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	28.21	5.12
		For Single Layer Of Felt Finish, Add	1.50	
		For Work In Restricted Working Space, Add	4.18	
22 07 19 00-0125	LF	2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	29.26	5.30
		For Single Layer Of Felt Finish, Add	1.56	
		For Work In Restricted Working Space, Add	4.31	
22 07 19 00-0126	LF	2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	30.68	5.30
		For Single Layer Of Felt Finish, Add	1.69	
		For Work In Restricted Working Space, Add	4.37	
22 07 19 00-0127	LF	3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	32.27	5.57
		For Single Layer Of Felt Finish, Add	1.80	
		For Work In Restricted Working Space, Add	4.53	
22 07 19 00-0128	LF	4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	35.90	5.84
		For Single Layer Of Felt Finish, Add	2.09	
		For Work In Restricted Working Space, Add	4.79	
22 07 19 00-0129	LF	6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	41.19	6.65
		For Single Layer Of Felt Finish, Add	2.42	
		For Work In Restricted Working Space, Add	5.43	
22 07 19 00-0130	LF	8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	56.09	7.18
		For Single Layer Of Felt Finish, Add	3.77	
		For Work In Restricted Working Space, Add	6.06	
22 07 19 00-0131	LF	10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	67.26	8.54
		For Single Layer Of Felt Finish, Add	4.61	
		For Work In Restricted Working Space, Add	7.00	
22 07 19 00-0132	LF	12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	75.77	10.60
		For Single Layer Of Felt Finish, Add	4.91	
		For Work In Restricted Working Space, Add	8.69	
22 07 19 00-0133	LF	14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	86.02	11.58
		For Single Layer Of Felt Finish, Add	5.71	
		For Work In Restricted Working Space, Add	9.50	
22 07 19 00-0134	LF	16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	100.37	14.82
		For Single Layer Of Felt Finish, Add	6.29	
		For Work In Restricted Working Space, Add	12.14	
22 07 19 00-0135	LF	18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	108.11	15.54
		For Single Layer Of Felt Finish, Add	6.90	
		For Work In Restricted Working Space, Add	12.72	
22 07 19 00-0136	LF	20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	120.99	17.79
		For Single Layer Of Felt Finish, Add	7.61	
		For Work In Restricted Working Space, Add	14.56	



Plumbing		22	22
Plumbing Insulation		22 07	
Plumbing Piping Insulation		22 07 19	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0137	LF	24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i>	143.87 8.95 17.59	21.47
22 07 19 00-0138	LF	26" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i>	163.69 9.93 20.73	25.33
22 07 19 00-0139	LF	28" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i>	183.55 10.73 24.41	29.82
22 07 19 00-0140	LF	30" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i>	205.73 11.48 28.91	35.21
22 07 19 00-0141	LF	36" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i>	246.77 13.04 36.76	44.76
22 07 19 00-0142	LF	42" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i>	287.82 14.61 44.61	54.52
22 07 19 00-0143	LF	44" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i>	308.39 15.17 49.17	59.91
22 07 19 00-0144	LF	46" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i>	327.11 15.78 53.05	64.49
22 07 19 00-0145		Foamglas Pipe Insulation, Rigid, Closed Cell (22 07 19) Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.		
22 07 19 00-0146		1" Thick Foamglas Pipe Insulation (22 07 19 00-0145)		
22 07 19 00-0147	LF	1/2" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	15.70 3.98	4.38
22 07 19 00-0148	LF	3/4" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	16.31 3.98	4.38
22 07 19 00-0149	LF	1" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	17.13 4.04	4.45
22 07 19 00-0150	LF	1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	17.52 4.10	4.51
22 07 19 00-0151	LF	1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	18.13 4.16	4.57
22 07 19 00-0152	LF	2" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	19.30 4.28	4.70
22 07 19 00-0153	LF	2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	20.76 4.45	4.89
22 07 19 00-0154	LF	3" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	22.34 4.56	5.02
22 07 19 00-0155	LF	4" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	25.76 4.91	5.40
22 07 19 00-0156	LF	6" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	32.67 5.54	6.09
22 07 19 00-0157		1-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0145)		
22 07 19 00-0158	LF	1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	18.52 4.28	4.86
22 07 19 00-0159	LF	3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	18.91 4.28	4.86
22 07 19 00-0160	LF	1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	19.49 4.33	4.92
22 07 19 00-0161	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	19.95 4.39	4.98
22 07 19 00-0162	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	20.39 4.45	5.05
22 07 19 00-0163	LF	2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	22.08 4.59	5.22
22 07 19 00-0164	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	24.93 4.77	5.42
22 07 19 00-0165	LF	3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	27.47 4.91	5.58
22 07 19 00-0166	LF	4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	31.06 5.23	5.93
22 07 19 00-0167	LF	6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	36.54 5.92	6.73
22 07 19 00-0168	LF	8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	40.85 6.60	7.50
22 07 19 00-0169	LF	10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	49.51 7.61	8.65
22 07 19 00-0170	LF	12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	58.81 9.46	10.75
22 07 19 00-0171	LF	14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	65.32 10.28	11.31

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0172	LF	16" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	71.93	12.63
		<i>For Work In Restricted Working Space, Add</i>	11.48	
22 07 19 00-0173	LF	18" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	81.60	14.94
		<i>For Work In Restricted Working Space, Add</i>	13.58	
22 07 19 00-0174	LF	20" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	91.14	16.54
		<i>For Work In Restricted Working Space, Add</i>	15.04	
22 07 19 00-0175	LF	24" Diameter Pipe, 1-1/2" Thick Fiberglass Insulation	113.50	18.32
		<i>For Work In Restricted Working Space, Add</i>	16.66	
22 07 19 00-0176 2" Thick Foamglas Pipe Insulation (22 07 19 00-0145)				
22 07 19 00-0177	LF	1/2" Diameter Pipe, 2" Thick Foamglas Insulation	20.78	5.02
		<i>For Work In Restricted Working Space, Add</i>	4.56	
22 07 19 00-0178	LF	3/4" Diameter Pipe, 2" Thick Foamglas Insulation	21.39	5.02
		<i>For Work In Restricted Working Space, Add</i>	4.56	
22 07 19 00-0179	LF	1" Diameter Pipe, 2" Thick Foamglas Insulation	22.17	5.07
		<i>For Work In Restricted Working Space, Add</i>	4.62	
22 07 19 00-0180	LF	1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation	23.31	5.15
		<i>For Work In Restricted Working Space, Add</i>	4.68	
22 07 19 00-0181	LF	1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	24.46	5.21
		<i>For Work In Restricted Working Space, Add</i>	4.73	
22 07 19 00-0182	LF	2" Diameter Pipe, 2" Thick Foamglas Insulation	27.29	5.40
		<i>For Work In Restricted Working Space, Add</i>	4.91	
22 07 19 00-0183	LF	2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	28.61	5.60
		<i>For Work In Restricted Working Space, Add</i>	5.08	
22 07 19 00-0184	LF	3" Diameter Pipe, 2" Thick Foamglas Insulation	30.67	5.77
		<i>For Work In Restricted Working Space, Add</i>	5.25	
22 07 19 00-0185	LF	4" Diameter Pipe, 2" Thick Foamglas Insulation	34.49	6.10
		<i>For Work In Restricted Working Space, Add</i>	5.54	
22 07 19 00-0186	LF	6" Diameter Pipe, 2" Thick Foamglas Insulation	41.21	6.92
		<i>For Work In Restricted Working Space, Add</i>	6.29	
22 07 19 00-0187	LF	8" Diameter Pipe, 2" Thick Foamglas Insulation	45.88	7.73
		<i>For Work In Restricted Working Space, Add</i>	7.02	
22 07 19 00-0188	LF	10" Diameter Pipe, 2" Thick Foamglas Insulation	55.78	8.90
		<i>For Work In Restricted Working Space, Add</i>	8.09	
22 07 19 00-0189	LF	12" Diameter Pipe, 2" Thick Foamglas Insulation	69.11	11.07
		<i>For Work In Restricted Working Space, Add</i>	10.06	
22 07 19 00-0190	LF	14" Diameter Pipe, 2" Thick Foamglas Insulation	73.85	12.08
		<i>For Work In Restricted Working Space, Add</i>	10.98	
22 07 19 00-0191	LF	16" Diameter Pipe, 2" Thick Foamglas Insulation	87.44	15.44
		<i>For Work In Restricted Working Space, Add</i>	14.04	
22 07 19 00-0192	LF	18" Diameter Pipe, 2" Thick Foamglas Insulation	95.26	16.21
		<i>For Work In Restricted Working Space, Add</i>	14.73	
22 07 19 00-0193	LF	20" Diameter Pipe, 2" Thick Foamglas Insulation	105.45	18.53
		<i>For Work In Restricted Working Space, Add</i>	16.85	
22 07 19 00-0194	LF	24" Diameter Pipe, 2" Thick Foamglas Insulation	132.17	22.39
		<i>For Work In Restricted Working Space, Add</i>	20.35	
22 07 19 00-0195 2-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0145)				
22 07 19 00-0196	LF	1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	25.18	5.45
		<i>For Work In Restricted Working Space, Add</i>	4.95	
22 07 19 00-0197	LF	3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	26.19	5.44
		<i>For Work In Restricted Working Space, Add</i>	4.94	
22 07 19 00-0198	LF	1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	27.49	5.53
		<i>For Work In Restricted Working Space, Add</i>	5.03	
22 07 19 00-0199	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	28.65	5.57
		<i>For Work In Restricted Working Space, Add</i>	5.06	
22 07 19 00-0200	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	29.81	5.61
		<i>For Work In Restricted Working Space, Add</i>	5.10	
22 07 19 00-0201	LF	2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	31.94	5.84
		<i>For Work In Restricted Working Space, Add</i>	5.31	
22 07 19 00-0202	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	33.97	6.04
		<i>For Work In Restricted Working Space, Add</i>	5.49	
22 07 19 00-0203	LF	3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	36.87	6.26
		<i>For Work In Restricted Working Space, Add</i>	5.69	
22 07 19 00-0204	LF	4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	41.27	6.59
		<i>For Work In Restricted Working Space, Add</i>	6.00	
22 07 19 00-0205	LF	6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	49.31	7.50
		<i>For Work In Restricted Working Space, Add</i>	6.82	
22 07 19 00-0206	LF	8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	54.95	8.36
		<i>For Work In Restricted Working Space, Add</i>	7.60	
22 07 19 00-0207	LF	10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	62.70	9.63
		<i>For Work In Restricted Working Space, Add</i>	8.76	
22 07 19 00-0208	LF	12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	78.08	11.99
		<i>For Work In Restricted Working Space, Add</i>	10.89	
22 07 19 00-0209	LF	14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	81.46	13.08
		<i>For Work In Restricted Working Space, Add</i>	11.89	
22 07 19 00-0210	LF	16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	96.16	16.72
		<i>For Work In Restricted Working Space, Add</i>	15.20	
22 07 19 00-0211	LF	18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	104.51	17.55
		<i>For Work In Restricted Working Space, Add</i>	15.96	
22 07 19 00-0212	LF	20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	120.16	20.06
		<i>For Work In Restricted Working Space, Add</i>	18.24	



Plumbing		22	22
Plumbing Insulation		22 07	
Plumbing Piping Insulation		22 07 19	

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
22 07 19 00-0213	LF	24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	150.41		24.24
		For Work In Restricted Working Space, Add	22.04		
22 07 19 00-0214 3" Thick Foamglas Pipe Insulation (22 07 19 00-0145)					
22 07 19 00-0215	LF	1/2" Diameter Pipe, 3" Thick Foamglas Insulation	30.35		5.78
		For Work In Restricted Working Space, Add	5.26		
22 07 19 00-0216	LF	3/4" Diameter Pipe, 3" Thick Foamglas Insulation	30.96		5.78
		For Work In Restricted Working Space, Add	5.26		
22 07 19 00-0217	LF	1" Diameter Pipe, 3" Thick Foamglas Insulation	31.87		5.88
		For Work In Restricted Working Space, Add	5.35		
22 07 19 00-0218	LF	1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation	32.61		5.92
		For Work In Restricted Working Space, Add	5.39		
22 07 19 00-0219	LF	1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	33.38		5.97
		For Work In Restricted Working Space, Add	5.43		
22 07 19 00-0220	LF	2" Diameter Pipe, 3" Thick Foamglas Insulation	35.86		6.21
		For Work In Restricted Working Space, Add	5.65		
22 07 19 00-0221	LF	2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	38.23		6.43
		For Work In Restricted Working Space, Add	5.84		
22 07 19 00-0222	LF	3" Diameter Pipe, 3" Thick Foamglas Insulation	43.40		6.66
		For Work In Restricted Working Space, Add	6.05		
22 07 19 00-0223	LF	4" Diameter Pipe, 3" Thick Foamglas Insulation	49.48		7.01
		For Work In Restricted Working Space, Add	6.38		
22 07 19 00-0224	LF	6" Diameter Pipe, 3" Thick Foamglas Insulation	54.21		7.98
		For Work In Restricted Working Space, Add	7.25		
22 07 19 00-0225	LF	8" Diameter Pipe, 3" Thick Foamglas Insulation	61.22		8.89
		For Work In Restricted Working Space, Add	8.09		
22 07 19 00-0226	LF	10" Diameter Pipe, 3" Thick Foamglas Insulation	73.00		10.26
		For Work In Restricted Working Space, Add	9.32		
22 07 19 00-0227	LF	12" Diameter Pipe, 3" Thick Foamglas Insulation	84.85		12.74
		For Work In Restricted Working Space, Add	11.59		
22 07 19 00-0228	LF	14" Diameter Pipe, 3" Thick Foamglas Insulation	90.87		13.91
		For Work In Restricted Working Space, Add	12.65		
22 07 19 00-0229	LF	16" Diameter Pipe, 3" Thick Foamglas Insulation	108.56		17.79
		For Work In Restricted Working Space, Add	16.17		
22 07 19 00-0230	LF	18" Diameter Pipe, 3" Thick Foamglas Insulation	116.19		18.67
		For Work In Restricted Working Space, Add	16.98		
22 07 19 00-0231	LF	20" Diameter Pipe, 3" Thick Foamglas Insulation	136.13		21.34
		For Work In Restricted Working Space, Add	19.40		
22 07 19 00-0232	LF	24" Diameter Pipe, 3" Thick Foamglas Insulation	166.41		25.79
		For Work In Restricted Working Space, Add	23.44		
22 07 19 00-0233 3-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0145)					
22 07 19 00-0234	LF	1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	36.55		7.01
		For Work In Restricted Working Space, Add	6.38		
22 07 19 00-0235	LF	3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	37.32		7.01
		For Work In Restricted Working Space, Add	6.38		
22 07 19 00-0236	LF	1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	38.25		7.06
		For Work In Restricted Working Space, Add	6.42		
22 07 19 00-0237	LF	1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	39.15		7.10
		For Work In Restricted Working Space, Add	6.46		
22 07 19 00-0238	LF	1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	40.20		7.19
		For Work In Restricted Working Space, Add	6.54		
22 07 19 00-0239	LF	2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	44.22		7.45
		For Work In Restricted Working Space, Add	6.77		
22 07 19 00-0240	LF	2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	48.26		7.71
		For Work In Restricted Working Space, Add	7.01		
22 07 19 00-0241	LF	3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	50.97		7.98
		For Work In Restricted Working Space, Add	7.25		
22 07 19 00-0242	LF	4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	54.58		8.43
		For Work In Restricted Working Space, Add	7.67		
22 07 19 00-0243	LF	6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	62.83		9.57
		For Work In Restricted Working Space, Add	8.70		
22 07 19 00-0244	LF	8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	71.42		10.66
		For Work In Restricted Working Space, Add	9.69		
22 07 19 00-0245	LF	10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	85.43		12.31
		For Work In Restricted Working Space, Add	11.19		
22 07 19 00-0246	LF	12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	100.96		15.29
		For Work In Restricted Working Space, Add	13.91		
22 07 19 00-0247	LF	14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	105.34		16.70
		For Work In Restricted Working Space, Add	15.18		
22 07 19 00-0248	LF	16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	126.31		21.34
		For Work In Restricted Working Space, Add	19.40		
22 07 19 00-0249	LF	18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	138.81		22.41
		For Work In Restricted Working Space, Add	20.37		
22 07 19 00-0250	LF	20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	158.03		25.63
		For Work In Restricted Working Space, Add	23.30		
22 07 19 00-0251	LF	24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	194.06		30.94
		For Work In Restricted Working Space, Add	28.13		
22 07 19 00-0252 4" Thick Foamglas Pipe Insulation (22 07 19 00-0145)					

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0253	LF	1/2" Diameter Pipe, 4" Thick Foamglas Insulation	.....	44.51	8.63
		<i>For Work In Restricted Working Space, Add</i>		7.84	
22 07 19 00-0254	LF	3/4" Diameter Pipe, 4" Thick Foamglas Insulation	.....	45.51	8.63
		<i>For Work In Restricted Working Space, Add</i>		7.84	
22 07 19 00-0255	LF	1" Diameter Pipe, 4" Thick Foamglas Insulation	.....	46.95	8.77
		<i>For Work In Restricted Working Space, Add</i>		7.97	
22 07 19 00-0256	LF	1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation	.....	48.27	8.88
		<i>For Work In Restricted Working Space, Add</i>		8.07	
22 07 19 00-0257	LF	1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	.....	50.10	9.15
		<i>For Work In Restricted Working Space, Add</i>		8.32	
22 07 19 00-0258	LF	2" Diameter Pipe, 4" Thick Foamglas Insulation	.....	54.12	9.43
		<i>For Work In Restricted Working Space, Add</i>		8.58	
22 07 19 00-0259	LF	2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	.....	57.71	9.58
		<i>For Work In Restricted Working Space, Add</i>		8.71	
22 07 19 00-0260	LF	3" Diameter Pipe, 4" Thick Foamglas Insulation	.....	60.58	9.94
		<i>For Work In Restricted Working Space, Add</i>		9.03	
22 07 19 00-0261	LF	4" Diameter Pipe, 4" Thick Foamglas Insulation	.....	66.22	11.08
		<i>For Work In Restricted Working Space, Add</i>		10.07	
22 07 19 00-0262	LF	6" Diameter Pipe, 4" Thick Foamglas Insulation	.....	76.59	11.89
		<i>For Work In Restricted Working Space, Add</i>		10.82	
22 07 19 00-0263	LF	8" Diameter Pipe, 4" Thick Foamglas Insulation	.....	86.46	12.89
		<i>For Work In Restricted Working Space, Add</i>		11.72	
22 07 19 00-0264	LF	10" Diameter Pipe, 4" Thick Foamglas Insulation	.....	99.03	15.33
		<i>For Work In Restricted Working Space, Add</i>		13.93	
22 07 19 00-0265	LF	12" Diameter Pipe, 4" Thick Foamglas Insulation	.....	115.71	19.04
		<i>For Work In Restricted Working Space, Add</i>		17.30	
22 07 19 00-0266	LF	14" Diameter Pipe, 4" Thick Foamglas Insulation	.....	125.83	20.78
		<i>For Work In Restricted Working Space, Add</i>		18.90	
22 07 19 00-0267	LF	16" Diameter Pipe, 4" Thick Foamglas Insulation	.....	149.36	26.57
		<i>For Work In Restricted Working Space, Add</i>		24.16	
22 07 19 00-0268	LF	18" Diameter Pipe, 4" Thick Foamglas Insulation	.....	166.16	27.86
		<i>For Work In Restricted Working Space, Add</i>		25.32	
22 07 19 00-0269	LF	20" Diameter Pipe, 4" Thick Foamglas Insulation	.....	186.26	31.88
		<i>For Work In Restricted Working Space, Add</i>		28.98	
22 07 19 00-0270	LF	24" Diameter Pipe, 4" Thick Foamglas Insulation	.....	236.24	38.52
		<i>For Work In Restricted Working Space, Add</i>		35.01	
22 07 19 00-0271		Flexible Polyethylene Tubing Closed Cell Foam Insulation (22 07 19)			
		Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.			
22 07 19 00-0272		3/8" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0271)			
22 07 19 00-0273	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	.....	5.72	2.68
		<i>For Work In Restricted Working Space, Add</i>		1.61	
22 07 19 00-0274	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	.....	5.73	2.68
		<i>For Work In Restricted Working Space, Add</i>		1.62	
22 07 19 00-0275	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	.....	5.96	2.78
		<i>For Work In Restricted Working Space, Add</i>		1.67	
22 07 19 00-0276	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	.....	6.20	2.88
		<i>For Work In Restricted Working Space, Add</i>		1.73	
22 07 19 00-0277	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	.....	6.42	2.93
		<i>For Work In Restricted Working Space, Add</i>		1.76	
22 07 19 00-0278	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	.....	6.67	2.98
		<i>For Work In Restricted Working Space, Add</i>		1.78	
22 07 19 00-0279	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	.....	6.78	2.98
		<i>For Work In Restricted Working Space, Add</i>		1.79	
22 07 19 00-0280	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	.....	7.07	2.98
		<i>For Work In Restricted Working Space, Add</i>		1.80	
22 07 19 00-0281	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	.....	7.63	3.07
		<i>For Work In Restricted Working Space, Add</i>		1.85	
22 07 19 00-0282	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	.....	7.88	3.12
		<i>For Work In Restricted Working Space, Add</i>		1.88	
22 07 19 00-0283		1/2" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0271)			
22 07 19 00-0284	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	.....	6.34	2.93
		<i>For Work In Restricted Working Space, Add</i>		1.76	
22 07 19 00-0285	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	.....	6.41	2.93
		<i>For Work In Restricted Working Space, Add</i>		1.77	
22 07 19 00-0286	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	.....	6.51	2.98
		<i>For Work In Restricted Working Space, Add</i>		1.78	
22 07 19 00-0287	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	.....	6.64	2.99
		<i>For Work In Restricted Working Space, Add</i>		1.80	
22 07 19 00-0288	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	.....	6.96	3.07
		<i>For Work In Restricted Working Space, Add</i>		1.84	
22 07 19 00-0289	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	.....	7.23	3.12
		<i>For Work In Restricted Working Space, Add</i>		1.87	
22 07 19 00-0290	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	.....	7.55	3.16
		<i>For Work In Restricted Working Space, Add</i>		1.90	
22 07 19 00-0291	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	.....	7.93	3.21
		<i>For Work In Restricted Working Space, Add</i>		1.93	
22 07 19 00-0292	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	.....	8.57	3.31
		<i>For Work In Restricted Working Space, Add</i>		1.98	



Plumbing			22	22
Plumbing Insulation			22 07	
Plumbing Piping Insulation			22 07 19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0293	LF	3"	I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.25 2.01	3.35
22 07 19 00-0294	LF	3-1/2"	I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.88 2.04	3.40
22 07 19 00-0295	LF	4"	I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.27 2.07	3.44
22 07 19 00-0296 3/4" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0271)					
22 07 19 00-0297	LF	1/4"	I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.06 1.90	3.16
22 07 19 00-0298	LF	3/8"	I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.15 1.93	3.21
22 07 19 00-0299	LF	1/2"	I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.59 1.98	3.31
22 07 19 00-0300	LF	3/4"	I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.79 2.01	3.35
22 07 19 00-0301	LF	1"	I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.34 2.07	3.44
22 07 19 00-0302	LF	1-1/4"	I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.90 2.09	3.49
22 07 19 00-0303	LF	1-1/2"	I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.15 2.11	3.51
22 07 19 00-0304	LF	2"	I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.17 2.12	3.54
22 07 19 00-0305	LF	2-1/2"	I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.57 2.18	3.63
22 07 19 00-0306	LF	3"	I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.66 2.21	3.68
22 07 19 00-0307	LF	3-1/2"	I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.68 2.24	3.72
22 07 19 00-0308	LF	4"	I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.11 2.27	3.77
22 07 19 00-0309 1" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0271)					
22 07 19 00-0310	LF	1/4"	I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.02 2.09	3.49
22 07 19 00-0311	LF	3/8"	I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.22 2.12	3.54
22 07 19 00-0312	LF	1/2"	I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.84 2.18	3.63
22 07 19 00-0313	LF	3/4"	I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.04 2.21	3.68
22 07 19 00-0314	LF	1"	I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.99 2.27	3.77
22 07 19 00-0315	LF	1-1/4"	I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.47 2.32	3.87
22 07 19 00-0316	LF	1-1/2"	I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.65 2.35	3.91
22 07 19 00-0317	LF	2"	I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.56 2.38	3.96
22 07 19 00-0318	LF	2-1/2"	I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.21 2.43	4.06
22 07 19 00-0319	LF	3"	I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.78 2.46	4.11
22 07 19 00-0320 Flexible Elastomeric Tubing Closed Cell Foam Insulation (22 07 19)					
Note: For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.					
22 07 19 00-0321 3/8" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0320)					
22 07 19 00-0322	LF	1/4"	I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	6.16 1.61	2.68
22 07 19 00-0323	LF	3/8"	I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	6.29 1.62	2.68
22 07 19 00-0324	LF	1/2"	I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	6.55 1.67	2.78
22 07 19 00-0325	LF	5/8"	I.D. (3/4" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	6.72 1.70	2.82
22 07 19 00-0326	LF	3/4"	I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	6.89 1.73	2.88
22 07 19 00-0327	LF	1"	I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.14 1.76	2.93
22 07 19 00-0328	LF	1-1/4"	I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.34 1.78	2.98
22 07 19 00-0329	LF	1-1/2"	I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.58 1.79	2.98
22 07 19 00-0330	LF	1-1/2"	IPS (1-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.78 1.80	2.98
22 07 19 00-0331	LF	2"	I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.98 1.81	3.02
22 07 19 00-0332	LF	2"	IPS (2-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.27 1.84	3.07

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0333	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.53	3.07
		<i>For Work In Restricted Working Space, Add</i>	1.85	
22 07 19 00-0334	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.70	3.12
		<i>For Work In Restricted Working Space, Add</i>	1.87	
22 07 19 00-0335	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.97	3.12
		<i>For Work In Restricted Working Space, Add</i>	1.88	
22 07 19 00-0336	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.56	3.16
		<i>For Work In Restricted Working Space, Add</i>	1.90	
22 07 19 00-0337	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.24	3.21
		<i>For Work In Restricted Working Space, Add</i>	1.93	
22 07 19 00-0338	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	11.00	3.23
		<i>For Work In Restricted Working Space, Add</i>	1.94	
22 07 19 00-0339 1/2" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0320)				
22 07 19 00-0340	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.04	2.93
		<i>For Work In Restricted Working Space, Add</i>	1.76	
22 07 19 00-0341	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.14	2.93
		<i>For Work In Restricted Working Space, Add</i>	1.77	
22 07 19 00-0342	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.26	2.98
		<i>For Work In Restricted Working Space, Add</i>	1.78	
22 07 19 00-0343	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.45	2.98
		<i>For Work In Restricted Working Space, Add</i>	1.79	
22 07 19 00-0344	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.60	2.98
		<i>For Work In Restricted Working Space, Add</i>	1.80	
22 07 19 00-0345	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	7.94	3.07
		<i>For Work In Restricted Working Space, Add</i>	1.84	
22 07 19 00-0346	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.27	3.12
		<i>For Work In Restricted Working Space, Add</i>	1.87	
22 07 19 00-0347	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.57	3.16
		<i>For Work In Restricted Working Space, Add</i>	1.90	
22 07 19 00-0348	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.88	3.19
		<i>For Work In Restricted Working Space, Add</i>	1.91	
22 07 19 00-0349	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.14	3.21
		<i>For Work In Restricted Working Space, Add</i>	1.93	
22 07 19 00-0350	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.11	3.26
		<i>For Work In Restricted Working Space, Add</i>	1.95	
22 07 19 00-0351	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.69	3.31
		<i>For Work In Restricted Working Space, Add</i>	1.98	
22 07 19 00-0352	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.14	3.33
		<i>For Work In Restricted Working Space, Add</i>	2.00	
22 07 19 00-0353	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	11.50	3.35
		<i>For Work In Restricted Working Space, Add</i>	2.01	
22 07 19 00-0354	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	11.78	3.38
		<i>For Work In Restricted Working Space, Add</i>	2.03	
22 07 19 00-0355	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	12.00	3.40
		<i>For Work In Restricted Working Space, Add</i>	2.04	
22 07 19 00-0356	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	13.13	3.44
		<i>For Work In Restricted Working Space, Add</i>	2.07	
22 07 19 00-0357	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	13.38	3.47
		<i>For Work In Restricted Working Space, Add</i>	2.08	
22 07 19 00-0358	LF	5" I.D. (5-9/16" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	14.50	3.49
		<i>For Work In Restricted Working Space, Add</i>	2.09	
22 07 19 00-0359	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	15.77	3.58
		<i>For Work In Restricted Working Space, Add</i>	2.15	
22 07 19 00-0360	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	17.21	3.68
		<i>For Work In Restricted Working Space, Add</i>	2.21	
22 07 19 00-0361 3/4" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0320)				
22 07 19 00-0362	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.23	3.16
		<i>For Work In Restricted Working Space, Add</i>	1.90	
22 07 19 00-0363	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.49	3.21
		<i>For Work In Restricted Working Space, Add</i>	1.93	
22 07 19 00-0364	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.85	3.31
		<i>For Work In Restricted Working Space, Add</i>	1.98	
22 07 19 00-0365	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.10	3.33
		<i>For Work In Restricted Working Space, Add</i>	2.00	
22 07 19 00-0366	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.19	3.35
		<i>For Work In Restricted Working Space, Add</i>	2.01	
22 07 19 00-0367	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.76	3.44
		<i>For Work In Restricted Working Space, Add</i>	2.07	
22 07 19 00-0368	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.24	3.49
		<i>For Work In Restricted Working Space, Add</i>	2.09	
22 07 19 00-0369	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.71	3.54
		<i>For Work In Restricted Working Space, Add</i>	2.12	
22 07 19 00-0370	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.84	3.54
		<i>For Work In Restricted Working Space, Add</i>	2.12	
22 07 19 00-0371	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	11.02	3.56
		<i>For Work In Restricted Working Space, Add</i>	2.14	
22 07 19 00-0372	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	11.59	3.58
		<i>For Work In Restricted Working Space, Add</i>	2.15	
22 07 19 00-0373	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	11.88	3.63
		<i>For Work In Restricted Working Space, Add</i>	2.18	



		Plumbing	22
		Plumbing Insulation	22 07
		Plumbing Piping Insulation	22 07 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0374 LF 2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....12.55 <i>For Work In Restricted Working Space, Add</i> 2.19	13.00	3.65
22 07 19 00-0375 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....13.00 <i>For Work In Restricted Working Space, Add</i> 2.21	13.70	3.68
22 07 19 00-0376 LF 3" IPS (3-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....13.70 <i>For Work In Restricted Working Space, Add</i> 2.22	13.97	3.71
22 07 19 00-0377 LF 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....13.97 <i>For Work In Restricted Working Space, Add</i> 2.24	15.01	3.72
22 07 19 00-0378 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....15.01 <i>For Work In Restricted Working Space, Add</i> 2.27	15.85	3.77
22 07 19 00-0379 LF 4" IPS (4-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....15.85 <i>For Work In Restricted Working Space, Add</i> 2.28	17.28	3.80
22 07 19 00-0380 LF 5" IPS (5-9/16" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....17.28 <i>For Work In Restricted Working Space, Add</i> 2.29	18.77	3.81
22 07 19 00-0381 LF 6" IPS (6-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation .....18.77 <i>For Work In Restricted Working Space, Add</i> 2.32	20.55	3.87
22 07 19 00-0382 LF 8" IPS (8-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation .....20.55 <i>For Work In Restricted Working Space, Add</i> 2.38		3.96
22 07 19 00-0383 1" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0320)		
22 07 19 00-0384 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....9.77 <i>For Work In Restricted Working Space, Add</i> 2.09	10.09	3.48
22 07 19 00-0385 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....10.09 <i>For Work In Restricted Working Space, Add</i> 2.12	10.48	3.54
22 07 19 00-0386 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....10.48 <i>For Work In Restricted Working Space, Add</i> 2.18	10.85	3.63
22 07 19 00-0387 LF 5/8" I.D. (3/4" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....10.85 <i>For Work In Restricted Working Space, Add</i> 2.19	11.17	3.65
22 07 19 00-0388 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....11.17 <i>For Work In Restricted Working Space, Add</i> 2.21	11.70	3.68
22 07 19 00-0389 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....11.70 <i>For Work In Restricted Working Space, Add</i> 2.27	12.55	3.77
22 07 19 00-0390 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....12.55 <i>For Work In Restricted Working Space, Add</i> 2.32	12.97	3.87
22 07 19 00-0391 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....12.97 <i>For Work In Restricted Working Space, Add</i> 2.35	13.57	3.87
22 07 19 00-0392 LF 1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....13.57 <i>For Work In Restricted Working Space, Add</i> 2.36	13.78	3.91
22 07 19 00-0393 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....13.78 <i>For Work In Restricted Working Space, Add</i> 2.38	15.08	3.96
22 07 19 00-0394 LF 2" IPS (2-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....15.08 <i>For Work In Restricted Working Space, Add</i> 2.41	16.08	4.02
22 07 19 00-0395 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....16.08 <i>For Work In Restricted Working Space, Add</i> 2.43	17.37	4.06
22 07 19 00-0396 LF 2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....17.37 <i>For Work In Restricted Working Space, Add</i> 2.45	17.74	4.09
22 07 19 00-0397 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....17.74 <i>For Work In Restricted Working Space, Add</i> 2.46	18.41	4.11
22 07 19 00-0398 LF 3" IPS (3-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....18.41 <i>For Work In Restricted Working Space, Add</i> 2.48	18.74	4.14
22 07 19 00-0399 LF 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....18.74 <i>For Work In Restricted Working Space, Add</i> 2.49	21.18	4.15
22 07 19 00-0400 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....21.18 <i>For Work In Restricted Working Space, Add</i> 2.54	22.84	4.25
22 07 19 00-0401 LF 4" IPS (4-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....22.84 <i>For Work In Restricted Working Space, Add</i> 2.58	25.31	4.30
22 07 19 00-0402 LF 5" IPS (5-9/16" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....25.31 <i>For Work In Restricted Working Space, Add</i> 2.60	27.91	4.34
22 07 19 00-0403 LF 6" IPS (6-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....27.91 <i>For Work In Restricted Working Space, Add</i> 2.66		4.44
22 07 19 00-0404 1-1/2" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0320)		
22 07 19 00-0405 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....15.73 <i>For Work In Restricted Working Space, Add</i> 2.35	16.13	3.90
22 07 19 00-0406 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....16.13 <i>For Work In Restricted Working Space, Add</i> 2.40	16.51	3.99
22 07 19 00-0407 LF 5/8" I.D. (3/4" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....16.51 <i>For Work In Restricted Working Space, Add</i> 2.41	16.88	4.02
22 07 19 00-0408 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....16.88 <i>For Work In Restricted Working Space, Add</i> 2.42	17.37	4.06
22 07 19 00-0409 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....17.37 <i>For Work In Restricted Working Space, Add</i> 2.48	18.17	4.14
22 07 19 00-0410 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....18.17 <i>For Work In Restricted Working Space, Add</i> 2.57	19.38	4.30
22 07 19 00-0411 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....19.38 <i>For Work In Restricted Working Space, Add</i> 2.60	20.42	4.23
22 07 19 00-0412 LF 1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....20.42 <i>For Work In Restricted Working Space, Add</i> 2.63	21.06	4.33
22 07 19 00-0413 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....21.06 <i>For Work In Restricted Working Space, Add</i> 2.66	23.09	4.44
22 07 19 00-0414 LF 2" IPS (2-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....23.09 <i>For Work In Restricted Working Space, Add</i> 2.69		4.49

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0415	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	25.00	4.54
		<i>For Work In Restricted Working Space, Add</i>	2.72	
22 07 19 00-0416	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	25.91	4.56
		<i>For Work In Restricted Working Space, Add</i>	2.73	
22 07 19 00-0417	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	26.80	4.57
		<i>For Work In Restricted Working Space, Add</i>	2.75	
22 07 19 00-0418	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.86	4.60
		<i>For Work In Restricted Working Space, Add</i>	2.76	
22 07 19 00-0419	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	28.52	4.62
		<i>For Work In Restricted Working Space, Add</i>	2.77	
22 07 19 00-0420	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	32.08	4.79
		<i>For Work In Restricted Working Space, Add</i>	2.86	
22 07 19 00-0421	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	34.00	4.86
		<i>For Work In Restricted Working Space, Add</i>	2.91	
22 07 19 00-0422	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	38.68	4.93
		<i>For Work In Restricted Working Space, Add</i>	2.96	
22 07 19 00-0423	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	43.30	5.08
		<i>For Work In Restricted Working Space, Add</i>	3.05	
22 07 19 00-0424 2" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0320)				
22 07 19 00-0425	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	23.54	4.31
		<i>For Work In Restricted Working Space, Add</i>	2.59	
22 07 19 00-0426	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	24.51	4.38
		<i>For Work In Restricted Working Space, Add</i>	2.64	
22 07 19 00-0427	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	26.26	4.41
		<i>For Work In Restricted Working Space, Add</i>	2.65	
22 07 19 00-0428	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	26.86	4.45
		<i>For Work In Restricted Working Space, Add</i>	2.66	
22 07 19 00-0429	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	28.29	4.54
		<i>For Work In Restricted Working Space, Add</i>	2.72	
22 07 19 00-0430	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	30.01	4.75
		<i>For Work In Restricted Working Space, Add</i>	2.85	
22 07 19 00-0431	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	31.07	4.63
		<i>For Work In Restricted Working Space, Add</i>	2.87	
22 07 19 00-0432	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	32.95	4.79
		<i>For Work In Restricted Working Space, Add</i>	2.92	
22 07 19 00-0433	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	34.75	4.95
		<i>For Work In Restricted Working Space, Add</i>	2.98	
22 07 19 00-0434	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	35.96	5.02
		<i>For Work In Restricted Working Space, Add</i>	3.01	
22 07 19 00-0435	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	38.47	5.08
		<i>For Work In Restricted Working Space, Add</i>	3.03	
22 07 19 00-0436	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	38.76	5.09
		<i>For Work In Restricted Working Space, Add</i>	3.05	
22 07 19 00-0437	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	41.12	5.10
		<i>For Work In Restricted Working Space, Add</i>	3.07	
22 07 19 00-0438	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	42.76	5.12
		<i>For Work In Restricted Working Space, Add</i>	3.08	
22 07 19 00-0439	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	44.50	5.15
		<i>For Work In Restricted Working Space, Add</i>	3.08	
22 07 19 00-0440	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	50.23	5.39
		<i>For Work In Restricted Working Space, Add</i>	3.22	
22 07 19 00-0441	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	53.56	5.50
		<i>For Work In Restricted Working Space, Add</i>	3.29	
22 07 19 00-0442	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	54.51	5.61
		<i>For Work In Restricted Working Space, Add</i>	3.36	
22 07 19 00-0443	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	61.44	5.83
		<i>For Work In Restricted Working Space, Add</i>	3.50	
22 07 19 00-0444 Flexible Polyolefin Tubing Closed Cell Foam Insulation (22 07 19)				
Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.				
22 07 19 00-0445 3/8" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0444)				
22 07 19 00-0446	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.87	2.68
		<i>For Work In Restricted Working Space, Add</i>	1.61	
22 07 19 00-0447	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.95	2.68
		<i>For Work In Restricted Working Space, Add</i>	1.62	
22 07 19 00-0448	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.17	2.78
		<i>For Work In Restricted Working Space, Add</i>	1.67	
22 07 19 00-0449	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.45	2.88
		<i>For Work In Restricted Working Space, Add</i>	1.73	
22 07 19 00-0450	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.63	2.93
		<i>For Work In Restricted Working Space, Add</i>	1.76	
22 07 19 00-0451	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.95	2.98
		<i>For Work In Restricted Working Space, Add</i>	1.78	
22 07 19 00-0452	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.20	2.98
		<i>For Work In Restricted Working Space, Add</i>	1.79	
22 07 19 00-0453	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.39	3.07
		<i>For Work In Restricted Working Space, Add</i>	1.80	
22 07 19 00-0454	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.19	3.07
		<i>For Work In Restricted Working Space, Add</i>	1.85	



Plumbing		22	22
Plumbing Insulation		22 07	
Plumbing Piping Insulation		22 07 19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0455	LF	3"	I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.91 1.88	3.12
22 07 19 00-0456	LF	4"	I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.78 1.93	3.21
22 07 19 00-0457 1/2" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0444)					
22 07 19 00-0458	LF	1/4"	I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	6.61 1.76	2.93
22 07 19 00-0459	LF	3/8"	I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	6.67 1.77	2.93
22 07 19 00-0460	LF	1/2"	I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	6.81 1.78	2.98
22 07 19 00-0461	LF	3/4"	I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.02 1.80	2.98
22 07 19 00-0462	LF	1"	I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.25 1.84	3.07
22 07 19 00-0463	LF	1-1/4"	I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.61 1.87	3.12
22 07 19 00-0464	LF	1-1/2"	I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.01 1.90	3.16
22 07 19 00-0465	LF	2"	I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.39 1.93	3.21
22 07 19 00-0466	LF	2-1/2"	I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.24 1.98	3.31
22 07 19 00-0467	LF	3"	I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.01 2.01	3.35
22 07 19 00-0468	LF	4"	I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.47 2.07	3.44
22 07 19 00-0469 3/4" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0444)					
22 07 19 00-0470	LF	1/4"	I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.47 1.90	3.16
22 07 19 00-0471	LF	3/8"	I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.74 1.93	3.21
22 07 19 00-0472	LF	1/2"	I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.05 1.98	3.31
22 07 19 00-0473	LF	3/4"	I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.58 2.01	3.35
22 07 19 00-0474	LF	1"	I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.06 2.07	3.44
22 07 19 00-0475	LF	1-1/4"	I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.91 2.09	3.49
22 07 19 00-0476	LF	1-1/2"	I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.46 2.11	3.49
22 07 19 00-0477	LF	2"	I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.10 2.12	3.54
22 07 19 00-0478	LF	2-1/2"	I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.31 2.18	3.63
22 07 19 00-0479	LF	3"	I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.43 2.21	3.68
22 07 19 00-0480	LF	4"	I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	15.57 2.27	3.77
22 07 19 00-0481 1" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0444)					
22 07 19 00-0482	LF	1/4"	I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.97 2.09	3.49
22 07 19 00-0483	LF	3/8"	I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.11 2.12	3.54
22 07 19 00-0484	LF	1/2"	I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.43 2.18	3.63
22 07 19 00-0485	LF	3/4"	I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.19 2.21	3.68
22 07 19 00-0486	LF	1"	I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.81 2.27	3.77
22 07 19 00-0487	LF	1-1/4"	I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.45 2.32	3.87
22 07 19 00-0488	LF	1-1/2"	I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.07 2.35	3.87
22 07 19 00-0489	LF	2"	I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.49 2.38	3.96
22 07 19 00-0490	LF	2-1/2"	I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	15.37 2.43	4.06
22 07 19 00-0491	LF	3"	I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	16.73 2.46	4.11
22 07 19 00-0492	Insulation Protective Jacketing (22 07 19) Note: Jacketing only and must be added to insulation prices.				
22 07 19 00-0493	Aluminum Insulation Protective Jacketing With Bands (22 07 19 00-0492)				

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 07 19 00-0494		Aluminum Roll, Insulation Protective Jacketing With Bands (22 07 19 00-0493)			
22 07 19 00-0495	SF	0.006" Aluminum Insulation Jacket With Bands	13.48	5.75	
22 07 19 00-0496	SF	0.010" Aluminum Insulation Jacket With Bands	13.70	5.75	
22 07 19 00-0497	SF	0.016" Aluminum Insulation Jacket With Bands	13.90	5.75	
22 07 19 00-0498	SF	0.020" Aluminum Insulation Jacket With Bands	14.10	5.75	
22 07 19 00-0499	SF	0.024" Aluminum Insulation Jacket With Bands	14.27	5.75	
22 07 19 00-0500		16 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0493)			
22 07 19 00-0501	LF	1/2" ID, 0.016" Aluminum Insulation Jacketing	6.88	1.63	
		For Stucco Embossed, Add	0.00		
		For Corrugated, Add	0.01		
22 07 19 00-0502	LF	3/4" ID, 0.016" Aluminum Insulation Jacketing	7.13	1.67	
		For Stucco Embossed, Add	0.00		
		For Corrugated, Add	0.01		
22 07 19 00-0503	LF	1" ID, 0.016" Aluminum Insulation Jacketing	7.37	1.72	
		For Stucco Embossed, Add	0.01		
		For Corrugated, Add	0.01		
22 07 19 00-0504	LF	1-1/4" ID, 0.016" Aluminum Insulation Jacketing	7.64	1.76	
		For Stucco Embossed, Add	0.01		
		For Corrugated, Add	0.02		
22 07 19 00-0505	LF	1-1/2" ID, 0.016" Aluminum Insulation Jacketing	7.84	1.78	
		For Stucco Embossed, Add	0.01		
		For Corrugated, Add	0.02		
22 07 19 00-0506	LF	1-3/4" ID, 0.016" Aluminum Insulation Jacketing	8.05	1.81	
		For Stucco Embossed, Add	0.01		
		For Corrugated, Add	0.02		
22 07 19 00-0507	LF	2" ID, 0.016" Aluminum Insulation Jacketing	8.29	1.85	
		For Stucco Embossed, Add	0.01		
		For Corrugated, Add	0.02		
22 07 19 00-0508	LF	2-1/4" ID, 0.016" Aluminum Insulation Jacketing	8.56	1.88	
		For Stucco Embossed, Add	0.01		
		For Corrugated, Add	0.03		
22 07 19 00-0509	LF	2-1/2" ID, 0.016" Aluminum Insulation Jacketing	8.83	1.92	
		For Stucco Embossed, Add	0.01		
		For Corrugated, Add	0.03		
22 07 19 00-0510	LF	2-3/4" ID, 0.016" Aluminum Insulation Jacketing	9.05	1.96	
		For Stucco Embossed, Add	0.01		
		For Corrugated, Add	0.03		
22 07 19 00-0511	LF	3" ID, 0.016" Aluminum Insulation Jacketing	9.34	2.00	
		For Stucco Embossed, Add	0.01		
		For Corrugated, Add	0.03		
22 07 19 00-0512	LF	3-1/4" ID, 0.016" Aluminum Insulation Jacketing	9.62	2.04	
		For Stucco Embossed, Add	0.01		
		For Corrugated, Add	0.04		
22 07 19 00-0513	LF	3-1/2" ID, 0.016" Aluminum Insulation Jacketing	9.90	2.09	
		For Stucco Embossed, Add	0.02		
		For Corrugated, Add	0.04		
22 07 19 00-0514	LF	3-3/4" ID, 0.016" Aluminum Insulation Jacketing	10.16	2.13	
		For Stucco Embossed, Add	0.02		
		For Corrugated, Add	0.04		
22 07 19 00-0515	LF	4" ID, 0.016" Aluminum Insulation Jacketing	10.46	2.18	
		For Stucco Embossed, Add	0.02		
		For Corrugated, Add	0.04		
22 07 19 00-0516	LF	4-1/4" ID, 0.016" Aluminum Insulation Jacketing	10.78	2.23	
		For Stucco Embossed, Add	0.02		
		For Corrugated, Add	0.05		
22 07 19 00-0517	LF	4-1/2" ID, 0.016" Aluminum Insulation Jacketing	11.11	2.29	
		For Stucco Embossed, Add	0.02		
		For Corrugated, Add	0.05		
22 07 19 00-0518	LF	4-3/4" ID, 0.016" Aluminum Insulation Jacketing	11.39	2.33	
		For Stucco Embossed, Add	0.02		
		For Corrugated, Add	0.05		
22 07 19 00-0519	LF	5" ID, 0.016" Aluminum Insulation Jacketing	11.74	2.39	
		For Stucco Embossed, Add	0.02		
		For Corrugated, Add	0.05		
22 07 19 00-0520	LF	5-1/4" ID, 0.016" Aluminum Insulation Jacketing	12.11	2.46	
		For Stucco Embossed, Add	0.02		
		For Corrugated, Add	0.06		
22 07 19 00-0521	LF	5-1/2" ID, 0.016" Aluminum Insulation Jacketing	12.41	2.51	
		For Stucco Embossed, Add	0.02		
		For Corrugated, Add	0.06		
22 07 19 00-0522	LF	5-3/4" ID, 0.016" Aluminum Insulation Jacketing	12.81	2.58	
		For Stucco Embossed, Add	0.02		
		For Corrugated, Add	0.06		
22 07 19 00-0523	LF	6" ID, 0.016" Aluminum Insulation Jacketing	13.21	2.66	
		For Stucco Embossed, Add	0.03		
		For Corrugated, Add	0.06		
22 07 19 00-0524	LF	6-1/4" ID, 0.016" Aluminum Insulation Jacketing	13.48	2.70	
		For Stucco Embossed, Add	0.03		
		For Corrugated, Add	0.07		



Plumbing		22	22
Plumbing Insulation		22 07	
Plumbing Piping Insulation		22 07 19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0525	LF	6-1/2" ID, 0.016" Aluminum Insulation Jacketing	.....	13.74	2.74
		For Stucco Embossed, Add	.....	0.03	
		For Corrugated, Add	.....	0.07	
22 07 19 00-0526	LF	7" ID, 0.016" Aluminum Insulation Jacketing	.....	14.19	2.80
		For Stucco Embossed, Add	.....	0.03	
		For Corrugated, Add	.....	0.07	
22 07 19 00-0527	LF	7-1/4" ID, 0.016" Aluminum Insulation Jacketing	.....	14.56	2.88
		For Stucco Embossed, Add	.....	0.03	
		For Corrugated, Add	.....	0.08	
22 07 19 00-0528	LF	7-1/2" ID, 0.016" Aluminum Insulation Jacketing	.....	14.84	2.93
		For Stucco Embossed, Add	.....	0.03	
		For Corrugated, Add	.....	0.08	
22 07 19 00-0529	LF	8" ID, 0.016" Aluminum Insulation Jacketing	.....	15.24	2.98
		For Stucco Embossed, Add	.....	0.03	
		For Corrugated, Add	.....	0.08	
22 07 19 00-0530	LF	8-1/2" ID, 0.016" Aluminum Insulation Jacketing	.....	15.64	3.02
		For Stucco Embossed, Add	.....	0.04	
		For Corrugated, Add	.....	0.09	
22 07 19 00-0531	LF	9" ID, 0.016" Aluminum Insulation Jacketing	.....	16.15	3.10
		For Stucco Embossed, Add	.....	0.04	
		For Corrugated, Add	.....	0.09	
22 07 19 00-0532	LF	9-1/2" ID, 0.016" Aluminum Insulation Jacketing	.....	16.58	3.15
		For Stucco Embossed, Add	.....	0.04	
		For Corrugated, Add	.....	0.10	
22 07 19 00-0533	LF	10" ID, 0.016" Aluminum Insulation Jacketing	.....	17.00	3.21
		For Stucco Embossed, Add	.....	0.04	
		For Corrugated, Add	.....	0.10	
22 07 19 00-0534	LF	10-1/2" ID, 0.016" Aluminum Insulation Jacketing	.....	17.43	3.27
		For Stucco Embossed, Add	.....	0.04	
		For Corrugated, Add	.....	0.11	
22 07 19 00-0535	LF	11" ID, 0.016" Aluminum Insulation Jacketing	.....	17.99	3.36
		For Stucco Embossed, Add	.....	0.05	
		For Corrugated, Add	.....	0.11	
22 07 19 00-0536	LF	11-1/2" ID, 0.016" Aluminum Insulation Jacketing	.....	18.47	3.42
		For Stucco Embossed, Add	.....	0.05	
		For Corrugated, Add	.....	0.12	
22 07 19 00-0537	LF	12" ID, 0.016" Aluminum Insulation Jacketing	.....	18.92	3.49
		For Stucco Embossed, Add	.....	0.05	
		For Corrugated, Add	.....	0.12	
22 07 19 00-0538	LF	12-1/2" ID, 0.016" Aluminum Insulation Jacketing	.....	19.54	3.59
		For Stucco Embossed, Add	.....	0.05	
		For Corrugated, Add	.....	0.13	
22 07 19 00-0539	LF	13" ID, 0.016" Aluminum Insulation Jacketing	.....	19.89	3.63
		For Stucco Embossed, Add	.....	0.05	
		For Corrugated, Add	.....	0.13	
22 07 19 00-0540	LF	14" ID, 0.016" Aluminum Insulation Jacketing	.....	20.45	3.66
		For Stucco Embossed, Add	.....	0.06	
		For Corrugated, Add	.....	0.14	
22 07 19 00-0541	LF	15" ID, 0.016" Aluminum Insulation Jacketing	.....	21.15	3.74
		For Stucco Embossed, Add	.....	0.06	
		For Corrugated, Add	.....	0.15	
22 07 19 00-0542	LF	16" ID, 0.016" Aluminum Insulation Jacketing	.....	21.71	3.78
		For Stucco Embossed, Add	.....	0.07	
		For Corrugated, Add	.....	0.16	
22 07 19 00-0543	LF	17" ID, 0.016" Aluminum Insulation Jacketing	.....	22.45	3.86
		For Stucco Embossed, Add	.....	0.07	
		For Corrugated, Add	.....	0.17	
22 07 19 00-0544	LF	18" ID, 0.016" Aluminum Insulation Jacketing	.....	22.88	3.90
		For Stucco Embossed, Add	.....	0.07	
		For Corrugated, Add	.....	0.18	
22 07 19 00-0545	LF	19" ID, 0.016" Aluminum Insulation Jacketing	.....	23.77	4.00
		For Stucco Embossed, Add	.....	0.08	
		For Corrugated, Add	.....	0.20	
22 07 19 00-0546	LF	20" ID, 0.016" Aluminum Insulation Jacketing	.....	24.36	4.04
		For Stucco Embossed, Add	.....	0.08	
		For Corrugated, Add	.....	0.21	
22 07 19 00-0547	LF	21" ID, 0.016" Aluminum Insulation Jacketing	.....	25.13	4.13
		For Stucco Embossed, Add	.....	0.09	
		For Corrugated, Add	.....	0.22	
22 07 19 00-0548	LF	22" ID, 0.016" Aluminum Insulation Jacketing	.....	25.71	4.18
		For Stucco Embossed, Add	.....	0.09	
		For Corrugated, Add	.....	0.23	
22 07 19 00-0549	LF	23" ID, 0.016" Aluminum Insulation Jacketing	.....	26.52	4.28
		For Stucco Embossed, Add	.....	0.09	
		For Corrugated, Add	.....	0.24	
22 07 19 00-0550	LF	24" ID, 0.016" Aluminum Insulation Jacketing	.....	27.12	4.33
		For Stucco Embossed, Add	.....	0.10	
		For Corrugated, Add	.....	0.25	
22 07 19 00-0551		20 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0493)			
22 07 19 00-0552	LF	1/2" ID, 0.020" Aluminum Insulation Jacketing	.....	7.61	1.80
		For Stucco Embossed, Add	.....	0.00	
		For Corrugated, Add	.....	0.01	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0553	LF	3/4" ID, 0.020" Aluminum Insulation Jacketing.....	7.90	1.84
		For Stucco Embossed, Add.....	0.01	
		For Corrugated, Add.....	0.01	
22 07 19 00-0554	LF	1" ID, 0.020" Aluminum Insulation Jacketing.....	8.21	1.89
		For Stucco Embossed, Add.....	0.01	
		For Corrugated, Add.....	0.02	
22 07 19 00-0555	LF	1-1/4" ID, 0.020" Aluminum Insulation Jacketing.....	8.52	1.93
		For Stucco Embossed, Add.....	0.01	
		For Corrugated, Add.....	0.02	
22 07 19 00-0556	LF	1-1/2" ID, 0.020" Aluminum Insulation Jacketing.....	8.76	1.96
		For Stucco Embossed, Add.....	0.01	
		For Corrugated, Add.....	0.02	
22 07 19 00-0557	LF	1-3/4" ID, 0.020" Aluminum Insulation Jacketing.....	9.00	1.99
		For Stucco Embossed, Add.....	0.01	
		For Corrugated, Add.....	0.03	
22 07 19 00-0558	LF	2" ID, 0.020" Aluminum Insulation Jacketing.....	9.29	2.03
		For Stucco Embossed, Add.....	0.01	
		For Corrugated, Add.....	0.03	
22 07 19 00-0559	LF	2-1/4" ID, 0.020" Aluminum Insulation Jacketing.....	9.58	2.07
		For Stucco Embossed, Add.....	0.01	
		For Corrugated, Add.....	0.03	
22 07 19 00-0560	LF	2-1/2" ID, 0.020" Aluminum Insulation Jacketing.....	9.90	2.11
		For Stucco Embossed, Add.....	0.01	
		For Corrugated, Add.....	0.04	
22 07 19 00-0561	LF	2-3/4" ID, 0.020" Aluminum Insulation Jacketing.....	10.18	2.15
		For Stucco Embossed, Add.....	0.02	
		For Corrugated, Add.....	0.04	
22 07 19 00-0562	LF	3" ID, 0.020" Aluminum Insulation Jacketing.....	10.51	2.20
		For Stucco Embossed, Add.....	0.02	
		For Corrugated, Add.....	0.04	
22 07 19 00-0563	LF	3-1/4" ID, 0.020" Aluminum Insulation Jacketing.....	10.83	2.25
		For Stucco Embossed, Add.....	0.02	
		For Corrugated, Add.....	0.05	
22 07 19 00-0564	LF	3-1/2" ID, 0.020" Aluminum Insulation Jacketing.....	11.16	2.30
		For Stucco Embossed, Add.....	0.02	
		For Corrugated, Add.....	0.05	
22 07 19 00-0565	LF	3-3/4" ID, 0.020" Aluminum Insulation Jacketing.....	11.45	2.34
		For Stucco Embossed, Add.....	0.02	
		For Corrugated, Add.....	0.05	
22 07 19 00-0566	LF	4" ID, 0.020" Aluminum Insulation Jacketing.....	11.81	2.39
		For Stucco Embossed, Add.....	0.02	
		For Corrugated, Add.....	0.06	
22 07 19 00-0567	LF	4-1/4" ID, 0.020" Aluminum Insulation Jacketing.....	12.17	2.45
		For Stucco Embossed, Add.....	0.02	
		For Corrugated, Add.....	0.06	
22 07 19 00-0568	LF	4-1/2" ID, 0.020" Aluminum Insulation Jacketing.....	12.57	2.52
		For Stucco Embossed, Add.....	0.03	
		For Corrugated, Add.....	0.06	
22 07 19 00-0569	LF	4-3/4" ID, 0.020" Aluminum Insulation Jacketing.....	12.89	2.56
		For Stucco Embossed, Add.....	0.03	
		For Corrugated, Add.....	0.07	
22 07 19 00-0570	LF	5" ID, 0.020" Aluminum Insulation Jacketing.....	13.29	2.63
		For Stucco Embossed, Add.....	0.03	
		For Corrugated, Add.....	0.07	
22 07 19 00-0571	LF	5-1/4" ID, 0.020" Aluminum Insulation Jacketing.....	13.70	2.70
		For Stucco Embossed, Add.....	0.03	
		For Corrugated, Add.....	0.07	
22 07 19 00-0572	LF	5-1/2" ID, 0.020" Aluminum Insulation Jacketing.....	14.06	2.76
		For Stucco Embossed, Add.....	0.03	
		For Corrugated, Add.....	0.08	
22 07 19 00-0573	LF	5-3/4" ID, 0.020" Aluminum Insulation Jacketing.....	14.51	2.85
		For Stucco Embossed, Add.....	0.03	
		For Corrugated, Add.....	0.08	
22 07 19 00-0574	LF	6" ID, 0.020" Aluminum Insulation Jacketing.....	14.98	2.93
		For Stucco Embossed, Add.....	0.03	
		For Corrugated, Add.....	0.08	
22 07 19 00-0575	LF	6-1/4" ID, 0.020" Aluminum Insulation Jacketing.....	15.28	2.98
		For Stucco Embossed, Add.....	0.03	
		For Corrugated, Add.....	0.09	
22 07 19 00-0576	LF	6-1/2" ID, 0.020" Aluminum Insulation Jacketing.....	15.59	3.02
		For Stucco Embossed, Add.....	0.04	
		For Corrugated, Add.....	0.09	
22 07 19 00-0577	LF	7" ID, 0.020" Aluminum Insulation Jacketing.....	16.11	3.09
		For Stucco Embossed, Add.....	0.04	
		For Corrugated, Add.....	0.09	
22 07 19 00-0578	LF	7-1/4" ID, 0.020" Aluminum Insulation Jacketing.....	16.54	3.16
		For Stucco Embossed, Add.....	0.04	
		For Corrugated, Add.....	0.10	
22 07 19 00-0579	LF	7-1/2" ID, 0.020" Aluminum Insulation Jacketing.....	16.86	3.21
		For Stucco Embossed, Add.....	0.04	
		For Corrugated, Add.....	0.10	
22 07 19 00-0580	LF	8" ID, 0.020" Aluminum Insulation Jacketing.....	17.34	3.27
		For Stucco Embossed, Add.....	0.04	
		For Corrugated, Add.....	0.11	



Plumbing		22	22
Plumbing Insulation		22 07	
Plumbing Piping Insulation		22 07 19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0581	LF	8-1/2" ID, 0.020" Aluminum Insulation Jacketing	.....	17.81	3.32
		For Stucco Embossed, Add	.....	0.05	
		For Corrugated, Add	.....	0.11	
22 07 19 00-0582	LF	9" ID, 0.020" Aluminum Insulation Jacketing	.....	18.40	3.41
		For Stucco Embossed, Add	.....	0.05	
		For Corrugated, Add	.....	0.12	
22 07 19 00-0583	LF	9-1/2" ID, 0.020" Aluminum Insulation Jacketing	.....	18.90	3.47
		For Stucco Embossed, Add	.....	0.05	
		For Corrugated, Add	.....	0.13	
22 07 19 00-0584	LF	10" ID, 0.020" Aluminum Insulation Jacketing	.....	19.40	3.53
		For Stucco Embossed, Add	.....	0.05	
		For Corrugated, Add	.....	0.13	
22 07 19 00-0585	LF	10-1/2" ID, 0.020" Aluminum Insulation Jacketing	.....	19.91	3.59
		For Stucco Embossed, Add	.....	0.06	
		For Corrugated, Add	.....	0.14	
22 07 19 00-0586	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	.....	20.57	3.69
		For Stucco Embossed, Add	.....	0.06	
		For Corrugated, Add	.....	0.15	
22 07 19 00-0587	LF	11-1/2" ID, 0.020" Aluminum Insulation Jacketing	.....	21.11	3.76
		For Stucco Embossed, Add	.....	0.06	
		For Corrugated, Add	.....	0.15	
22 07 19 00-0588	LF	12" ID, 0.020" Aluminum Insulation Jacketing	.....	21.67	3.83
		For Stucco Embossed, Add	.....	0.06	
		For Corrugated, Add	.....	0.16	
22 07 19 00-0589	LF	12-1/2" ID, 0.020" Aluminum Insulation Jacketing	.....	22.38	3.95
		For Stucco Embossed, Add	.....	0.07	
		For Corrugated, Add	.....	0.16	
22 07 19 00-0590	LF	13" ID, 0.020" Aluminum Insulation Jacketing	.....	22.79	4.00
		For Stucco Embossed, Add	.....	0.07	
		For Corrugated, Add	.....	0.17	
22 07 19 00-0591	LF	14" ID, 0.020" Aluminum Insulation Jacketing	.....	23.47	4.04
		For Stucco Embossed, Add	.....	0.07	
		For Corrugated, Add	.....	0.18	
22 07 19 00-0592	LF	15" ID, 0.020" Aluminum Insulation Jacketing	.....	24.32	4.12
		For Stucco Embossed, Add	.....	0.08	
		For Corrugated, Add	.....	0.20	
22 07 19 00-0593	LF	16" ID, 0.020" Aluminum Insulation Jacketing	.....	25.01	4.16
		For Stucco Embossed, Add	.....	0.08	
		For Corrugated, Add	.....	0.21	
22 07 19 00-0594	LF	17" ID, 0.020" Aluminum Insulation Jacketing	.....	25.88	4.25
		For Stucco Embossed, Add	.....	0.09	
		For Corrugated, Add	.....	0.22	
22 07 19 00-0595	LF	18" ID, 0.020" Aluminum Insulation Jacketing	.....	26.40	4.30
		For Stucco Embossed, Add	.....	0.09	
		For Corrugated, Add	.....	0.23	
22 07 19 00-0596	LF	19" ID, 0.020" Aluminum Insulation Jacketing	.....	27.46	4.39
		For Stucco Embossed, Add	.....	0.10	
		For Corrugated, Add	.....	0.25	
22 07 19 00-0597	LF	20" ID, 0.020" Aluminum Insulation Jacketing	.....	28.19	4.44
		For Stucco Embossed, Add	.....	0.10	
		For Corrugated, Add	.....	0.26	
22 07 19 00-0598	LF	21" ID, 0.020" Aluminum Insulation Jacketing	.....	29.10	4.54
		For Stucco Embossed, Add	.....	0.11	
		For Corrugated, Add	.....	0.27	
22 07 19 00-0599	LF	22" ID, 0.020" Aluminum Insulation Jacketing	.....	29.81	4.60
		For Stucco Embossed, Add	.....	0.11	
		For Corrugated, Add	.....	0.29	
22 07 19 00-0600	LF	23" ID, 0.020" Aluminum Insulation Jacketing	.....	30.78	4.70
		For Stucco Embossed, Add	.....	0.12	
		For Corrugated, Add	.....	0.30	
22 07 19 00-0601	LF	24" ID, 0.020" Aluminum Insulation Jacketing	.....	31.51	4.76
		For Stucco Embossed, Add	.....	0.12	
		For Corrugated, Add	.....	0.31	
22 07 19 00-0602		24 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0493)			
22 07 19 00-0603	LF	1/2" ID, 0.024" Aluminum Insulation Jacketing	.....	8.35	1.96
		For Stucco Embossed, Add	.....	0.01	
		For Corrugated, Add	.....	0.01	
22 07 19 00-0604	LF	3/4" ID, 0.024" Aluminum Insulation Jacketing	.....	8.68	2.01
		For Stucco Embossed, Add	.....	0.01	
		For Corrugated, Add	.....	0.02	
22 07 19 00-0605	LF	1" ID, 0.024" Aluminum Insulation Jacketing	.....	9.02	2.06
		For Stucco Embossed, Add	.....	0.01	
		For Corrugated, Add	.....	0.02	
22 07 19 00-0606	LF	1-1/4" ID, 0.024" Aluminum Insulation Jacketing	.....	9.37	2.10
		For Stucco Embossed, Add	.....	0.01	
		For Corrugated, Add	.....	0.02	
22 07 19 00-0607	LF	1-1/2" ID, 0.024" Aluminum Insulation Jacketing	.....	9.66	2.14
		For Stucco Embossed, Add	.....	0.01	
		For Corrugated, Add	.....	0.03	
22 07 19 00-0608	LF	1-3/4" ID, 0.024" Aluminum Insulation Jacketing	.....	9.94	2.17
		For Stucco Embossed, Add	.....	0.01	
		For Corrugated, Add	.....	0.03	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0609	LF	2" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.27 0.01 0.04	2.21
22 07 19 00-0610	LF	2-1/4" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.60 0.02 0.04	2.26
22 07 19 00-0611	LF	2-1/2" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.96 0.02 0.04	2.31
22 07 19 00-0612	LF	2-3/4" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.26 0.02 0.05	2.34
22 07 19 00-0613	LF	3" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.64 0.02 0.05	2.39
22 07 19 00-0614	LF	3-1/4" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.01 0.02 0.06	2.45
22 07 19 00-0615	LF	3-1/2" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.39 0.02 0.06	2.50
22 07 19 00-0616	LF	3-3/4" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.71 0.03 0.06	2.55
22 07 19 00-0617	LF	4" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.12 0.03 0.07	2.61
22 07 19 00-0618	LF	4-1/4" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.53 0.03 0.07	2.67
22 07 19 00-0619	LF	4-1/2" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.98 0.03 0.07	2.74
22 07 19 00-0620	LF	4-3/4" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.34 0.03 0.08	2.80
22 07 19 00-0621	LF	5" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.79 0.03 0.08	2.88
22 07 19 00-0622	LF	5-1/4" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.25 0.03 0.09	2.96
22 07 19 00-0623	LF	5-1/2" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.65 0.04 0.09	3.02
22 07 19 00-0624	LF	5-3/4" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.17 0.04 0.09	3.10
22 07 19 00-0625	LF	6" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.68 0.04 0.10	3.20
22 07 19 00-0626	LF	6-1/4" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.02 0.04 0.10	3.24
22 07 19 00-0627	LF	6-1/2" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.39 0.04 0.11	3.29
22 07 19 00-0628	LF	7" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.97 0.05 0.11	3.37
22 07 19 00-0629	LF	7-1/4" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.45 0.05 0.12	3.45
22 07 19 00-0630	LF	7-1/2" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.82 0.05 0.12	3.50
22 07 19 00-0631	LF	8" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.37 0.05 0.13	3.56
22 07 19 00-0632	LF	8-1/2" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.90 0.05 0.14	3.62
22 07 19 00-0633	LF	9" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.58 0.06 0.14	3.71
22 07 19 00-0634	LF	9-1/2" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.15 0.06 0.15	3.78
22 07 19 00-0635	LF	10" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.73 0.06 0.16	3.85
22 07 19 00-0636	LF	10-1/2" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.31 0.07 0.17	3.91



Plumbing		22	22
Plumbing Insulation		22 07	
Plumbing Piping Insulation		22 07 19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0637	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	.....	23.06	4.03
		For Stucco Embossed, Add	.....	0.07	
		For Corrugated, Add	.....	0.17	
22 07 19 00-0638	LF	11-1/2" ID, 0.024" Aluminum Insulation Jacketing	.....	23.68	4.11
		For Stucco Embossed, Add	.....	0.07	
		For Corrugated, Add	.....	0.18	
22 07 19 00-0639	LF	12" ID, 0.024" Aluminum Insulation Jacketing	.....	24.31	4.19
		For Stucco Embossed, Add	.....	0.08	
		For Corrugated, Add	.....	0.19	
22 07 19 00-0640	LF	12-1/2" ID, 0.024" Aluminum Insulation Jacketing	.....	25.10	4.31
		For Stucco Embossed, Add	.....	0.08	
		For Corrugated, Add	.....	0.20	
22 07 19 00-0641	LF	13" ID, 0.024" Aluminum Insulation Jacketing	.....	25.59	4.36
		For Stucco Embossed, Add	.....	0.08	
		For Corrugated, Add	.....	0.20	
22 07 19 00-0642	LF	14" ID, 0.024" Aluminum Insulation Jacketing	.....	26.39	4.40
		For Stucco Embossed, Add	.....	0.09	
		For Corrugated, Add	.....	0.22	
22 07 19 00-0643	LF	15" ID, 0.024" Aluminum Insulation Jacketing	.....	27.36	4.49
		For Stucco Embossed, Add	.....	0.09	
		For Corrugated, Add	.....	0.23	
22 07 19 00-0644	LF	16" ID, 0.024" Aluminum Insulation Jacketing	.....	28.17	4.54
		For Stucco Embossed, Add	.....	0.10	
		For Corrugated, Add	.....	0.25	
22 07 19 00-0645	LF	17" ID, 0.024" Aluminum Insulation Jacketing	.....	29.16	4.64
		For Stucco Embossed, Add	.....	0.11	
		For Corrugated, Add	.....	0.27	
22 07 19 00-0646	LF	18" ID, 0.024" Aluminum Insulation Jacketing	.....	29.79	4.68
		For Stucco Embossed, Add	.....	0.11	
		For Corrugated, Add	.....	0.28	
22 07 19 00-0647	LF	19" ID, 0.024" Aluminum Insulation Jacketing	.....	31.01	4.79
		For Stucco Embossed, Add	.....	0.12	
		For Corrugated, Add	.....	0.30	
22 07 19 00-0648	LF	20" ID, 0.024" Aluminum Insulation Jacketing	.....	31.86	4.84
		For Stucco Embossed, Add	.....	0.12	
		For Corrugated, Add	.....	0.31	
22 07 19 00-0649	LF	21" ID, 0.024" Aluminum Insulation Jacketing	.....	32.90	4.95
		For Stucco Embossed, Add	.....	0.13	
		For Corrugated, Add	.....	0.33	
22 07 19 00-0650	LF	22" ID, 0.024" Aluminum Insulation Jacketing	.....	33.75	5.01
		For Stucco Embossed, Add	.....	0.14	
		For Corrugated, Add	.....	0.34	
22 07 19 00-0651	LF	23" ID, 0.024" Aluminum Insulation Jacketing	.....	34.84	5.14
		For Stucco Embossed, Add	.....	0.14	
		For Corrugated, Add	.....	0.36	
22 07 19 00-0652	LF	24" ID, 0.024" Aluminum Insulation Jacketing	.....	35.68	5.20
		For Stucco Embossed, Add	.....	0.15	
		For Corrugated, Add	.....	0.37	
22 07 19 00-0653		32 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0493)			
22 07 19 00-0654	LF	1/2" ID, 0.032" Aluminum Insulation Jacketing	.....	9.37	2.17
		For Stucco Embossed, Add	.....	0.01	
		For Corrugated, Add	.....	0.02	
22 07 19 00-0655	LF	3/4" ID, 0.032" Aluminum Insulation Jacketing	.....	9.78	2.22
		For Stucco Embossed, Add	.....	0.01	
		For Corrugated, Add	.....	0.02	
22 07 19 00-0656	LF	1" ID, 0.032" Aluminum Insulation Jacketing	.....	10.19	2.28
		For Stucco Embossed, Add	.....	0.01	
		For Corrugated, Add	.....	0.03	
22 07 19 00-0657	LF	1-1/4" ID, 0.032" Aluminum Insulation Jacketing	.....	10.61	2.33
		For Stucco Embossed, Add	.....	0.01	
		For Corrugated, Add	.....	0.03	
22 07 19 00-0658	LF	1-1/2" ID, 0.032" Aluminum Insulation Jacketing	.....	10.96	2.36
		For Stucco Embossed, Add	.....	0.02	
		For Corrugated, Add	.....	0.04	
22 07 19 00-0659	LF	1-3/4" ID, 0.032" Aluminum Insulation Jacketing	.....	11.30	2.40
		For Stucco Embossed, Add	.....	0.02	
		For Corrugated, Add	.....	0.04	
22 07 19 00-0660	LF	2" ID, 0.032" Aluminum Insulation Jacketing	.....	11.71	2.45
		For Stucco Embossed, Add	.....	0.02	
		For Corrugated, Add	.....	0.05	
22 07 19 00-0661	LF	2-1/4" ID, 0.032" Aluminum Insulation Jacketing	.....	12.12	2.50
		For Stucco Embossed, Add	.....	0.02	
		For Corrugated, Add	.....	0.05	
22 07 19 00-0662	LF	2-1/2" ID, 0.032" Aluminum Insulation Jacketing	.....	12.55	2.55
		For Stucco Embossed, Add	.....	0.02	
		For Corrugated, Add	.....	0.06	
22 07 19 00-0663	LF	2-3/4" ID, 0.032" Aluminum Insulation Jacketing	.....	12.93	2.59
		For Stucco Embossed, Add	.....	0.03	
		For Corrugated, Add	.....	0.06	
22 07 19 00-0664	LF	3" ID, 0.032" Aluminum Insulation Jacketing	.....	13.39	2.65
		For Stucco Embossed, Add	.....	0.03	
		For Corrugated, Add	.....	0.07	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0665	LF	3-1/4" ID, 0.032" Aluminum Insulation Jacketing.....	13.83	2.71
		For Stucco Embossed, Add	0.03	
		For Corrugated, Add	0.07	
22 07 19 00-0666	LF	3-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	14.28	2.77
		For Stucco Embossed, Add	0.03	
		For Corrugated, Add	0.08	
22 07 19 00-0667	LF	3-3/4" ID, 0.032" Aluminum Insulation Jacketing.....	14.68	2.82
		For Stucco Embossed, Add	0.03	
		For Corrugated, Add	0.08	
22 07 19 00-0668	LF	4" ID, 0.032" Aluminum Insulation Jacketing.....	15.16	2.90
		For Stucco Embossed, Add	0.04	
		For Corrugated, Add	0.09	
22 07 19 00-0669	LF	4-1/4" ID, 0.032" Aluminum Insulation Jacketing.....	15.65	2.97
		For Stucco Embossed, Add	0.04	
		For Corrugated, Add	0.09	
22 07 19 00-0670	LF	4-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	16.19	3.05
		For Stucco Embossed, Add	0.04	
		For Corrugated, Add	0.10	
22 07 19 00-0671	LF	4-3/4" ID, 0.032" Aluminum Insulation Jacketing.....	16.62	3.11
		For Stucco Embossed, Add	0.04	
		For Corrugated, Add	0.11	
22 07 19 00-0672	LF	5" ID, 0.032" Aluminum Insulation Jacketing.....	17.15	3.19
		For Stucco Embossed, Add	0.04	
		For Corrugated, Add	0.11	
22 07 19 00-0673	LF	5-1/4" ID, 0.032" Aluminum Insulation Jacketing.....	17.72	3.27
		For Stucco Embossed, Add	0.05	
		For Corrugated, Add	0.12	
22 07 19 00-0674	LF	5-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	18.19	3.34
		For Stucco Embossed, Add	0.05	
		For Corrugated, Add	0.12	
22 07 19 00-0675	LF	5-3/4" ID, 0.032" Aluminum Insulation Jacketing.....	18.80	3.44
		For Stucco Embossed, Add	0.05	
		For Corrugated, Add	0.13	
22 07 19 00-0676	LF	6" ID, 0.032" Aluminum Insulation Jacketing.....	19.40	3.54
		For Stucco Embossed, Add	0.05	
		For Corrugated, Add	0.13	
22 07 19 00-0677	LF	6-1/4" ID, 0.032" Aluminum Insulation Jacketing.....	19.82	3.59
		For Stucco Embossed, Add	0.05	
		For Corrugated, Add	0.14	
22 07 19 00-0678	LF	6-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	20.25	3.65
		For Stucco Embossed, Add	0.06	
		For Corrugated, Add	0.14	
22 07 19 00-0679	LF	7" ID, 0.032" Aluminum Insulation Jacketing.....	20.97	3.73
		For Stucco Embossed, Add	0.06	
		For Corrugated, Add	0.15	
22 07 19 00-0680	LF	7-1/4" ID, 0.032" Aluminum Insulation Jacketing.....	21.53	3.82
		For Stucco Embossed, Add	0.06	
		For Corrugated, Add	0.16	
22 07 19 00-0681	LF	7-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	21.98	3.88
		For Stucco Embossed, Add	0.06	
		For Corrugated, Add	0.16	
22 07 19 00-0682	LF	8" ID, 0.032" Aluminum Insulation Jacketing.....	22.66	3.95
		For Stucco Embossed, Add	0.07	
		For Corrugated, Add	0.17	
22 07 19 00-0683	LF	8-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	23.32	4.02
		For Stucco Embossed, Add	0.07	
		For Corrugated, Add	0.18	
22 07 19 00-0684	LF	9" ID, 0.032" Aluminum Insulation Jacketing.....	24.14	4.12
		For Stucco Embossed, Add	0.08	
		For Corrugated, Add	0.19	
22 07 19 00-0685	LF	9-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	24.86	4.19
		For Stucco Embossed, Add	0.08	
		For Corrugated, Add	0.20	
22 07 19 00-0686	LF	10" ID, 0.032" Aluminum Insulation Jacketing.....	25.57	4.27
		For Stucco Embossed, Add	0.09	
		For Corrugated, Add	0.21	
22 07 19 00-0687	LF	10-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	26.27	4.35
		For Stucco Embossed, Add	0.09	
		For Corrugated, Add	0.22	
22 07 19 00-0688	LF	11" ID, 0.0106 Aluminum Insulation Jacketing.....	27.18	4.47
		For Stucco Embossed, Add	0.09	
		For Corrugated, Add	0.23	
22 07 19 00-0689	LF	11-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	27.94	4.55
		For Stucco Embossed, Add	0.10	
		For Corrugated, Add	0.24	
22 07 19 00-0690	LF	12" ID, 0.032" Aluminum Insulation Jacketing.....	28.70	4.64
		For Stucco Embossed, Add	0.10	
		For Corrugated, Add	0.25	
22 07 19 00-0691	LF	12-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	29.67	4.78
		For Stucco Embossed, Add	0.11	
		For Corrugated, Add	0.26	
22 07 19 00-0692	LF	13" ID, 0.032" Aluminum Insulation Jacketing.....	30.27	4.82
		For Stucco Embossed, Add	0.11	
		For Corrugated, Add	0.27	



Plumbing		22	22
Plumbing Insulation		22 07	
Plumbing Piping Insulation		22 07 19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0693	LF	14" ID, 0.032" Aluminum Insulation Jacketing.....	31.30	4.87	
		For Stucco Embossed, Add	0.12		
		For Corrugated, Add	0.30		
22 07 19 00-0694	LF	15" ID, 0.032" Aluminum Insulation Jacketing.....	32.53	4.97	
		For Stucco Embossed, Add	0.13		
		For Corrugated, Add	0.32		
22 07 19 00-0695	LF	16" ID, 0.032" Aluminum Insulation Jacketing.....	33.57	5.03	
		For Stucco Embossed, Add	0.13		
		For Corrugated, Add	0.34		
22 07 19 00-0696	LF	17" ID, 0.032" Aluminum Insulation Jacketing.....	34.81	5.14	
		For Stucco Embossed, Add	0.14		
		For Corrugated, Add	0.36		
22 07 19 00-0697	LF	18" ID, 0.032" Aluminum Insulation Jacketing.....	35.59	5.20	
		For Stucco Embossed, Add	0.15		
		For Corrugated, Add	0.37		
22 07 19 00-0698	LF	19" ID, 0.032" Aluminum Insulation Jacketing.....	37.15	5.31	
		For Stucco Embossed, Add	0.16		
		For Corrugated, Add	0.40		
22 07 19 00-0699	LF	20" ID, 0.032" Aluminum Insulation Jacketing.....	38.22	5.37	
		For Stucco Embossed, Add	0.17		
		For Corrugated, Add	0.42		
22 07 19 00-0700	LF	21" ID, 0.032" Aluminum Insulation Jacketing.....	39.53	5.49	
		For Stucco Embossed, Add	0.18		
		For Corrugated, Add	0.44		
22 07 19 00-0701	LF	22" ID, 0.032" Aluminum Insulation Jacketing.....	40.60	5.56	
		For Stucco Embossed, Add	0.18		
		For Corrugated, Add	0.46		
22 07 19 00-0702	LF	23" ID, 0.032" Aluminum Insulation Jacketing.....	41.95	5.69	
		For Stucco Embossed, Add	0.19		
		For Corrugated, Add	0.48		
22 07 19 00-0703	LF	24" ID, 0.032" Aluminum Insulation Jacketing.....	43.05	5.76	
		For Stucco Embossed, Add	0.20		
		For Corrugated, Add	0.50		
22 07 19 00-0704		40 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0493)			
22 07 19 00-0705	LF	1/2" ID, 0.040" Aluminum Insulation Jacketing.....	10.86	2.50	
		For Stucco Embossed, Add	0.01		
		For Corrugated, Add	0.02		
22 07 19 00-0706	LF	3/4" ID, 0.040" Aluminum Insulation Jacketing.....	11.34	2.55	
		For Stucco Embossed, Add	0.01		
		For Corrugated, Add	0.03		
22 07 19 00-0707	LF	1" ID, 0.040" Aluminum Insulation Jacketing.....	11.84	2.61	
		For Stucco Embossed, Add	0.01		
		For Corrugated, Add	0.03		
22 07 19 00-0708	LF	1-1/4" ID, 0.040" Aluminum Insulation Jacketing.....	12.34	2.68	
		For Stucco Embossed, Add	0.02		
		For Corrugated, Add	0.04		
22 07 19 00-0709	LF	1-1/2" ID, 0.040" Aluminum Insulation Jacketing.....	12.77	2.72	
		For Stucco Embossed, Add	0.02		
		For Corrugated, Add	0.05		
22 07 19 00-0710	LF	1-3/4" ID, 0.040" Aluminum Insulation Jacketing.....	13.18	2.76	
		For Stucco Embossed, Add	0.02		
		For Corrugated, Add	0.05		
22 07 19 00-0711	LF	2" ID, 0.040" Aluminum Insulation Jacketing.....	13.67	2.81	
		For Stucco Embossed, Add	0.02		
		For Corrugated, Add	0.06		
22 07 19 00-0712	LF	2-1/4" ID, 0.040" Aluminum Insulation Jacketing.....	14.15	2.88	
		For Stucco Embossed, Add	0.03		
		For Corrugated, Add	0.07		
22 07 19 00-0713	LF	2-1/2" ID, 0.040" Aluminum Insulation Jacketing.....	14.68	2.94	
		For Stucco Embossed, Add	0.03		
		For Corrugated, Add	0.07		
22 07 19 00-0714	LF	2-3/4" ID, 0.040" Aluminum Insulation Jacketing.....	15.14	2.99	
		For Stucco Embossed, Add	0.03		
		For Corrugated, Add	0.08		
22 07 19 00-0715	LF	3" ID, 0.040" Aluminum Insulation Jacketing.....	15.69	3.06	
		For Stucco Embossed, Add	0.03		
		For Corrugated, Add	0.09		
22 07 19 00-0716	LF	3-1/4" ID, 0.040" Aluminum Insulation Jacketing.....	16.21	3.13	
		For Stucco Embossed, Add	0.04		
		For Corrugated, Add	0.09		
22 07 19 00-0717	LF	3-1/2" ID, 0.040" Aluminum Insulation Jacketing.....	16.76	3.20	
		For Stucco Embossed, Add	0.04		
		For Corrugated, Add	0.10		
22 07 19 00-0718	LF	3-3/4" ID, 0.040" Aluminum Insulation Jacketing.....	17.24	3.25	
		For Stucco Embossed, Add	0.04		
		For Corrugated, Add	0.11		
22 07 19 00-0719	LF	4" ID, 0.040" Aluminum Insulation Jacketing.....	17.82	3.33	
		For Stucco Embossed, Add	0.04		
		For Corrugated, Add	0.11		
22 07 19 00-0720	LF	4-1/4" ID, 0.040" Aluminum Insulation Jacketing.....	18.40	3.41	
		For Stucco Embossed, Add	0.05		
		For Corrugated, Add	0.12		

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0721	LF	4-1/2" ID, 0.040" Aluminum Insulation Jacketing.....	19.03	3.50
		For Stucco Embossed, Add	0.05	
		For Corrugated, Add	0.13	
22 07 19 00-0722	LF	4-3/4" ID, 0.040" Aluminum Insulation Jacketing.....	19.56	3.57
		For Stucco Embossed, Add	0.05	
		For Corrugated, Add	0.13	
22 07 19 00-0723	LF	5" ID, 0.040" Aluminum Insulation Jacketing.....	20.20	3.66
		For Stucco Embossed, Add	0.06	
		For Corrugated, Add	0.14	
22 07 19 00-0724	LF	5-1/4" ID, 0.040" Aluminum Insulation Jacketing.....	20.85	3.76
		For Stucco Embossed, Add	0.06	
		For Corrugated, Add	0.14	
22 07 19 00-0725	LF	5-1/2" ID, 0.040" Aluminum Insulation Jacketing.....	21.43	3.84
		For Stucco Embossed, Add	0.06	
		For Corrugated, Add	0.15	
22 07 19 00-0726	LF	5-3/4" ID, 0.040" Aluminum Insulation Jacketing.....	22.16	3.95
		For Stucco Embossed, Add	0.06	
		For Corrugated, Add	0.16	
22 07 19 00-0727	LF	6" ID, 0.040" Aluminum Insulation Jacketing.....	22.87	4.08
		For Stucco Embossed, Add	0.07	
		For Corrugated, Add	0.16	
22 07 19 00-0728	LF	6-1/4" ID, 0.040" Aluminum Insulation Jacketing.....	23.38	4.14
		For Stucco Embossed, Add	0.07	
		For Corrugated, Add	0.17	
22 07 19 00-0729	LF	6-1/2" ID, 0.040" Aluminum Insulation Jacketing.....	23.89	4.20
		For Stucco Embossed, Add	0.07	
		For Corrugated, Add	0.18	
22 07 19 00-0730	LF	7" ID, 0.040" Aluminum Insulation Jacketing.....	24.76	4.30
		For Stucco Embossed, Add	0.08	
		For Corrugated, Add	0.19	
22 07 19 00-0731	LF	7-1/4" ID, 0.040" Aluminum Insulation Jacketing.....	25.43	4.40
		For Stucco Embossed, Add	0.08	
		For Corrugated, Add	0.20	
22 07 19 00-0732	LF	7-1/2" ID, 0.040" Aluminum Insulation Jacketing.....	25.97	4.47
		For Stucco Embossed, Add	0.08	
		For Corrugated, Add	0.20	
22 07 19 00-0733	LF	8" ID, 0.040" Aluminum Insulation Jacketing.....	26.79	4.55
		For Stucco Embossed, Add	0.09	
		For Corrugated, Add	0.22	
22 07 19 00-0734	LF	8-1/2" ID, 0.040" Aluminum Insulation Jacketing.....	27.58	4.62
		For Stucco Embossed, Add	0.09	
		For Corrugated, Add	0.23	
22 07 19 00-0735	LF	9" ID, 0.040" Aluminum Insulation Jacketing.....	28.57	4.74
		For Stucco Embossed, Add	0.10	
		For Corrugated, Add	0.24	
22 07 19 00-0736	LF	9-1/2" ID, 0.040" Aluminum Insulation Jacketing.....	29.45	4.82
		For Stucco Embossed, Add	0.10	
		For Corrugated, Add	0.25	
22 07 19 00-0737	LF	10" ID, 0.040" Aluminum Insulation Jacketing.....	30.30	4.90
		For Stucco Embossed, Add	0.11	
		For Corrugated, Add	0.27	
22 07 19 00-0738	LF	10-1/2" ID, 0.040" Aluminum Insulation Jacketing.....	31.16	4.99
		For Stucco Embossed, Add	0.11	
		For Corrugated, Add	0.28	
22 07 19 00-0739	LF	11" ID, 0.0106 Aluminum Insulation Jacketing.....	32.23	5.14
		For Stucco Embossed, Add	0.12	
		For Corrugated, Add	0.29	
22 07 19 00-0740	LF	11-1/2" ID, 0.040" Aluminum Insulation Jacketing.....	33.17	5.24
		For Stucco Embossed, Add	0.12	
		For Corrugated, Add	0.31	
22 07 19 00-0741	LF	12" ID, 0.040" Aluminum Insulation Jacketing.....	34.08	5.34
		For Stucco Embossed, Add	0.13	
		For Corrugated, Add	0.32	
22 07 19 00-0742	LF	12-1/2" ID, 0.040" Aluminum Insulation Jacketing.....	35.22	5.50
		For Stucco Embossed, Add	0.13	
		For Corrugated, Add	0.33	
22 07 19 00-0743	LF	13" ID, 0.040" Aluminum Insulation Jacketing.....	35.97	5.55
		For Stucco Embossed, Add	0.14	
		For Corrugated, Add	0.34	
22 07 19 00-0744	LF	14" ID, 0.040" Aluminum Insulation Jacketing.....	37.24	5.61
		For Stucco Embossed, Add	0.15	
		For Corrugated, Add	0.37	
22 07 19 00-0745	LF	15" ID, 0.040" Aluminum Insulation Jacketing.....	38.72	5.73
		For Stucco Embossed, Add	0.16	
		For Corrugated, Add	0.40	
22 07 19 00-0746	LF	16" ID, 0.040" Aluminum Insulation Jacketing.....	40.01	5.79
		For Stucco Embossed, Add	0.17	
		For Corrugated, Add	0.42	
22 07 19 00-0747	LF	17" ID, 0.040" Aluminum Insulation Jacketing.....	41.53	5.91
		For Stucco Embossed, Add	0.18	
		For Corrugated, Add	0.45	
22 07 19 00-0748	LF	18" ID, 0.040" Aluminum Insulation Jacketing.....	42.49	5.97
		For Stucco Embossed, Add	0.19	
		For Corrugated, Add	0.46	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0749	LF		19" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	44.40 0.20 0.50	6.10
22 07 19 00-0750	LF		20" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	45.72 0.21 0.53	6.17
22 07 19 00-0751	LF		21" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	47.30 0.22 0.55	6.32
22 07 19 00-0752	LF		22" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	48.62 0.23 0.58	6.40
22 07 19 00-0753	LF		23" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	50.28 0.24 0.60	6.55
22 07 19 00-0754	LF		24" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	51.61 0.25 0.63	6.62
22 07 19 00-0755 Aluminum Insulation Protective Jacketing For Fittings (22 07 19 00-0493)					
22 07 19 00-0756	EA		1-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	15.32	2.56
22 07 19 00-0757	EA		1-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	15.69	2.66
22 07 19 00-0758	EA		2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	17.41	2.76
22 07 19 00-0759	EA		2-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	17.58	2.80
22 07 19 00-0760	EA		2-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	17.76	2.86
22 07 19 00-0761	EA		2-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	18.03	2.93
22 07 19 00-0762	EA		3" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	18.87	3.00
22 07 19 00-0763	EA		3-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	19.17	3.07
22 07 19 00-0764	EA		3-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	20.65	3.13
22 07 19 00-0765	EA		3-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	21.08	3.18
22 07 19 00-0766	EA		4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	21.81	3.27
22 07 19 00-0767	EA		4-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	22.30	3.33
22 07 19 00-0768	EA		4-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	22.55	3.39
22 07 19 00-0769	EA		4-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	22.81	3.45
22 07 19 00-0770	EA		5" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	24.23	3.52
22 07 19 00-0771	EA		5-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	26.06	3.59
22 07 19 00-0772	EA		5-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	29.38	3.70
22 07 19 00-0773	EA		5-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	29.68	3.78
22 07 19 00-0774	EA		6" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	28.04	3.90
22 07 19 00-0775	EA		6-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	28.39	4.00
22 07 19 00-0776	EA		6-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	31.48	4.13
22 07 19 00-0777	EA		7" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	35.07	4.23
22 07 19 00-0778	EA		7-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	35.27	4.28
22 07 19 00-0779	EA		7-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	44.01	4.38
22 07 19 00-0780	EA		8" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	37.43	4.38
22 07 19 00-0781	EA		8-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	54.76	4.49
22 07 19 00-0782	EA		9" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	55.21	4.61
22 07 19 00-0783	EA		9-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	45.72	4.66
22 07 19 00-0784	EA		10" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	45.97	4.73
22 07 19 00-0785	EA		10-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	46.81	4.79
22 07 19 00-0786	EA		11" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	47.07	4.85
22 07 19 00-0787	EA		11-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	51.39	4.99
22 07 19 00-0788	EA		12" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	51.67	5.06
22 07 19 00-0789	EA		12-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	76.76	5.21
22 07 19 00-0790	EA		13" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	77.08	5.29
22 07 19 00-0791	EA		14" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	96.78	5.45
22 07 19 00-0792	EA		15" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	100.88	5.61
22 07 19 00-0793	EA		16" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	108.36	5.70
22 07 19 00-0794	EA		2-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	16.66	2.86
22 07 19 00-0795	EA		2-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	16.93	2.93
22 07 19 00-0796	EA		3" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	17.91	3.00
22 07 19 00-0797	EA		3-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	18.21	3.07
22 07 19 00-0798	EA		3-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	19.27	3.13
22 07 19 00-0799	EA		3-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	19.49	3.18
22 07 19 00-0800	EA		4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	19.95	3.27
22 07 19 00-0801	EA		4-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	21.16	3.33
22 07 19 00-0802	EA		4-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	21.41	3.39
22 07 19 00-0803	EA		4-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	21.67	3.45
22 07 19 00-0804	EA		5" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	23.31	3.52
22 07 19 00-0805	EA		5-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	23.59	3.59
22 07 19 00-0806	EA		5-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	24.48	3.70
22 07 19 00-0807	EA		6" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	25.28	3.90
22 07 19 00-0808	EA		6-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	29.86	4.13
22 07 19 00-0809	EA		7" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	30.25	4.23
22 07 19 00-0810	EA		7-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	30.78	4.33
22 07 19 00-0811	EA		8" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	30.99	4.38
22 07 19 00-0812	EA		8-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	34.72	4.49
22 07 19 00-0813	EA		9" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	35.17	4.61
22 07 19 00-0814	EA		9-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	41.92	4.66
22 07 19 00-0815	EA		10" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	42.17	4.73
22 07 19 00-0816	EA		10-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	40.91	4.79

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0817 EA 11" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	41.17	4.85
22 07 19 00-0818 EA 11-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	46.09	4.99
22 07 19 00-0819 EA 12" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	46.37	5.06
22 07 19 00-0820 EA 13" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	51.81	5.29
22 07 19 00-0821 EA 14" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	59.40	5.45
22 07 19 00-0822 EA 15" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	80.44	5.61
22 07 19 00-0823 EA 16" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	85.66	5.70
22 07 19 00-0824 EA 17" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	84.55	5.79
22 07 19 00-0825 EA 18" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	93.56	5.89
22 07 19 00-0826 EA 19" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	109.46	5.99
22 07 19 00-0827 EA 20" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	107.05	6.09
22 07 19 00-0828 EA 21" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	114.06	6.19
22 07 19 00-0829 EA 2-1/2" ID, Aluminum Tee Insulation Jacketing.....	52.37	4.09
22 07 19 00-0830 EA 2-3/4" ID, Aluminum Tee Insulation Jacketing.....	52.75	4.18
22 07 19 00-0831 EA 3" ID, Aluminum Tee Insulation Jacketing.....	57.83	4.28
22 07 19 00-0832 EA 3-1/4" ID, Aluminum Tee Insulation Jacketing.....	58.24	4.38
22 07 19 00-0833 EA 3-1/2" ID Aluminum Tee Insulation Jacketing.....	60.64	4.49
22 07 19 00-0834 EA 4" ID, Aluminum Tee Insulation Jacketing.....	61.55	4.61
22 07 19 00-0835 EA 4-1/4" ID, Aluminum Tee Insulation Jacketing.....	64.53	4.73
22 07 19 00-0836 EA 4-1/2" ID, Aluminum Tee Insulation Jacketing.....	64.66	4.85
22 07 19 00-0837 EA 4-3/4" ID, Aluminum Tee Insulation Jacketing.....	65.20	4.99
22 07 19 00-0838 EA 5" ID, Aluminum Tee Insulation Jacketing.....	67.46	5.14
22 07 19 00-0839 EA 5-1/4" ID, Aluminum Tee Insulation Jacketing.....	68.07	5.29
22 07 19 00-0840 EA 5-1/2" ID, Aluminum Tee Insulation Jacketing.....	70.78	5.45
22 07 19 00-0841 EA 6" ID, Aluminum Tee Insulation Jacketing.....	71.47	5.61
22 07 19 00-0842 EA 6-1/2" ID, Aluminum Tee Insulation Jacketing.....	77.79	5.99
22 07 19 00-0843 EA 7" ID, Aluminum Tee Insulation Jacketing.....	78.62	6.19
22 07 19 00-0844 EA 7-1/2" ID, Aluminum Tee Insulation Jacketing.....	85.54	6.42
22 07 19 00-0845 EA 8" ID, Aluminum Tee Insulation Jacketing.....	86.48	6.65
22 07 19 00-0846 EA 8-1/2" ID, Aluminum Tee Insulation Jacketing.....	89.08	6.91
22 07 19 00-0847 EA 9" ID, Aluminum Tee Insulation Jacketing.....	90.19	7.18
22 07 19 00-0848 EA 9-1/2" ID, Aluminum Tee Insulation Jacketing.....	74.93	7.33
22 07 19 00-0849 EA 10" ID, Aluminum Tee Insulation Jacketing.....	75.54	7.49
22 07 19 00-0850 EA 10-1/2" ID, Aluminum Tee Insulation Jacketing.....	79.16	7.65
22 07 19 00-0851 EA 11" ID, Aluminum Tee Insulation Jacketing.....	79.83	7.81
22 07 19 00-0852 EA 11-1/2" ID, Aluminum Tee Insulation Jacketing.....	83.16	7.98
22 07 19 00-0853 EA 12" ID, Aluminum Tee Insulation Jacketing.....	83.89	8.16
22 07 19 00-0854 EA 13" ID, Aluminum Tee Insulation Jacketing.....	87.19	8.35
22 07 19 00-0855 EA 14" ID, Aluminum Tee Insulation Jacketing.....	90.63	8.56
22 07 19 00-0856 EA 15" ID, Aluminum Tee Insulation Jacketing.....	96.06	8.77
22 07 19 00-0857 EA 16" ID, Aluminum Tee Insulation Jacketing.....	98.47	8.98
22 07 19 00-0858 EA 17" ID, Aluminum Tee Insulation Jacketing.....	108.75	9.21
22 07 19 00-0859 EA 18" ID, Aluminum Tee Insulation Jacketing.....	112.52	9.45
22 07 19 00-0860 EA 19" ID, Aluminum Tee Insulation Jacketing.....	121.45	9.71
22 07 19 00-0861 EA 20" ID, Aluminum Tee Insulation Jacketing.....	124.34	9.98
22 07 19 00-0862 EA 22" ID, Aluminum Tee Insulation Jacketing.....	148.44	10.26
22 07 19 00-0863 EA 23" ID, Aluminum Tee Insulation Jacketing.....	152.64	10.56
22 07 19 00-0864 EA 24" ID, Aluminum Tee Insulation Jacketing.....	159.60	11.59
22 07 19 00-0865 Stainless Steel Insulation Protective Jacketing With Bands (22 07 19 00-0492)		
22 07 19 00-0866 Type 304 Stainless Steel Roll, Insulation Protective Jacketing With Bands (22 07 19 00-0865)		
22 07 19 00-0867 SF 0.010" Stainless Steel Insulation Jacket With Bands	16.90	6.74
22 07 19 00-0868 SF 0.016" Stainless Steel Insulation Jacket With Bands	20.77	8.08
22 07 19 00-0869 10 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands (22 07 19 00-0865)		
22 07 19 00-0870 LF 2-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	9.27	1.43
22 07 19 00-0871 LF 2-3/4" ID, 0.010" Stainless Steel Insulation Jacketing	9.69	1.46
22 07 19 00-0872 LF 3" ID, 0.010" Stainless Steel Insulation Jacketing	10.13	1.49
22 07 19 00-0873 LF 3-1/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	10.57	1.53
22 07 19 00-0874 LF 3-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	11.03	1.56
22 07 19 00-0875 LF 3-3/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	11.48	1.59
22 07 19 00-0876 LF 4" ID, 0.010" Stainless Steel Insulation Jacketing.....	11.94	1.63
22 07 19 00-0877 LF 4-1/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	12.40	1.67
22 07 19 00-0878 LF 4-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	12.86	1.72
22 07 19 00-0879 LF 5" ID, 0.010" Stainless Steel Insulation Jacketing.....	13.83	1.80
22 07 19 00-0880 LF 5-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	14.85	1.89
22 07 19 00-0881 LF 6" ID, 0.010" Stainless Steel Insulation Jacketing.....	15.88	2.00
22 07 19 00-0882 LF 6-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	16.73	2.06
22 07 19 00-0883 LF 7" ID, 0.010" Stainless Steel Insulation Jacketing.....	17.60	2.11
22 07 19 00-0884 LF 7-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	18.54	2.19
22 07 19 00-0885 LF 8" ID, 0.010" Stainless Steel Insulation Jacketing.....	19.33	2.23
22 07 19 00-0886 LF 8-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	20.12	2.27
22 07 19 00-0887 LF 9" ID, 0.010" Stainless Steel Insulation Jacketing.....	20.92	2.32
22 07 19 00-0888 LF 9-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	21.72	2.36
22 07 19 00-0889 LF 10" ID, 0.010" Stainless Steel Insulation Jacketing.....	22.55	2.41
22 07 19 00-0890 LF 10-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	23.38	2.46



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0891	LF		11" ID, 0.010" Stainless Steel Insulation Jacketing.....	24.20	2.51
22 07 19 00-0892	LF		12" ID, 0.010" Stainless Steel Insulation Jacketing.....	25.89	2.62
22 07 19 00-0893	LF		13" ID, 0.010" Stainless Steel Insulation Jacketing.....	27.54	2.72
22 07 19 00-0894	LF		14" ID, 0.010" Stainless Steel Insulation Jacketing.....	28.96	2.76
22 07 19 00-0895 16 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands (22 07 19 00-0895)					
22 07 19 00-0896	LF		2-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	12.75	1.91
22 07 19 00-0897	LF		2-3/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	13.35	1.95
22 07 19 00-0898	LF		3" ID, 0.016" Stainless Steel Insulation Jacketing.....	13.96	1.99
22 07 19 00-0899	LF		3-1/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	14.60	2.04
22 07 19 00-0900	LF		3-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	15.23	2.08
22 07 19 00-0901	LF		3-3/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	15.87	2.12
22 07 19 00-0902	LF		4" ID, 0.016" Stainless Steel Insulation Jacketing.....	16.52	2.17
22 07 19 00-0903	LF		4-1/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	17.17	2.22
22 07 19 00-0904	LF		4-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	17.83	2.28
22 07 19 00-0905	LF		5" ID, 0.016" Stainless Steel Insulation Jacketing.....	19.20	2.39
22 07 19 00-0906	LF		5-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	20.61	2.51
22 07 19 00-0907	LF		6" ID, 0.016" Stainless Steel Insulation Jacketing.....	22.07	2.65
22 07 19 00-0908	LF		6-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	23.28	2.73
22 07 19 00-0909	LF		7" ID, 0.016" Stainless Steel Insulation Jacketing.....	24.51	2.81
22 07 19 00-0910	LF		7-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	25.82	2.92
22 07 19 00-0911	LF		8" ID, 0.016" Stainless Steel Insulation Jacketing.....	26.94	2.97
22 07 19 00-0912	LF		8-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	28.08	3.03
22 07 19 00-0913	LF		9" ID, 0.016" Stainless Steel Insulation Jacketing.....	29.23	3.09
22 07 19 00-0914	LF		9-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	30.37	3.15
22 07 19 00-0915	LF		10" ID, 0.016" Stainless Steel Insulation Jacketing.....	31.52	3.21
22 07 19 00-0916	LF		10-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	32.72	3.27
22 07 19 00-0917	LF		11" ID, 0.0106 Stainless Steel Insulation Jacketing.....	33.89	3.34
22 07 19 00-0918	LF		12" ID, 0.016" Stainless Steel Insulation Jacketing.....	36.27	3.49
22 07 19 00-0919	LF		13" ID, 0.016" Stainless Steel Insulation Jacketing.....	38.63	3.62
22 07 19 00-0920	LF		14" ID, 0.016" Stainless Steel Insulation Jacketing.....	40.65	3.67
22 07 19 00-0921 Type 316 Stainless Steel Insulation Protective Jacketing For Fittings (22 07 19 00-0921)					
22 07 19 00-0922	EA		2-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	26.95	2.86
22 07 19 00-0923	EA		2-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	27.22	2.93
22 07 19 00-0924	EA		3" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	28.23	3.00
22 07 19 00-0925	EA		3-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	28.53	3.07
22 07 19 00-0926	EA		3-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	29.57	3.13
22 07 19 00-0927	EA		3-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	30.76	3.18
22 07 19 00-0928	EA		4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	32.91	3.27
22 07 19 00-0929	EA		4-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	39.67	3.33
22 07 19 00-0930	EA		4-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	39.92	3.39
22 07 19 00-0931	EA		5" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	41.06	3.52
22 07 19 00-0932	EA		5-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	55.03	3.70
22 07 19 00-0933	EA		6" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	59.76	3.90
22 07 19 00-0934	EA		6-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	77.27	4.13
22 07 19 00-0935	EA		7" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	77.66	4.23
22 07 19 00-0936	EA		7-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	88.24	4.33
22 07 19 00-0937	EA		8" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	88.90	4.49
22 07 19 00-0938	EA		8-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	91.32	4.49
22 07 19 00-0939	EA		9" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	129.98	4.61
22 07 19 00-0940	EA		9-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	128.28	4.66
22 07 19 00-0941	EA		10" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	128.53	4.73
22 07 19 00-0942	EA		10-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	150.32	4.79
22 07 19 00-0943	EA		11" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	144.63	4.85
22 07 19 00-0944	EA		12" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	162.38	5.06
22 07 19 00-0945	EA		13" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	218.08	5.29
22 07 19 00-0946	EA		14" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	220.04	5.45
22 07 19 00-0947	EA		2-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	24.37	2.86
22 07 19 00-0948	EA		2-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	24.64	2.93
22 07 19 00-0949	EA		3" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	25.92	3.00
22 07 19 00-0950	EA		3-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	26.22	3.07
22 07 19 00-0951	EA		3-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	26.61	3.13
22 07 19 00-0952	EA		3-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	26.83	3.18
22 07 19 00-0953	EA		4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	31.21	3.27
22 07 19 00-0954	EA		4-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	38.78	3.33
22 07 19 00-0955	EA		4-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	39.03	3.39
22 07 19 00-0956	EA		4-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	39.29	3.45
22 07 19 00-0957	EA		5" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	39.99	3.52
22 07 19 00-0958	EA		5-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	40.72	3.70
22 07 19 00-0959	EA		6" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	46.35	3.90
22 07 19 00-0960	EA		6-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	47.25	4.13
22 07 19 00-0961	EA		7" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	68.90	4.23
22 07 19 00-0962	EA		7-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	70.37	4.33
22 07 19 00-0963	EA		8" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	70.58	4.38
22 07 19 00-0964	EA		8-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	80.06	4.49
22 07 19 00-0965	EA		9" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	80.51	4.61

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 07 19 00-0966	EA	9-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	91.56	4.66
22 07 19 00-0967	EA	10" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	91.81	4.73
22 07 19 00-0968	EA	10-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	106.77	4.79
22 07 19 00-0969	EA	11" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	107.03	4.85
22 07 19 00-0970	EA	12" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	115.39	5.06
22 07 19 00-0971	EA	13" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	133.10	5.29

22 07 19 00-0972 Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0492)

22 07 19 00-0973 20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0972)

22 07 19 00-0974	LF	1-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	5.63	1.33
22 07 19 00-0975	LF	2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	5.93	1.38
22 07 19 00-0976	LF	2-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	6.22	1.43
22 07 19 00-0977	LF	3" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	6.56	1.49
22 07 19 00-0978	LF	3-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	6.90	1.56
22 07 19 00-0979	LF	4" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	7.27	1.63
22 07 19 00-0980	LF	4-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	7.66	1.72
22 07 19 00-0981	LF	5" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	8.08	1.80
22 07 19 00-0982	LF	5-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	8.55	1.89
22 07 19 00-0983	LF	6" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.05	2.00
22 07 19 00-0984	LF	6-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.37	2.06
22 07 19 00-0985	LF	7" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.68	2.11
22 07 19 00-0986	LF	7-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	10.10	2.19
22 07 19 00-0987	LF	8" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	10.34	2.23
22 07 19 00-0988	LF	8-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	10.59	2.27
22 07 19 00-0989	LF	9" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	10.85	2.32
22 07 19 00-0990	LF	9-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	11.12	2.36
22 07 19 00-0991	LF	10" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	11.39	2.41
22 07 19 00-0992	LF	10-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	11.68	2.46
22 07 19 00-0993	LF	11" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	11.97	2.51
22 07 19 00-0994	LF	11-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	12.27	2.56
22 07 19 00-0995	LF	12" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	12.57	2.62
22 07 19 00-0996	LF	12-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	12.90	2.68
22 07 19 00-0997	LF	13" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	13.14	2.72
22 07 19 00-0998	LF	13-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	13.23	2.72
22 07 19 00-0999	LF	14" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	13.48	2.76
22 07 19 00-1000	LF	15" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	13.83	2.80
22 07 19 00-1001	LF	16" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	14.17	2.86
22 07 19 00-1002	LF	17" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	14.52	2.90
22 07 19 00-1003	LF	18" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	14.89	2.95
22 07 19 00-1004	LF	19" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	15.25	3.00
22 07 19 00-1005	LF	20" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	15.62	3.05
22 07 19 00-1006	LF	21" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	16.00	3.10
22 07 19 00-1007	LF	22" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	16.39	3.15
22 07 19 00-1008	LF	23" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	16.77	3.21
22 07 19 00-1009	LF	24" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	17.19	3.27
22 07 19 00-1010	LF	25" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	17.60	3.33
22 07 19 00-1011	LF	26" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	18.01	3.39
22 07 19 00-1012	LF	27" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	18.45	3.45
22 07 19 00-1013	LF	28" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	18.88	3.52
22 07 19 00-1014	LF	29" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	19.33	3.59
22 07 19 00-1015	LF	30" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	19.81	3.66

22 07 19 00-1016 30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0972)

22 07 19 00-1017	LF	2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	6.11	1.38
22 07 19 00-1018	LF	2-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	6.46	1.43
22 07 19 00-1019	LF	3" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	6.84	1.49
22 07 19 00-1020	LF	3-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	7.21	1.56
22 07 19 00-1021	LF	4" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	7.62	1.63
22 07 19 00-1022	LF	4-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	8.05	1.72
22 07 19 00-1023	LF	5" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	8.51	1.80
22 07 19 00-1024	LF	5-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.03	1.89
22 07 19 00-1025	LF	6" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.56	2.00
22 07 19 00-1026	LF	6-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.91	2.06
22 07 19 00-1027	LF	7" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	10.28	2.11
22 07 19 00-1028	LF	7-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	10.73	2.19
22 07 19 00-1029	LF	8" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	11.02	2.23
22 07 19 00-1030	LF	8-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	11.31	2.27
22 07 19 00-1031	LF	9" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	11.61	2.32
22 07 19 00-1032	LF	9-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	11.91	2.36
22 07 19 00-1033	LF	10" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	12.24	2.41
22 07 19 00-1034	LF	10-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	12.56	2.46
22 07 19 00-1035	LF	11" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	12.89	2.51
22 07 19 00-1036	LF	11-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	13.23	2.56
22 07 19 00-1037	LF	12" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	13.57	2.62
22 07 19 00-1038	LF	12-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	13.94	2.68
22 07 19 00-1039	LF	13" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	14.24	2.72
22 07 19 00-1040	LF	13-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	14.36	2.72
22 07 19 00-1041	LF	14" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	14.65	2.76



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1042	LF		15" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	15.07	2.80
22 07 19 00-1043	LF		16" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	15.50	2.86
22 07 19 00-1044	LF		17" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	15.93	2.90
22 07 19 00-1045	LF		18" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	16.38	2.95
22 07 19 00-1046	LF		19" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	16.83	3.00
22 07 19 00-1047	LF		20" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	17.28	3.05
22 07 19 00-1048	LF		21" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	17.74	3.10
22 07 19 00-1049	LF		22" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	18.21	3.15
22 07 19 00-1050	LF		23" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	18.67	3.21
22 07 19 00-1051	LF		24" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	19.16	3.27
22 07 19 00-1052	LF		25" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	19.66	3.33
22 07 19 00-1053	LF		26" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	20.16	3.39
22 07 19 00-1054	LF		27" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	20.67	3.45
22 07 19 00-1055	LF		28" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	21.19	3.52
22 07 19 00-1056	LF		29" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	21.72	3.59
22 07 19 00-1057	LF		30" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	22.27	3.66
22 07 19 00-1058 Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings (22 07 19 00-0972)					
22 07 19 00-1059	EA		1-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	11.32	2.66
22 07 19 00-1060	EA		2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	11.91	2.76
22 07 19 00-1061	EA		2-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	12.18	2.80
22 07 19 00-1062	EA		2-1/2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	12.45	2.86
22 07 19 00-1063	EA		2-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	12.81	2.93
22 07 19 00-1064	EA		3" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	13.17	3.00
22 07 19 00-1065	EA		3-3/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	13.75	3.10
22 07 19 00-1066	EA		3-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	14.24	3.18
22 07 19 00-1067	EA		4-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	14.99	3.27
22 07 19 00-1068	EA		4-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	16.00	3.42
22 07 19 00-1069	EA		5-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	17.07	3.59
22 07 19 00-1070	EA		5-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	18.68	3.78
22 07 19 00-1071	EA		6-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	21.90	4.00
22 07 19 00-1072	EA		6-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	22.76	4.13
22 07 19 00-1073	EA		7-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	24.73	4.23
22 07 19 00-1074	EA		7-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	25.52	4.33
22 07 19 00-1075	EA		8-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	28.53	4.49
22 07 19 00-1076	EA		9-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	32.76	4.66
22 07 19 00-1077	EA		10-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	35.16	4.85
22 07 19 00-1078	EA		11-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	38.28	5.06
22 07 19 00-1079	EA		12-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	43.92	5.29
22 07 19 00-1080	EA		14-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	47.81	5.45
22 07 19 00-1081	EA		15-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	50.44	5.61
22 07 19 00-1082	EA		16-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	53.35	5.70
22 07 19 00-1083	EA		17-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	57.07	5.79
22 07 19 00-1084	EA		18-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	67.27	5.89
22 07 19 00-1085	EA		19-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	83.29	5.99
22 07 19 00-1086	EA		20-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	100.62	6.09
22 07 19 00-1087	EA		1-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	11.32	2.66
22 07 19 00-1088	EA		2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	11.91	2.76
22 07 19 00-1089	EA		2-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	12.18	2.80
22 07 19 00-1090	EA		2-1/2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	12.45	2.86
22 07 19 00-1091	EA		2-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	12.81	2.93
22 07 19 00-1092	EA		3" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	13.17	3.00
22 07 19 00-1093	EA		3-3/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	13.75	3.10
22 07 19 00-1094	EA		3-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	14.24	3.18
22 07 19 00-1095	EA		4-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	14.99	3.27
22 07 19 00-1096	EA		4-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	16.00	3.42
22 07 19 00-1097	EA		5-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	17.07	3.59
22 07 19 00-1098	EA		5-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	18.68	3.78
22 07 19 00-1099	EA		6-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	21.90	4.00
22 07 19 00-1100	EA		6-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	22.76	4.13
22 07 19 00-1101	EA		7-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	24.73	4.23
22 07 19 00-1102	EA		7-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	25.52	4.33
22 07 19 00-1103	EA		8-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	28.53	4.49
22 07 19 00-1104	EA		9-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	32.76	4.66
22 07 19 00-1105	EA		10-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	35.15	4.85
22 07 19 00-1106	EA		11-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	37.59	5.06
22 07 19 00-1107	EA		12-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	40.50	5.29
22 07 19 00-1108	EA		14-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	43.89	5.45
22 07 19 00-1109	EA		15-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	46.20	5.61
22 07 19 00-1110	EA		16-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	49.92	5.70
22 07 19 00-1111	EA		17-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	53.71	5.79
22 07 19 00-1112	EA		18-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	60.87	5.89
22 07 19 00-1113	EA		19-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	74.84	5.99
22 07 19 00-1114	EA		20-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	81.99	6.09
22 07 19 00-1115	EA		1-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	16.26	3.74
22 07 19 00-1116	EA		2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	16.75	3.82
22 07 19 00-1117	EA		2-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	17.38	3.94
22 07 19 00-1118	EA		2-1/2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	18.07	4.09
22 07 19 00-1119	EA		2-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	18.83	4.23
22 07 19 00-1120	EA		3" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	19.60	4.38

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR
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TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 07 19 00-1121	EA	3-3/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	20.58	4.55
22 07 19 00-1122	EA	3-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	21.62	4.73
22 07 19 00-1123	EA	4-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	22.89	4.92
22 07 19 00-1124	EA	4-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	24.52	5.14
22 07 19 00-1125	EA	5-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	26.25	5.37
22 07 19 00-1126	EA	5-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	29.19	5.70
22 07 19 00-1127	EA	6-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	32.33	5.99
22 07 19 00-1128	EA	6-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	34.72	6.09
22 07 19 00-1129	EA	7-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	41.97	6.31
22 07 19 00-1130	EA	7-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	44.99	6.65
22 07 19 00-1131	EA	8-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	49.99	6.91
22 07 19 00-1132	EA	9-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	55.10	7.18
22 07 19 00-1133	EA	10-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	56.62	7.49
22 07 19 00-1134	EA	11-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	60.22	7.65
22 07 19 00-1135	EA	12-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	63.84	7.81
22 07 19 00-1136	EA	14-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	67.52	7.98
22 07 19 00-1137	EA	15-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	71.20	8.16
22 07 19 00-1138	EA	16-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	74.92	8.35
22 07 19 00-1139	EA	17-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	78.65	8.56
22 07 19 00-1140	EA	18-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	83.96	8.77
22 07 19 00-1141	EA	19-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	89.29	8.98
22 07 19 00-1142	EA	20-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	95.65	9.21
22 07 19 00-1143	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	15.68	2.56
22 07 19 00-1144	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	15.68	2.56
22 07 19 00-1145	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	17.49	2.66
22 07 19 00-1146	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	17.49	2.66
22 07 19 00-1147	EA	2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	21.87	2.76
22 07 19 00-1148	EA	2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	23.50	2.88
22 07 19 00-1149	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	25.42	3.00
22 07 19 00-1150	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	28.06	3.13
22 07 19 00-1151	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	30.41	3.27
22 07 19 00-1152	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	35.92	3.59
22 07 19 00-1153	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	47.81	4.00
22 07 19 00-1154	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	52.64	4.49
22 07 19 00-1155	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	63.52	4.79
22 07 19 00-1156	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	84.94	5.29
22 07 19 00-1157	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	86.02	5.53
22 07 19 00-1158	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	109.73	5.70
22 07 19 00-1159	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	143.09	5.89
22 07 19 00-1160	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	15.08	2.56
22 07 19 00-1161	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	15.08	2.56
22 07 19 00-1162	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	16.77	2.66
22 07 19 00-1163	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	16.77	2.66
22 07 19 00-1164	EA	2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	20.69	2.76
22 07 19 00-1165	EA	2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	22.18	2.88
22 07 19 00-1166	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	23.98	3.00
22 07 19 00-1167	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	25.16	3.13
22 07 19 00-1168	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	28.49	3.27
22 07 19 00-1169	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	33.55	3.59
22 07 19 00-1170	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	44.31	4.00
22 07 19 00-1171	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	48.81	4.49
22 07 19 00-1172	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	58.64	4.79
22 07 19 00-1173	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	77.96	5.29
22 07 19 00-1174	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	96.02	5.53
22 07 19 00-1175	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	112.35	5.70
22 07 19 00-1176	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	129.24	5.89
22 07 19 00-1177	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	22.51	3.86
22 07 19 00-1178	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	22.51	3.86
22 07 19 00-1179	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	24.87	4.00
22 07 19 00-1180	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	24.87	4.00
22 07 19 00-1181	EA	2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	30.56	4.13
22 07 19 00-1182	EA	2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	32.73	4.28
22 07 19 00-1183	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	35.44	4.49
22 07 19 00-1184	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	37.18	4.66
22 07 19 00-1185	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	42.29	4.92
22 07 19 00-1186	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	46.36	5.37
22 07 19 00-1187	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	60.80	5.99
22 07 19 00-1188	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	66.55	6.65
22 07 19 00-1189	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	86.42	7.18
22 07 19 00-1190	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	114.16	7.81
22 07 19 00-1191	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	133.57	8.35
22 07 19 00-1192	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	154.35	8.56
22 07 19 00-1193	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	167.39	8.77

22 07 19 00-1194 Insulation Foam Rubber (22 07 19)

22 07 19 00-1195 Covering 4x6 Sheet (22 07 19 00-1194)

22 07 19 00-1196	SF	1" Thick Foam Rubber Sheet Insulation	17.44	6.38
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	Plumbing	22	
	Plumbing Piping	22 10	22
	Plumbing Piping Insulation	22 07 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 10 Plumbing Piping⁽²²⁾

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

22 11 Facility Water Distribution^(22 10)

22 11 16 Domestic Water Piping^(22 11)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks. See CSI section 23 21 13 00-0000 for black steel piping and fitting.

22 11 16 00-0001 Galvanized Steel Pipe Assemblies^(22 11 16)

Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

22 11 16 00-0002	LF	1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	16.21	3.73
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.				
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add			4.20	
For ASTM 120, Deduct			-0.57	
For Work In Restricted Working Space, Add			3.71	
22 11 16 00-0003	LF	3/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	17.77	4.01
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.				
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add			4.72	
For ASTM 120, Deduct			-0.70	
For Work In Restricted Working Space, Add			3.93	
22 11 16 00-0004	LF	1" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	20.04	4.39
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.				
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add			5.52	
For ASTM 120, Deduct			-0.90	
For Work In Restricted Working Space, Add			4.20	
22 11 16 00-0005	LF	1-1/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	23.54	4.58
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.				
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add			6.88	
For ASTM 120, Deduct			-1.30	
For Work In Restricted Working Space, Add			4.46	
22 11 16 00-0006	LF	1-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	25.30	5.42
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.				
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add			7.51	
For ASTM 120, Deduct			-1.47	
For Work In Restricted Working Space, Add			4.65	
22 11 16 00-0007	LF	2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	30.50	6.53
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.				
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add			9.31	
For ASTM 120, Deduct			-1.93	
For Work In Restricted Working Space, Add			5.30	
22 11 16 00-0008	LF	2-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	44.91	7.74
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.				
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add			15.04	
For ASTM 120, Deduct			-3.63	
For Work In Restricted Working Space, Add			6.20	
22 11 16 00-0009	LF	3" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	55.20	10.36
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.				
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add			18.57	
For ASTM 120, Deduct			-4.52	
For Work In Restricted Working Space, Add			7.52	
22 11 16 00-0010	LF	4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	86.86	12.00
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.				
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add			32.08	
For ASTM 120, Deduct			-8.82	
For Work In Restricted Working Space, Add			8.41	
22 11 16 00-0011	LF	5" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	157.05	15.33
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.				
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add			62.21	
For ASTM 120, Deduct			-18.48	
For Work In Restricted Working Space, Add			10.16	
22 11 16 00-0012	LF	6" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	188.80	18.13
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.				
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add			75.34	
For ASTM 120, Deduct			-22.55	
For Work In Restricted Working Space, Add			11.54	

22 11 16 00-0013 Galvanized Steel Pipe And Threaded Fittings^(22 11 16)

Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
22 11 16 00-0014	Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe (22 11 16 00-0013)				
	Note: ASTM A-53. Includes coupling. Welded pipe has a weld bead on the inside.				
22 11 16 00-0015	LF 1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....	7.45		3.73	
	For Schedule 80 Pipe, Add	1.43			
	For ASTM 120, Deduct	-0.27			
	For Work In Restricted Working Space, Add	1.70			
22 11 16 00-0016	LF 3/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....	8.39		4.01	
	For Schedule 80 Pipe, Add	1.74			
	For ASTM 120, Deduct	-0.36			
	For Work In Restricted Working Space, Add	1.81			
22 11 16 00-0017	LF 1" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....	10.04		4.39	
	For Schedule 80 Pipe, Add	2.34			
	For ASTM 120, Deduct	-0.53			
	For Work In Restricted Working Space, Add	1.96			
22 11 16 00-0018	LF 1-1/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....	11.68		4.58	
	For Schedule 80 Pipe, Add	2.98			
	For ASTM 120, Deduct	-0.71			
	For Work In Restricted Working Space, Add	2.08			
22 11 16 00-0019	LF 1-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....	13.81		5.42	
	For Schedule 80 Pipe, Add	3.54			
	For ASTM 120, Deduct	-0.85			
	For Work In Restricted Working Space, Add	2.44			
22 11 16 00-0020	LF 2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....	17.47		6.53	
	For Schedule 80 Pipe, Add	4.65			
	For ASTM 120, Deduct	-1.15			
	For Work In Restricted Working Space, Add	2.95			
22 11 16 00-0021	LF 2-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....	23.80		7.74	
	For Schedule 80 Pipe, Add	6.99			
	For ASTM 120, Deduct	-1.82			
	For Work In Restricted Working Space, Add	3.50			
22 11 16 00-0022	LF 3" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....	31.44		10.36	
	For Schedule 80 Pipe, Add	9.18			
	For ASTM 120, Deduct	-2.38			
	For Work In Restricted Working Space, Add	4.67			
22 11 16 00-0023	LF 4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....	40.65		12.00	
	For Schedule 80 Pipe, Add	12.65			
	For ASTM 120, Deduct	-3.39			
	For Work In Restricted Working Space, Add	5.42			
22 11 16 00-0024	LF 5" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....	53.28		15.33	
	For Schedule 80 Pipe, Add	16.85			
	For ASTM 120, Deduct	-4.55			
	For Work In Restricted Working Space, Add	6.89			
22 11 16 00-0025	LF 6" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....	66.49		18.13	
	For Schedule 80 Pipe, Add	21.59			
	For ASTM 120, Deduct	-5.90			
	For Work In Restricted Working Space, Add	8.15			
22 11 16 00-0026	LF 8" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....	75.30		21.92	
	For Schedule 80 Pipe, Add	23.68			
	For ASTM 120, Deduct	-6.37			
	For Work In Restricted Working Space, Add	9.84			
22 11 16 00-0027	Seamless, Threaded And Coupled, Galvanized Steel Pipe (22 11 16 00-0013)				
	Note: ASTM A-53. Includes coupling.				
22 11 16 00-0028	LF 1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	9.63		3.73	
	For Schedule 80 Pipe, Add	2.47			
	For ASTM 120, Deduct	-0.60			
	For Work In Restricted Working Space, Add	1.70			
22 11 16 00-0029	LF 3/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	10.78		4.01	
	For Schedule 80 Pipe, Add	2.89			
	For ASTM 120, Deduct	-0.71			
	For Work In Restricted Working Space, Add	1.81			
22 11 16 00-0030	LF 1" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	12.05		4.39	
	For Schedule 80 Pipe, Add	3.31			
	For ASTM 120, Deduct	-0.83			
	For Work In Restricted Working Space, Add	1.96			
22 11 16 00-0031	LF 1-1/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	13.87		4.58	
	For Schedule 80 Pipe, Add	4.03			
	For ASTM 120, Deduct	-1.04			
	For Work In Restricted Working Space, Add	2.08			
22 11 16 00-0032	LF 1-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	16.06		5.42	
	For Schedule 80 Pipe, Add	4.62			
	For ASTM 120, Deduct	-1.19			
	For Work In Restricted Working Space, Add	2.44			
22 11 16 00-0033	LF 2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	18.86		6.53	
	For Schedule 80 Pipe, Add	5.32			
	For ASTM 120, Deduct	-1.36			
	For Work In Restricted Working Space, Add	2.95			
22 11 16 00-0034	LF 2-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	26.80		7.74	
	For Schedule 80 Pipe, Add	8.43			
	For ASTM 120, Deduct	-2.27			
	For Work In Restricted Working Space, Add	3.50			



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
22 11 16 00-0035	LF	3" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	34.06	10.36
		For Schedule 80 Pipe, Add	10.44	
		For ASTM 120, Deduct	-2.78	
		For Work In Restricted Working Space, Add	4.67	
22 11 16 00-0036	LF	4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	44.50	12.00
		For Schedule 80 Pipe, Add	14.50	
		For ASTM 120, Deduct	-3.97	
		For Work In Restricted Working Space, Add	5.42	
22 11 16 00-0037	LF	5" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	57.48	15.33
		For Schedule 80 Pipe, Add	18.87	
		For ASTM 120, Deduct	-5.18	
		For Work In Restricted Working Space, Add	6.89	
22 11 16 00-0038	LF	6" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	71.32	18.13
		For Schedule 80 Pipe, Add	23.91	
		For ASTM 120, Deduct	-6.62	
		For Work In Restricted Working Space, Add	8.15	
22 11 16 00-0039		Galvanized Malleable Iron 90 Degree Elbows (22 11 16 00-0013)		
22 11 16 00-0040	EA	1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	29.92	16.62
		For 300 LB Rating, Add	18.60	
		For ASTM 120, Deduct	-0.75	
		For Work In Restricted Working Space, Add	7.47	
22 11 16 00-0041	EA	3/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	34.04	18.58
		For 300 LB Rating, Add	22.68	
		For ASTM 120, Deduct	-0.93	
		For Work In Restricted Working Space, Add	8.36	
22 11 16 00-0042	EA	1", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	42.55	20.72
		For 300 LB Rating, Add	40.76	
		For ASTM 120, Deduct	-1.72	
		For Work In Restricted Working Space, Add	9.33	
22 11 16 00-0043	EA	1-1/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	53.30	23.52
		For 300 LB Rating, Add	63.59	
		For ASTM 120, Deduct	-2.71	
		For Work In Restricted Working Space, Add	10.57	
22 11 16 00-0044	EA	1-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	63.32	26.51
		For 300 LB Rating, Add	82.62	
		For ASTM 120, Deduct	-3.54	
		For Work In Restricted Working Space, Add	11.92	
22 11 16 00-0045	EA	2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	89.11	33.69
		For 300 LB Rating, Add	134.47	
		For ASTM 120, Deduct	-5.80	
		For Work In Restricted Working Space, Add	15.14	
22 11 16 00-0046	EA	2-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	175.84	49.85
		For 300 LB Rating, Add	348.46	
		For ASTM 120, Deduct	-15.18	
		For Work In Restricted Working Space, Add	22.40	
22 11 16 00-0047	EA	3", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	265.05	65.53
		For 300 LB Rating, Add	573.02	
		For ASTM 120, Deduct	-25.02	
		For Work In Restricted Working Space, Add	29.48	
22 11 16 00-0048	EA	4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	399.44	70.18
		For 300 LB Rating, Add	1,006.56	
		For ASTM 120, Deduct	-44.13	
		For Work In Restricted Working Space, Add	31.58	
22 11 16 00-0049	EA	5", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	1,380.30	73.25
		For 300 LB Rating, Add	4,326.19	
		For ASTM 120, Deduct	-190.57	
		For Work In Restricted Working Space, Add	32.95	
22 11 16 00-0050	EA	6", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	1,286.06	76.59
		For 300 LB Rating, Add	3,989.11	
		For ASTM 120, Deduct	-175.69	
		For Work In Restricted Working Space, Add	34.45	
22 11 16 00-0051	EA	8", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	1,533.01	80.04
		For 300 LB Rating, Add	4,811.47	
		For ASTM 120, Deduct	-211.95	
		For Work In Restricted Working Space, Add	36.00	
22 11 16 00-0052		Galvanized Malleable Iron Reducing 90 Degree Elbows (22 11 16 00-0013)		
22 11 16 00-0053	EA	3/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow.....	37.12	17.55
		For ASTM 120, Deduct	-1.61	
		For Work In Restricted Working Space, Add	7.91	
22 11 16 00-0054	EA	1" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow.....	43.27	19.69
		For ASTM 120, Deduct	-2.07	
		For Work In Restricted Working Space, Add	8.85	
22 11 16 00-0055	EA	1" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow.....	42.62	18.67
		For ASTM 120, Deduct	-2.19	
		For Work In Restricted Working Space, Add	8.40	
22 11 16 00-0056	EA	1-1/4" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow.....	56.30	22.12
		For ASTM 120, Deduct	-3.47	
		For Work In Restricted Working Space, Add	9.95	
22 11 16 00-0057	EA	1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow.....	59.32	21.01
		For ASTM 120, Deduct	-4.17	
		For Work In Restricted Working Space, Add	9.46	

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0058	EA	1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	59.48	20.07
		For ASTM 120, Deduct	-4.41	
		For Work In Restricted Working Space, Add	9.02	
22 11 16 00-0059	EA	1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	74.41	25.02
		For ASTM 120, Deduct	-5.54	
		For Work In Restricted Working Space, Add	11.24	
22 11 16 00-0060	EA	1-1/2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	72.37	23.62
		For ASTM 120, Deduct	-5.54	
		For Work In Restricted Working Space, Add	10.63	
22 11 16 00-0061	EA	1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	70.74	22.50
		For ASTM 120, Deduct	-5.54	
		For Work In Restricted Working Space, Add	10.14	
22 11 16 00-0062	EA	2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	88.26	30.05
		For ASTM 120, Deduct	-6.48	
		For Work In Restricted Working Space, Add	13.53	
22 11 16 00-0063	EA	2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	92.33	28.56
		For ASTM 120, Deduct	-7.42	
		For Work In Restricted Working Space, Add	12.85	
22 11 16 00-0064	EA	2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	92.14	27.16
		For ASTM 120, Deduct	-7.70	
		For Work In Restricted Working Space, Add	12.23	
22 11 16 00-0065	EA	2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	78.12	26.14
		For ASTM 120, Deduct	-5.84	
		For Work In Restricted Working Space, Add	11.75	
22 11 16 00-0066	EA	2-1/2" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	208.89	41.72
		For ASTM 120, Deduct	-21.95	
		For Work In Restricted Working Space, Add	18.77	
22 11 16 00-0067	EA	2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	220.23	38.18
		For ASTM 120, Deduct	-24.45	
		For Work In Restricted Working Space, Add	17.16	
22 11 16 00-0068	EA	3" x 2-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	352.43	57.68
		For ASTM 120, Deduct	-39.90	
		For Work In Restricted Working Space, Add	25.94	
22 11 16 00-0069	EA	3" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	305.35	49.56
		For ASTM 120, Deduct	-34.65	
		For Work In Restricted Working Space, Add	22.31	
22 11 16 00-0070	EA	4" x 3", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	701.96	66.76
		For ASTM 120, Deduct	-90.28	
		For Work In Restricted Working Space, Add	30.03	
22 11 16 00-0071		Galvanized Malleable Iron 45 Degree Elbow (22 11 16 00-0013)		
22 11 16 00-0072	EA	1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	30.82	16.62
		For 300 LB Rating, Add	21.66	
		For ASTM 120, Deduct	-0.89	
		For Work In Restricted Working Space, Add	7.47	
22 11 16 00-0073	EA	3/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	36.38	18.58
		For 300 LB Rating, Add	30.64	
		For ASTM 120, Deduct	-1.28	
		For Work In Restricted Working Space, Add	8.36	
22 11 16 00-0074	EA	1", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	40.73	20.72
		For 300 LB Rating, Add	34.57	
		For ASTM 120, Deduct	-1.44	
		For Work In Restricted Working Space, Add	9.33	
22 11 16 00-0075	EA	1-1/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	53.19	23.52
		For 300 LB Rating, Add	63.21	
		For ASTM 120, Deduct	-2.70	
		For Work In Restricted Working Space, Add	10.57	
22 11 16 00-0076	EA	1-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	60.83	26.51
		For 300 LB Rating, Add	74.16	
		For ASTM 120, Deduct	-3.17	
		For Work In Restricted Working Space, Add	11.92	
22 11 16 00-0077	EA	2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	81.69	33.69
		For 300 LB Rating, Add	109.24	
		For ASTM 120, Deduct	-4.69	
		For Work In Restricted Working Space, Add	15.14	
22 11 16 00-0078	EA	2-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	183.37	49.85
		For 300 LB Rating, Add	374.06	
		For ASTM 120, Deduct	-16.31	
		For Work In Restricted Working Space, Add	22.40	
22 11 16 00-0079	EA	3", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	256.34	65.53
		For 300 LB Rating, Add	543.40	
		For ASTM 120, Deduct	-23.71	
		For Work In Restricted Working Space, Add	29.48	
22 11 16 00-0080	EA	4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	370.28	70.18
		For 300 LB Rating, Add	907.42	
		For ASTM 120, Deduct	-39.75	
		For Work In Restricted Working Space, Add	31.58	
22 11 16 00-0081	EA	5", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	1,180.77	73.25
		For 300 LB Rating, Add	3,647.79	
		For ASTM 120, Deduct	-160.64	
		For Work In Restricted Working Space, Add	32.95	
22 11 16 00-0082	EA	6", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	1,406.13	76.59
		For 300 LB Rating, Add	4,397.34	
		For ASTM 120, Deduct	-193.70	
		For Work In Restricted Working Space, Add	34.45	



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0083	EA		8", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	1,675.64	80.04
			For 300 LB Rating, Add	5,296.41	
			For ASTM 120, Deduct	-233.35	
			For Work In Restricted Working Space, Add	36.00	
22 11 16 00-0084 Galvanized Malleable Iron Tees (22 11 16 00-0013)					
22 11 16 00-0085	EA		1/2", 150 LB, Galvanized Malleable Iron Tee.....	37.32	20.72
			For 300 LB Rating, Add	22.98	
			For ASTM 120, Deduct	-0.93	
			For Work In Restricted Working Space, Add	9.33	
22 11 16 00-0086	EA		3/4", 150 LB, Galvanized Malleable Iron Tee.....	46.14	23.99
			For 300 LB Rating, Add	36.97	
			For ASTM 120, Deduct	-1.54	
			For Work In Restricted Working Space, Add	10.77	
22 11 16 00-0087	EA		1", 150 LB, Galvanized Malleable Iron Tee.....	58.98	28.29
			For 300 LB Rating, Add	58.85	
			For ASTM 120, Deduct	-2.48	
			For Work In Restricted Working Space, Add	12.73	
22 11 16 00-0088	EA		1-1/4", 150 LB, Galvanized Malleable Iron Tee.....	76.73	33.69
			For 300 LB Rating, Add	92.38	
			For ASTM 120, Deduct	-3.94	
			For Work In Restricted Working Space, Add	15.14	
22 11 16 00-0089	EA		1-1/2", 150 LB, Galvanized Malleable Iron Tee.....	92.89	40.14
			For 300 LB Rating, Add	114.69	
			For ASTM 120, Deduct	-4.90	
			For Work In Restricted Working Space, Add	18.07	
22 11 16 00-0090	EA		2", 150 LB, Galvanized Malleable Iron Tee.....	127.77	49.85
			For 300 LB Rating, Add	185.02	
			For ASTM 120, Deduct	-7.97	
			For Work In Restricted Working Space, Add	22.40	
22 11 16 00-0091	EA		2-1/2", 150 LB, Galvanized Malleable Iron Tee.....	230.66	54.13
			For 300 LB Rating, Add	513.14	
			For ASTM 120, Deduct	-22.42	
			For Work In Restricted Working Space, Add	24.35	
22 11 16 00-0092	EA		3", 150 LB, Galvanized Malleable Iron Tee.....	273.56	65.53
			For 300 LB Rating, Add	601.95	
			For ASTM 120, Deduct	-26.30	
			For Work In Restricted Working Space, Add	29.48	
22 11 16 00-0093	EA		4", 150 LB, Galvanized Malleable Iron Tee.....	547.67	88.69
			For 300 LB Rating, Add	1,418.03	
			For ASTM 120, Deduct	-62.21	
			For Work In Restricted Working Space, Add	39.89	
22 11 16 00-0094	EA		5", 150 LB, Galvanized Malleable Iron Tee.....	1,461.49	105.28
			For 300 LB Rating, Add	4,441.75	
			For ASTM 120, Deduct	-195.54	
			For Work In Restricted Working Space, Add	47.36	
22 11 16 00-0095	EA		6", 150 LB, Galvanized Malleable Iron Tee.....	1,659.03	120.35
			For 300 LB Rating, Add	5,038.07	
			For ASTM 120, Deduct	-221.79	
			For Work In Restricted Working Space, Add	54.13	
22 11 16 00-0096	EA		8", 150 LB, Galvanized Malleable Iron Tee.....	1,973.37	142.90
			For 300 LB Rating, Add	5,986.28	
			For ASTM 120, Deduct	-263.53	
			For Work In Restricted Working Space, Add	64.96	
22 11 16 00-0097 Galvanized Malleable Iron Reducing Tee (22 11 16 00-0013)					
22 11 16 00-0098	EA		1/2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	45.55	20.72
			For 300 LB Rating, Add	50.96	
			For ASTM 120, Deduct	-2.17	
			For Work In Restricted Working Space, Add	9.33	
22 11 16 00-0099	EA		3/4", 150 LB, Galvanized Malleable Iron Reducing Tee.....	50.14	23.99
			For 300 LB Rating, Add	50.57	
			For ASTM 120, Deduct	-2.14	
			For Work In Restricted Working Space, Add	10.77	
22 11 16 00-0100	EA		1", 150 LB, Galvanized Malleable Iron Reducing Tee.....	62.43	28.29
			For 300 LB Rating, Add	70.58	
			For ASTM 120, Deduct	-3.00	
			For Work In Restricted Working Space, Add	12.73	
22 11 16 00-0101	EA		1-1/4", 150 LB, Galvanized Malleable Iron Reducing Tee.....	81.47	33.69
			For 300 LB Rating, Add	108.50	
			For ASTM 120, Deduct	-4.65	
			For Work In Restricted Working Space, Add	15.14	
22 11 16 00-0102	EA		1-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	98.53	40.14
			For 300 LB Rating, Add	133.87	
			For ASTM 120, Deduct	-5.75	
			For Work In Restricted Working Space, Add	18.07	
22 11 16 00-0103	EA		2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	130.61	49.85
			For 300 LB Rating, Add	194.68	
			For ASTM 120, Deduct	-8.39	
			For Work In Restricted Working Space, Add	22.40	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0104	EA	2-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	279.00 676.66 -29.64 24.43	54.32
22 11 16 00-0105	EA	3", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	356.05 877.24 -38.44 29.94	66.55
22 11 16 00-0106	EA	4", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	875.78 2,533.60 -111.42 39.89	88.69
22 11 16 00-0107	EA	5", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,965.21 6,154.39 -271.10 47.36	105.28
22 11 16 00-0108	EA	6", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2,134.88 6,655.28 -293.14 54.13	120.35
22 11 16 00-0109	EA	8", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2,563.81 8,023.94 -353.45 62.25	138.20
22 11 16 00-0110 Galvanized Malleable Iron Couplings (22 11 16 00-0013)				
22 11 16 00-0111	EA	1/2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	29.58 17.44 -0.70 7.47	16.62
22 11 16 00-0112	EA	3/4", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	33.26 20.03 -0.81 8.36	18.58
22 11 16 00-0113	EA	1", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	39.96 31.96 -1.33 9.33	20.72
22 11 16 00-0114	EA	1-1/4", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	47.71 44.58 -1.87 10.57	23.52
22 11 16 00-0115	EA	1-1/2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	53.91 50.63 -2.13 11.92	26.51
22 11 16 00-0116	EA	2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	71.20 73.58 -3.11 15.14	33.69
22 11 16 00-0117	EA	2-1/2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	138.19 220.45 -9.53 22.40	49.85
22 11 16 00-0118	EA	3", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	183.14 294.52 -12.73 29.48	65.53
22 11 16 00-0119	EA	4", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	285.55 619.34 -27.05 31.58	70.18
22 11 16 00-0120	EA	5", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	617.50 1,732.67 -76.15 32.95	73.25
22 11 16 00-0121	EA	6", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	693.20 1,973.38 -86.76 34.45	76.59
22 11 16 00-0122	EA	8", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	817.05 2,377.20 -104.56 36.00	80.04
22 11 16 00-0123 Galvanized Malleable Iron Reducing Couplings (22 11 16 00-0013)				
22 11 16 00-0124	EA	1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	30.58 20.84 -0.85 7.47	16.62



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0125 EA 3/4", 150 LB, Galvanized Malleable Iron Reducing Coupling..... For 300 LB Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	33.94 22.34 -0.91 8.36	18.58
22 11 16 00-0126 EA 1", 150 LB, Galvanized Malleable Iron Reducing Coupling..... For 300 LB Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	41.24 36.31 -1.52 9.33	20.72
22 11 16 00-0127 EA 1-1/4", 150 LB, Galvanized Malleable Iron Reducing Coupling..... For 300 LB Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	48.32 46.65 -1.97 10.57	23.52
22 11 16 00-0128 EA 1-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling..... For 300 LB Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	56.62 59.84 -2.54 11.92	26.51
22 11 16 00-0129 EA 2", 150 LB, Galvanized Malleable Iron Reducing Coupling..... For 300 LB Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	73.50 81.40 -3.46 15.14	33.69
22 11 16 00-0130 EA 2-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling..... For 300 LB Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	138.99 223.17 -9.65 22.40	49.85
22 11 16 00-0131 EA 3", 150 LB, Galvanized Malleable Iron Reducing Coupling..... For 300 LB Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	180.74 286.36 -12.37 29.48	65.53
22 11 16 00-0132 EA 4", 150 LB, Galvanized Malleable Iron Reducing Coupling..... For 300 LB Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	290.19 635.11 -27.74 31.58	70.18
22 11 16 00-0133 EA 5", 150 LB, Galvanized Malleable Iron Reducing Coupling..... For 300 LB Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	644.23 1,823.55 -80.16 32.95	73.25
22 11 16 00-0134 EA 6", 150 LB, Galvanized Malleable Iron Reducing Coupling..... For 300 LB Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	723.64 2,076.88 -91.32 34.45	76.59
22 11 16 00-0135 EA 8", 150 LB, Galvanized Malleable Iron Reducing Coupling..... For 300 LB Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	854.02 2,502.90 -110.10 36.00	80.04
22 11 16 00-0136 Galvanized Malleable Iron Caps (22 11 16 00-0013)		
22 11 16 00-0137 EA 1/2", 150 LB, Galvanized Malleable Iron Cap For 300 LB Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	13.79 7.91 -0.32 3.50	7.74
22 11 16 00-0138 EA 3/4", 150 LB, Galvanized Malleable Iron Cap For 300 LB Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	15.38 10.74 -0.44 3.73	8.31
22 11 16 00-0139 EA 1", 150 LB, Galvanized Malleable Iron Cap For 300 LB Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	18.00 13.24 -0.55 4.31	9.61
22 11 16 00-0140 EA 1-1/4", 150 LB, Galvanized Malleable Iron Cap For 300 LB Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	19.86 17.22 -0.72 4.52	10.08
22 11 16 00-0141 EA 1-1/2", 150 LB, Galvanized Malleable Iron Cap For 300 LB Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	19.55 16.17 -0.67 4.52	10.08
22 11 16 00-0142 EA 2", 150 LB, Galvanized Malleable Iron Cap For 300 LB Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	29.69 33.88 -1.44 6.02	13.35
22 11 16 00-0143 EA 2-1/2", 150 LB, Galvanized Malleable Iron Cap For 300 LB Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	46.46 74.83 -3.24 7.47	16.62
22 11 16 00-0144 EA 3", 150 LB, Galvanized Malleable Iron Cap For 300 LB Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	60.82 106.22 -4.61 9.03	20.07
22 11 16 00-0145 EA 4", 150 LB, Galvanized Malleable Iron Cap For 300 LB Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	93.51 197.39 -8.61 10.83	24.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0146	EA	5", 150 LB, Galvanized Malleable Iron Cap..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	235.72 650.78 -28.59 13.53	30.13
22 11 16 00-0147	EA	6", 150 LB, Galvanized Malleable Iron Cap..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	293.98 820.01 -36.03 16.13	35.81
22 11 16 00-0148	EA	8", 150 LB, Galvanized Malleable Iron Cap..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	371.32 1,062.12 -46.70 18.00	40.02
22 11 16 00-0149 Galvanized Malleable Iron FIP Threaded, Unions (22 11 16 00-0013)				
22 11 16 00-0150	EA	1/2", 150 LB, Galvanized Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	47.44 9.33	20.72
22 11 16 00-0151	EA	3/4", 150 LB, Galvanized Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	54.66 10.77	23.99
22 11 16 00-0152	EA	1", 150 LB, Galvanized Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	66.99 12.73	28.29
22 11 16 00-0153	EA	1-1/4", 150 LB, Galvanized Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	85.97 15.14	33.69
22 11 16 00-0154	EA	1-1/2", 150 LB, Galvanized Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	103.26 18.07	40.14
22 11 16 00-0155	EA	2", 150 LB, Galvanized Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	124.15 22.40	49.85
22 11 16 00-0156	EA	2-1/2", 150 LB, Galvanized Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	282.10 33.07	73.45
22 11 16 00-0157	EA	3", 150 LB, Galvanized Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	385.58 43.51	96.61
22 11 16 00-0158	EA	1/2", 250 LB, Galvanized Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	64.31 9.33	20.72
22 11 16 00-0159	EA	3/4", 250 LB, Galvanized Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	66.07 10.77	23.99
22 11 16 00-0160	EA	1", 250 LB, Galvanized Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	79.82 12.73	28.29
22 11 16 00-0161	EA	1-1/4", 250 LB, Galvanized Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	107.09 15.14	33.69
22 11 16 00-0162	EA	1-1/2", 250 LB, Galvanized Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	125.42 18.07	40.14
22 11 16 00-0163	EA	2", 250 LB, Galvanized Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	166.75 22.40	49.85
22 11 16 00-0164	EA	2-1/2", 250 LB, Galvanized Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	352.46 33.07	73.45
22 11 16 00-0165	EA	3", 250 LB, Galvanized Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	516.69 43.51	96.61
22 11 16 00-0166	EA	4", 250 LB, Galvanized Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	738.36 46.61	103.56
22 11 16 00-0167	EA	1/2", 300 LB, Galvanized Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	68.94 9.33	20.72
22 11 16 00-0168	EA	3/4", 300 LB, Galvanized Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	76.92 10.77	23.99
22 11 16 00-0169	EA	1", 300 LB, Galvanized Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	96.84 12.73	28.29
22 11 16 00-0170	EA	1-1/4", 300 LB, Galvanized Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	126.33 15.14	33.69
22 11 16 00-0171	EA	1-1/2", 300 LB, Galvanized Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	151.59 18.07	40.14
22 11 16 00-0172	EA	2", 300 LB, Galvanized Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	184.34 22.40	49.85
22 11 16 00-0173	EA	2-1/2", 300 LB, Galvanized Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	416.14 33.07	73.45
22 11 16 00-0174	EA	3", 300 LB, Galvanized Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	662.42 43.51	96.61
22 11 16 00-0175	EA	4", 300 LB, Galvanized Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	1,452.97 46.61	103.56
22 11 16 00-0176 Galvanized Steel Nipples (22 11 16 00-0013)				
Note: ASTM A-53.				
22 11 16 00-0177	EA	3/8" x Close, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.27 2.21 -0.29 4.00	8.86
22 11 16 00-0178	EA	1/2" x Close, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	14.90 1.79 -0.24 4.00	8.86
22 11 16 00-0179	EA	3/4" x Close, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.23 2.17 -0.29 4.00	8.86



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0180	EA	1" x Close, Schedule 40 Galvanized Steel Nipple	16.97	9.61
		For Schedule 80 Nipples, Add	.....	2.98	
		For ASTM 120, Deduct	.....	-0.39	
		For Work In Restricted Working Space, Add	.....	4.31	
22 11 16 00-0181	EA	1-1/4" x Close, Schedule 40 Galvanized Steel Nipple	.....	19.07	10.36
		For Schedule 80 Nipples, Add	.....	4.00	
		For ASTM 120, Deduct	.....	-0.53	
		For Work In Restricted Working Space, Add	.....	4.67	
22 11 16 00-0182	EA	1-1/2" x Close, Schedule 40 Galvanized Steel Nipple	.....	19.67	10.36
		For Schedule 80 Nipples, Add	.....	4.69	
		For ASTM 120, Deduct	.....	-0.62	
		For Work In Restricted Working Space, Add	.....	4.67	
22 11 16 00-0183	EA	2" x Close, Schedule 40 Galvanized Steel Nipple	.....	25.88	13.35
		For Schedule 80 Nipples, Add	.....	6.61	
		For ASTM 120, Deduct	.....	-0.87	
		For Work In Restricted Working Space, Add	.....	6.02	
22 11 16 00-0184	EA	2-1/2" x Close, Schedule 40 Galvanized Steel Nipple	.....	42.15	16.62
		For Schedule 80 Nipples, Add	.....	19.68	
		For ASTM 120, Deduct	.....	-2.59	
		For Work In Restricted Working Space, Add	.....	7.47	
22 11 16 00-0185	EA	3" x Close, Schedule 40 Galvanized Steel Nipple	.....	50.79	20.07
		For Schedule 80 Nipples, Add	.....	23.58	
		For ASTM 120, Deduct	.....	-3.10	
		For Work In Restricted Working Space, Add	.....	9.03	
22 11 16 00-0186	EA	4" x Close, Schedule 40 Galvanized Steel Nipple	.....	67.08	24.08
		For Schedule 80 Nipples, Add	.....	35.33	
		For ASTM 120, Deduct	.....	-4.65	
		For Work In Restricted Working Space, Add	.....	10.83	
22 11 16 00-0187	EA	3/8" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	.....	15.55	8.86
		For Schedule 80 Nipples, Add	.....	2.53	
		For ASTM 120, Deduct	.....	-0.33	
		For Work In Restricted Working Space, Add	.....	4.00	
22 11 16 00-0188	EA	1/2" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	.....	14.98	8.86
		For Schedule 80 Nipples, Add	.....	1.88	
		For ASTM 120, Deduct	.....	-0.25	
		For Work In Restricted Working Space, Add	.....	4.00	
22 11 16 00-0189	EA	3/4" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	.....	15.40	8.86
		For Schedule 80 Nipples, Add	.....	2.36	
		For ASTM 120, Deduct	.....	-0.31	
		For Work In Restricted Working Space, Add	.....	4.00	
22 11 16 00-0190	EA	3/8" x 2" Long, Schedule 40 Galvanized Steel Nipple	.....	15.55	8.86
		For Schedule 80 Nipples, Add	.....	2.53	
		For ASTM 120, Deduct	.....	-0.33	
		For Work In Restricted Working Space, Add	.....	4.00	
22 11 16 00-0191	EA	1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple	.....	14.98	8.86
		For Schedule 80 Nipples, Add	.....	1.88	
		For ASTM 120, Deduct	.....	-0.25	
		For Work In Restricted Working Space, Add	.....	4.00	
22 11 16 00-0192	EA	3/4" x 2" Long, Schedule 40 Galvanized Steel Nipple	.....	15.40	8.86
		For Schedule 80 Nipples, Add	.....	2.36	
		For ASTM 120, Deduct	.....	-0.31	
		For Work In Restricted Working Space, Add	.....	4.00	
22 11 16 00-0193	EA	1" x 2" Long, Schedule 40 Galvanized Steel Nipple	.....	17.44	9.61
		For Schedule 80 Nipples, Add	.....	3.51	
		For ASTM 120, Deduct	.....	-0.46	
		For Work In Restricted Working Space, Add	.....	4.31	
22 11 16 00-0194	EA	1-1/4" x 2" Long, Schedule 40 Galvanized Steel Nipple	.....	19.32	10.36
		For Schedule 80 Nipples, Add	.....	4.29	
		For ASTM 120, Deduct	.....	-0.56	
		For Work In Restricted Working Space, Add	.....	4.67	
22 11 16 00-0195	EA	1-1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple	.....	19.98	10.36
		For Schedule 80 Nipples, Add	.....	5.04	
		For ASTM 120, Deduct	.....	-0.66	
		For Work In Restricted Working Space, Add	.....	4.67	
22 11 16 00-0196	EA	3/8" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	.....	16.30	8.86
		For Schedule 80 Nipples, Add	.....	3.39	
		For ASTM 120, Deduct	.....	-0.45	
		For Work In Restricted Working Space, Add	.....	4.00	
22 11 16 00-0197	EA	1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	.....	15.27	8.86
		For Schedule 80 Nipples, Add	.....	2.21	
		For ASTM 120, Deduct	.....	-0.29	
		For Work In Restricted Working Space, Add	.....	4.00	
22 11 16 00-0198	EA	3/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	.....	15.62	8.86
		For Schedule 80 Nipples, Add	.....	2.61	
		For ASTM 120, Deduct	.....	-0.34	
		For Work In Restricted Working Space, Add	.....	4.00	
22 11 16 00-0199	EA	1" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	.....	17.70	9.61
		For Schedule 80 Nipples, Add	.....	3.81	
		For ASTM 120, Deduct	.....	-0.50	
		For Work In Restricted Working Space, Add	.....	4.31	
22 11 16 00-0200	EA	1-1/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	.....	19.69	10.36
		For Schedule 80 Nipples, Add	4.71	
		For ASTM 120, Deduct	-0.62	
		For Work In Restricted Working Space, Add	4.67	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0201	EA	1-1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.48	10.36
		For Schedule 80 Nipples, Add	5.61	
		For ASTM 120, Deduct	-0.74	
		For Work In Restricted Working Space, Add	4.67	
22 11 16 00-0202	EA	2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	26.60	13.35
		For Schedule 80 Nipples, Add	7.43	
		For ASTM 120, Deduct	-0.98	
		For Work In Restricted Working Space, Add	6.02	
22 11 16 00-0203	EA	3/8" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	16.30	8.86
		For Schedule 80 Nipples, Add	3.39	
		For ASTM 120, Deduct	-0.45	
		For Work In Restricted Working Space, Add	4.00	
22 11 16 00-0204	EA	1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	15.27	8.86
		For Schedule 80 Nipples, Add	2.21	
		For ASTM 120, Deduct	-0.29	
		For Work In Restricted Working Space, Add	4.00	
22 11 16 00-0205	EA	3/4" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	15.62	8.86
		For Schedule 80 Nipples, Add	2.61	
		For ASTM 120, Deduct	-0.34	
		For Work In Restricted Working Space, Add	4.00	
22 11 16 00-0206	EA	1" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	17.70	9.61
		For Schedule 80 Nipples, Add	3.81	
		For ASTM 120, Deduct	-0.50	
		For Work In Restricted Working Space, Add	4.31	
22 11 16 00-0207	EA	1-1/4" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	19.69	10.36
		For Schedule 80 Nipples, Add	4.71	
		For ASTM 120, Deduct	-0.62	
		For Work In Restricted Working Space, Add	4.67	
22 11 16 00-0208	EA	1-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	20.48	10.36
		For Schedule 80 Nipples, Add	5.61	
		For ASTM 120, Deduct	-0.74	
		For Work In Restricted Working Space, Add	4.67	
22 11 16 00-0209	EA	2" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	26.60	13.35
		For Schedule 80 Nipples, Add	7.43	
		For ASTM 120, Deduct	-0.98	
		For Work In Restricted Working Space, Add	6.02	
22 11 16 00-0210	EA	2-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	42.80	16.62
		For Schedule 80 Nipples, Add	20.42	
		For ASTM 120, Deduct	-2.69	
		For Work In Restricted Working Space, Add	7.47	
22 11 16 00-0211	EA	3" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	53.64	20.07
		For Schedule 80 Nipples, Add	26.82	
		For ASTM 120, Deduct	-3.53	
		For Work In Restricted Working Space, Add	9.03	
22 11 16 00-0212	EA	3/8" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	16.85	8.86
		For Schedule 80 Nipples, Add	4.01	
		For ASTM 120, Deduct	-0.53	
		For Work In Restricted Working Space, Add	4.00	
22 11 16 00-0213	EA	1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	15.72	8.86
		For Schedule 80 Nipples, Add	2.72	
		For ASTM 120, Deduct	-0.36	
		For Work In Restricted Working Space, Add	4.00	
22 11 16 00-0214	EA	3/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	16.30	8.86
		For Schedule 80 Nipples, Add	3.39	
		For ASTM 120, Deduct	-0.45	
		For Work In Restricted Working Space, Add	4.00	
22 11 16 00-0215	EA	1" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	18.37	9.61
		For Schedule 80 Nipples, Add	4.57	
		For ASTM 120, Deduct	-0.60	
		For Work In Restricted Working Space, Add	4.31	
22 11 16 00-0216	EA	1-1/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.48	10.36
		For Schedule 80 Nipples, Add	5.61	
		For ASTM 120, Deduct	-0.74	
		For Work In Restricted Working Space, Add	4.67	
22 11 16 00-0217	EA	1-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	21.78	10.36
		For Schedule 80 Nipples, Add	7.09	
		For ASTM 120, Deduct	-0.93	
		For Work In Restricted Working Space, Add	4.67	
22 11 16 00-0218	EA	2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	28.00	13.35
		For Schedule 80 Nipples, Add	9.03	
		For ASTM 120, Deduct	-1.19	
		For Work In Restricted Working Space, Add	6.02	
22 11 16 00-0219	EA	2-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	45.69	16.62
		For Schedule 80 Nipples, Add	23.71	
		For ASTM 120, Deduct	-3.12	
		For Work In Restricted Working Space, Add	7.47	
22 11 16 00-0220	EA	3" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	57.71	20.07
		For Schedule 80 Nipples, Add	31.46	
		For ASTM 120, Deduct	-4.14	
		For Work In Restricted Working Space, Add	9.03	
22 11 16 00-0221	EA	3/8" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	16.85	8.86
		For Schedule 80 Nipples, Add	4.01	
		For ASTM 120, Deduct	-0.53	
		For Work In Restricted Working Space, Add	4.00	



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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0222	EA	1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	15.72	8.86
		For Schedule 80 Nipples, Add	2.72	
		For ASTM 120, Deduct	-0.36	
		For Work In Restricted Working Space, Add	4.00	
22 11 16 00-0223	EA	3/4" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	16.85	8.86
		For Schedule 80 Nipples, Add	4.01	
		For ASTM 120, Deduct	-0.53	
		For Work In Restricted Working Space, Add	4.00	
22 11 16 00-0224	EA	1" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	18.37	9.61
		For Schedule 80 Nipples, Add	4.57	
		For ASTM 120, Deduct	-0.60	
		For Work In Restricted Working Space, Add	4.31	
22 11 16 00-0225	EA	1-1/4" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	20.48	10.36
		For Schedule 80 Nipples, Add	5.61	
		For ASTM 120, Deduct	-0.74	
		For Work In Restricted Working Space, Add	4.67	
22 11 16 00-0226	EA	1-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	21.78	10.36
		For Schedule 80 Nipples, Add	7.09	
		For ASTM 120, Deduct	-0.93	
		For Work In Restricted Working Space, Add	4.67	
22 11 16 00-0227	EA	2" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	28.07	13.35
		For Schedule 80 Nipples, Add	9.11	
		For ASTM 120, Deduct	-1.20	
		For Work In Restricted Working Space, Add	6.02	
22 11 16 00-0228	EA	2-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	45.69	16.62
		For Schedule 80 Nipples, Add	23.71	
		For ASTM 120, Deduct	-3.12	
		For Work In Restricted Working Space, Add	7.47	
22 11 16 00-0229	EA	3" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	57.71	20.07
		For Schedule 80 Nipples, Add	31.46	
		For ASTM 120, Deduct	-4.14	
		For Work In Restricted Working Space, Add	9.03	
22 11 16 00-0230	EA	4" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	73.15	24.08
		For Schedule 80 Nipples, Add	42.25	
		For ASTM 120, Deduct	-5.56	
		For Work In Restricted Working Space, Add	10.83	
22 11 16 00-0231	EA	3/8" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	18.18	8.86
		For Schedule 80 Nipples, Add	5.53	
		For ASTM 120, Deduct	-0.73	
		For Work In Restricted Working Space, Add	4.00	
22 11 16 00-0232	EA	1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	16.21	8.86
		For Schedule 80 Nipples, Add	3.28	
		For ASTM 120, Deduct	-0.43	
		For Work In Restricted Working Space, Add	4.00	
22 11 16 00-0233	EA	3/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	16.87	8.86
		For Schedule 80 Nipples, Add	4.04	
		For ASTM 120, Deduct	-0.53	
		For Work In Restricted Working Space, Add	4.00	
22 11 16 00-0234	EA	1" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	19.28	9.61
		For Schedule 80 Nipples, Add	5.61	
		For ASTM 120, Deduct	-0.74	
		For Work In Restricted Working Space, Add	4.31	
22 11 16 00-0235	EA	1-1/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	21.64	10.36
		For Schedule 80 Nipples, Add	6.93	
		For ASTM 120, Deduct	-0.91	
		For Work In Restricted Working Space, Add	4.67	
22 11 16 00-0236	EA	1-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	23.08	10.36
		For Schedule 80 Nipples, Add	8.57	
		For ASTM 120, Deduct	-1.13	
		For Work In Restricted Working Space, Add	4.67	
22 11 16 00-0237	EA	2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	30.19	13.35
		For Schedule 80 Nipples, Add	11.53	
		For ASTM 120, Deduct	-1.52	
		For Work In Restricted Working Space, Add	6.02	
22 11 16 00-0238	EA	2-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	48.08	16.62
		For Schedule 80 Nipples, Add	26.44	
		For ASTM 120, Deduct	-3.48	
		For Work In Restricted Working Space, Add	7.47	
22 11 16 00-0239	EA	3" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	62.28	20.07
		For Schedule 80 Nipples, Add	36.67	
		For ASTM 120, Deduct	-4.83	
		For Work In Restricted Working Space, Add	9.03	
22 11 16 00-0240	EA	4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	77.65	24.08
		For Schedule 80 Nipples, Add	47.38	
		For ASTM 120, Deduct	-6.23	
		For Work In Restricted Working Space, Add	10.83	
22 11 16 00-0241	EA	3/8" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	18.18	8.86
		For Schedule 80 Nipples, Add	5.53	
		For ASTM 120, Deduct	-0.73	
		For Work In Restricted Working Space, Add	4.00	
22 11 16 00-0242	EA	1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	16.21	8.86
		For Schedule 80 Nipples, Add	3.28	
		For ASTM 120, Deduct	-0.43	
		For Work In Restricted Working Space, Add	4.00	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0243	EA	3/4" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	16.87	8.86
		For Schedule 80 Nipples, Add	4.04	
		For ASTM 120, Deduct	-0.53	
		For Work In Restricted Working Space, Add	4.00	
22 11 16 00-0244	EA	1" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	19.28	9.61
		For Schedule 80 Nipples, Add	5.61	
		For ASTM 120, Deduct	-0.74	
		For Work In Restricted Working Space, Add	4.31	
22 11 16 00-0245	EA	1-1/4" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	21.64	10.36
		For Schedule 80 Nipples, Add	6.93	
		For ASTM 120, Deduct	-0.91	
		For Work In Restricted Working Space, Add	4.67	
22 11 16 00-0246	EA	1-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	23.08	10.36
		For Schedule 80 Nipples, Add	8.57	
		For ASTM 120, Deduct	-1.13	
		For Work In Restricted Working Space, Add	4.67	
22 11 16 00-0247	EA	2" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	30.19	13.35
		For Schedule 80 Nipples, Add	11.53	
		For ASTM 120, Deduct	-1.52	
		For Work In Restricted Working Space, Add	6.02	
22 11 16 00-0248	EA	2-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	48.08	16.62
		For Schedule 80 Nipples, Add	26.44	
		For ASTM 120, Deduct	-3.48	
		For Work In Restricted Working Space, Add	7.47	
22 11 16 00-0249	EA	3" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	62.28	20.07
		For Schedule 80 Nipples, Add	36.67	
		For ASTM 120, Deduct	-4.83	
		For Work In Restricted Working Space, Add	9.03	
22 11 16 00-0250	EA	4" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	77.65	24.08
		For Schedule 80 Nipples, Add	47.38	
		For ASTM 120, Deduct	-6.23	
		For Work In Restricted Working Space, Add	10.83	
22 11 16 00-0251	EA	3/8" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	18.72	8.86
		For Schedule 80 Nipples, Add	6.14	
		For ASTM 120, Deduct	-0.81	
		For Work In Restricted Working Space, Add	4.00	
22 11 16 00-0252	EA	1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	16.60	8.86
		For Schedule 80 Nipples, Add	3.73	
		For ASTM 120, Deduct	-0.49	
		For Work In Restricted Working Space, Add	4.00	
22 11 16 00-0253	EA	3/4" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	17.58	8.86
		For Schedule 80 Nipples, Add	4.85	
		For ASTM 120, Deduct	-0.64	
		For Work In Restricted Working Space, Add	4.00	
22 11 16 00-0254	EA	1" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	19.94	9.61
		For Schedule 80 Nipples, Add	6.36	
		For ASTM 120, Deduct	-0.84	
		For Work In Restricted Working Space, Add	4.31	
22 11 16 00-0255	EA	1-1/4" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	22.62	10.36
		For Schedule 80 Nipples, Add	8.05	
		For ASTM 120, Deduct	-1.06	
		For Work In Restricted Working Space, Add	4.67	
22 11 16 00-0256	EA	1-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	24.02	10.36
		For Schedule 80 Nipples, Add	9.64	
		For ASTM 120, Deduct	-1.27	
		For Work In Restricted Working Space, Add	4.67	
22 11 16 00-0257	EA	2" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	31.83	13.35
		For Schedule 80 Nipples, Add	13.40	
		For ASTM 120, Deduct	-1.76	
		For Work In Restricted Working Space, Add	6.02	
22 11 16 00-0258	EA	2-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	50.37	16.62
		For Schedule 80 Nipples, Add	29.05	
		For ASTM 120, Deduct	-3.82	
		For Work In Restricted Working Space, Add	7.47	
22 11 16 00-0259	EA	3" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	64.14	20.07
		For Schedule 80 Nipples, Add	38.79	
		For ASTM 120, Deduct	-5.10	
		For Work In Restricted Working Space, Add	9.03	
22 11 16 00-0260	EA	4" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	82.03	24.08
		For Schedule 80 Nipples, Add	52.37	
		For ASTM 120, Deduct	-6.89	
		For Work In Restricted Working Space, Add	10.83	
22 11 16 00-0261	EA	3/8" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	34.88	8.86
		For Schedule 80 Nipples, Add	24.57	
		For ASTM 120, Deduct	-3.23	
		For Work In Restricted Working Space, Add	4.00	
22 11 16 00-0262	EA	1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	19.09	8.86
		For Schedule 80 Nipples, Add	6.57	
		For ASTM 120, Deduct	-0.86	
		For Work In Restricted Working Space, Add	4.00	
22 11 16 00-0263	EA	3/4" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	20.69	8.86
		For Schedule 80 Nipples, Add	8.39	
		For ASTM 120, Deduct	-1.10	
		For Work In Restricted Working Space, Add	4.00	



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Plumbing Piping			22 10
Facility Water Distribution			22 11

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0264	EA	1" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	23.70	9.61	
		For Schedule 80 Nipples, Add	10.65		
		For ASTM 120, Deduct	-1.40		
		For Work In Restricted Working Space, Add	4.31		
22 11 16 00-0265	EA	1-1/4" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	27.00	10.36	
		For Schedule 80 Nipples, Add	13.04		
		For ASTM 120, Deduct	-1.72		
		For Work In Restricted Working Space, Add	4.67		
22 11 16 00-0266	EA	1-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	28.69	10.36	
		For Schedule 80 Nipples, Add	14.97		
		For ASTM 120, Deduct	-1.97		
		For Work In Restricted Working Space, Add	4.67		
22 11 16 00-0267	EA	2" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	39.22	13.35	
		For Schedule 80 Nipples, Add	21.62		
		For ASTM 120, Deduct	-2.87		
		For Work In Restricted Working Space, Add	6.02		
22 11 16 00-0268	EA	2-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	57.69	16.62	
		For Schedule 80 Nipples, Add	37.39		
		For ASTM 120, Deduct	-4.92		
		For Work In Restricted Working Space, Add	7.47		
22 11 16 00-0269	EA	3" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	75.95	20.07	
		For Schedule 80 Nipples, Add	52.26		
		For ASTM 120, Deduct	-6.88		
		For Work In Restricted Working Space, Add	9.03		
22 11 16 00-0270	EA	4" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	90.91	24.08	
		For Schedule 80 Nipples, Add	62.49		
		For ASTM 120, Deduct	-8.22		
		For Work In Restricted Working Space, Add	10.83		
22 11 16 00-0271	EA	3/8" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	23.61	8.86	
		For Schedule 80 Nipples, Add	11.72		
		For ASTM 120, Deduct	-1.54		
		For Work In Restricted Working Space, Add	4.00		
22 11 16 00-0272	EA	1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	20.17	8.86	
		For Schedule 80 Nipples, Add	7.80		
		For ASTM 120, Deduct	-1.03		
		For Work In Restricted Working Space, Add	4.00		
22 11 16 00-0273	EA	3/4" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	21.50	8.86	
		For Schedule 80 Nipples, Add	9.31		
		For ASTM 120, Deduct	-1.23		
		For Work In Restricted Working Space, Add	4.00		
22 11 16 00-0274	EA	1" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	25.03	9.61	
		For Schedule 80 Nipples, Add	12.16		
		For ASTM 120, Deduct	-1.60		
		For Work In Restricted Working Space, Add	4.31		
22 11 16 00-0275	EA	1-1/4" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	29.24	10.36	
		For Schedule 80 Nipples, Add	15.60		
		For ASTM 120, Deduct	-2.05		
		For Work In Restricted Working Space, Add	4.67		
22 11 16 00-0276	EA	1-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	30.86	10.36	
		For Schedule 80 Nipples, Add	17.44		
		For ASTM 120, Deduct	-2.30		
		For Work In Restricted Working Space, Add	4.67		
22 11 16 00-0277	EA	2" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	42.48	13.35	
		For Schedule 80 Nipples, Add	25.54		
		For ASTM 120, Deduct	-3.36		
		For Work In Restricted Working Space, Add	6.02		
22 11 16 00-0278	EA	2-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	62.27	16.62	
		For Schedule 80 Nipples, Add	42.61		
		For ASTM 120, Deduct	-5.61		
		For Work In Restricted Working Space, Add	7.47		
22 11 16 00-0279	EA	3" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	82.40	20.07	
		For Schedule 80 Nipples, Add	59.61		
		For ASTM 120, Deduct	-7.84		
		For Work In Restricted Working Space, Add	9.03		
22 11 16 00-0280	EA	4" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	99.63	24.08	
		For Schedule 80 Nipples, Add	72.44		
		For ASTM 120, Deduct	-9.53		
		For Work In Restricted Working Space, Add	10.83		
22 11 16 00-0281	EA	3/8" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	24.72	8.86	
		For Schedule 80 Nipples, Add	12.98		
		For ASTM 120, Deduct	-1.71		
		For Work In Restricted Working Space, Add	4.00		
22 11 16 00-0282	EA	1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	21.12	8.86	
		For Schedule 80 Nipples, Add	8.88		
		For ASTM 120, Deduct	-1.17		
		For Work In Restricted Working Space, Add	4.00		
22 11 16 00-0283	EA	3/4" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	22.50	8.86	
		For Schedule 80 Nipples, Add	10.45		
		For ASTM 120, Deduct	-1.38		
		For Work In Restricted Working Space, Add	4.00		
22 11 16 00-0284	EA	1" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	26.78	9.61	
		For Schedule 80 Nipples, Add	14.16		
		For ASTM 120, Deduct	-1.86		
		For Work In Restricted Working Space, Add	4.31		



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0285	EA	1-1/4" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	31.99	10.36
		For Schedule 80 Nipples, Add	18.73	
		For ASTM 120, Deduct	-2.46	
		For Work In Restricted Working Space, Add	4.67	
22 11 16 00-0286	EA	1-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	33.07	10.36
		For Schedule 80 Nipples, Add	19.96	
		For ASTM 120, Deduct	-2.63	
		For Work In Restricted Working Space, Add	4.67	
22 11 16 00-0287	EA	2" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	45.78	13.35
		For Schedule 80 Nipples, Add	29.30	
		For ASTM 120, Deduct	-3.86	
		For Work In Restricted Working Space, Add	6.02	
22 11 16 00-0288	EA	2-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	66.72	16.62
		For Schedule 80 Nipples, Add	47.69	
		For ASTM 120, Deduct	-6.27	
		For Work In Restricted Working Space, Add	7.47	
22 11 16 00-0289	EA	3" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	88.91	20.07
		For Schedule 80 Nipples, Add	67.03	
		For ASTM 120, Deduct	-8.82	
		For Work In Restricted Working Space, Add	9.03	
22 11 16 00-0290	EA	4" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	108.42	24.08
		For Schedule 80 Nipples, Add	82.46	
		For ASTM 120, Deduct	-10.85	
		For Work In Restricted Working Space, Add	10.83	
22 11 16 00-0291		Galvanized Malleable Iron Square Head Plugs (22 11 16 00-0013)		
22 11 16 00-0292	EA	1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	15.46	6.63
		For 300 LB Rating, Add	19.30	
		For Work In Restricted Working Space, Add	2.99	
22 11 16 00-0293	EA	3/4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	16.64	7.46
		For 300 LB Rating, Add	19.37	
		For Work In Restricted Working Space, Add	3.34	
22 11 16 00-0294	EA	1", 150 LB, Galvanized Malleable Iron Square Head Plug.....	18.48	8.31
		For 300 LB Rating, Add	21.28	
		For Work In Restricted Working Space, Add	3.73	
22 11 16 00-0295	EA	1-1/4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	23.37	9.43
		For 300 LB Rating, Add	32.40	
		For Work In Restricted Working Space, Add	4.23	
22 11 16 00-0296	EA	1-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	28.38	10.55
		For 300 LB Rating, Add	43.45	
		For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0297	EA	2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	36.08	13.44
		For 300 LB Rating, Add	55.27	
		For Work In Restricted Working Space, Add	6.05	
22 11 16 00-0298	EA	2-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	60.88	19.89
		For 300 LB Rating, Add	107.23	
		For Work In Restricted Working Space, Add	8.96	
22 11 16 00-0299	EA	3", 150 LB, Galvanized Malleable Iron Square Head Plug.....	83.31	26.23
		For 300 LB Rating, Add	151.96	
		For Work In Restricted Working Space, Add	11.79	
22 11 16 00-0300	EA	4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	133.44	28.06
		For 300 LB Rating, Add	313.08	
		For Work In Restricted Working Space, Add	12.63	
22 11 16 00-0301	EA	5", 150 LB, Galvanized Malleable Iron Square Head Plug.....	211.52	29.32
		For 300 LB Rating, Add	572.41	
		For Work In Restricted Working Space, Add	13.18	
22 11 16 00-0302	EA	6", 150 LB, Galvanized Malleable Iron Square Head Plug.....	227.10	30.58
		For 300 LB Rating, Add	618.73	
		For Work In Restricted Working Space, Add	13.78	
22 11 16 00-0303		Galvanized Malleable Iron Bushing (22 11 16 00-0013)		
22 11 16 00-0304	EA	3/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing.....	38.55	17.55
		For Work In Restricted Working Space, Add	7.91	
22 11 16 00-0305	EA	1" x 1/2", 150 LB, Galvanized Malleable Iron Bushing.....	42.57	18.67
		For Work In Restricted Working Space, Add	8.40	
22 11 16 00-0306	EA	1" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	43.29	19.69
		For Work In Restricted Working Space, Add	8.85	
22 11 16 00-0307	EA	1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing.....	50.45	20.07
		For Work In Restricted Working Space, Add	9.02	
22 11 16 00-0308	EA	1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	50.09	21.01
		For Work In Restricted Working Space, Add	9.46	
22 11 16 00-0309	EA	1-1/4" x 1", 150 LB, Galvanized Malleable Iron Bushing.....	51.72	22.12
		For Work In Restricted Working Space, Add	9.95	
22 11 16 00-0310	EA	1-1/2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing.....	59.25	21.56
		For Work In Restricted Working Space, Add	9.69	
22 11 16 00-0311	EA	1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	60.74	22.50
		For Work In Restricted Working Space, Add	10.14	
22 11 16 00-0312	EA	1-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing.....	59.72	23.62
		For Work In Restricted Working Space, Add	10.63	
22 11 16 00-0313	EA	1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing.....	59.89	25.02
		For Work In Restricted Working Space, Add	11.24	
22 11 16 00-0314	EA	2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing.....	71.34	25.11
		For Work In Restricted Working Space, Add	11.30	



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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0315	EA	2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	70.48	26.14
		For Work In Restricted Working Space, Add	11.75	
22 11 16 00-0316	EA	2" x 1", 150 LB, Galvanized Malleable Iron Bushing	70.39	27.16
		For Work In Restricted Working Space, Add	12.23	
22 11 16 00-0317	EA	2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing	72.45	28.56
		For Work In Restricted Working Space, Add	12.85	
22 11 16 00-0318	EA	2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing	71.06	30.05
		For Work In Restricted Working Space, Add	13.53	
22 11 16 00-0319	EA	2-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	99.98	34.17
		For Work In Restricted Working Space, Add	15.38	
22 11 16 00-0320	EA	2-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing	101.60	35.29
		For Work In Restricted Working Space, Add	15.87	
22 11 16 00-0321	EA	2-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing	103.66	36.59
		For Work In Restricted Working Space, Add	16.49	
22 11 16 00-0322	EA	2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing	105.01	38.18
		For Work In Restricted Working Space, Add	17.16	
22 11 16 00-0323	EA	2-1/2" x 2", 150 LB, Galvanized Malleable Iron Bushing	104.92	41.72
		For Work In Restricted Working Space, Add	18.77	
22 11 16 00-0324	EA	3" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	127.36	42.00
		For Work In Restricted Working Space, Add	18.92	
22 11 16 00-0325	EA	3" x 1", 150 LB, Galvanized Malleable Iron Bushing	128.98	43.12
		For Work In Restricted Working Space, Add	19.40	
22 11 16 00-0326	EA	3" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing	131.04	44.52
		For Work In Restricted Working Space, Add	20.02	
22 11 16 00-0327	EA	3" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing	132.03	46.01
		For Work In Restricted Working Space, Add	20.70	
22 11 16 00-0328	EA	3" x 2", 150 LB, Galvanized Malleable Iron Bushing	131.50	49.56
		For Work In Restricted Working Space, Add	22.31	
22 11 16 00-0329	EA	3" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing	146.93	57.68
		For Work In Restricted Working Space, Add	25.94	
22 11 16 00-0330	EA	4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	200.86	44.03
		For Work In Restricted Working Space, Add	19.83	
22 11 16 00-0331	EA	4" x 1", 150 LB, Galvanized Malleable Iron Bushing	202.42	45.11
		For Work In Restricted Working Space, Add	20.30	
22 11 16 00-0332	EA	4" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing	204.41	46.46
		For Work In Restricted Working Space, Add	20.90	
22 11 16 00-0333	EA	4" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing	206.58	47.91
		For Work In Restricted Working Space, Add	21.55	
22 11 16 00-0334	EA	4" x 2", 150 LB, Galvanized Malleable Iron Bushing	195.90	51.33
		For Work In Restricted Working Space, Add	23.10	
22 11 16 00-0335	EA	4" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing	223.47	59.18
		For Work In Restricted Working Space, Add	26.61	
22 11 16 00-0336	EA	4" x 3", 150 LB, Galvanized Malleable Iron Bushing	225.96	66.76
		For Work In Restricted Working Space, Add	30.03	
22 11 16 00-0337		Galvanized Malleable Iron Floor Flange (22 11 16 00-0013)		
		Note: Excludes fasteners to floor or wall. See CSI section 05 05 19 00-0001 for anchors.		
22 11 16 00-0338	EA	1/2", 150 LB, Galvanized Malleable Iron Floor Flange	56.99	34.11
22 11 16 00-0339	EA	3/4", 150 LB, Galvanized Malleable Iron Floor Flange	62.31	37.33
22 11 16 00-0340	EA	1", 150 LB, Galvanized Malleable Iron Floor Flange	71.48	42.19
22 11 16 00-0341	EA	1-1/4", 150 LB, Galvanized Malleable Iron Floor Flange	74.26	43.69
22 11 16 00-0342	EA	1-1/2", 150 LB, Galvanized Malleable Iron Floor Flange	80.82	47.51
22 11 16 00-0343	EA	2", 150 LB, Galvanized Malleable Iron Floor Flange	86.83	49.56
22 11 16 00-0344		Galvanized Cast Iron Flanges (22 11 16 00-0013)		
		Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
22 11 16 00-0345	EA	3/4", 125 LB, Galvanized Cast Iron Flange	105.19	37.33
		For Work In Restricted Working Space, Add	16.80	
22 11 16 00-0346	EA	1", 125 LB, Galvanized Cast Iron Flange	101.36	42.19
		For Work In Restricted Working Space, Add	18.98	
22 11 16 00-0347	EA	1-1/4", 125 LB, Galvanized Cast Iron Flange	85.62	43.69
		For Work In Restricted Working Space, Add	19.65	
22 11 16 00-0348	EA	1-1/2", 125 LB, Galvanized Cast Iron Flange	116.00	47.51
		For Work In Restricted Working Space, Add	21.38	
22 11 16 00-0349	EA	2", 125 LB, Galvanized Cast Iron Flange	113.70	49.56
		For Work In Restricted Working Space, Add	22.31	
22 11 16 00-0350	EA	2-1/2", 125 LB, Galvanized Cast Iron Flange	132.03	57.40
		For Work In Restricted Working Space, Add	25.80	
22 11 16 00-0351	EA	3", 125 LB, Galvanized Cast Iron Flange	233.43	72.81
		For Work In Restricted Working Space, Add	32.74	
22 11 16 00-0352	EA	4", 125 LB, Galvanized Cast Iron Flange	313.59	96.26
		For Work In Restricted Working Space, Add	43.29	
22 11 16 00-0353	EA	5", 125 LB, Galvanized Cast Iron Flange	437.55	114.58
		For Work In Restricted Working Space, Add	51.54	
22 11 16 00-0354	EA	6", 125 LB, Galvanized Cast Iron Flange	481.41	131.63
		For Work In Restricted Working Space, Add	59.21	
22 11 16 00-0355	EA	8", 125 LB, Galvanized Cast Iron Flange	447.63	150.43
		For Work In Restricted Working Space, Add	67.66	
22 11 16 00-0356		Cut And Thread Existing In-Place Galvanized Steel Pipe (22 11 16 00-0013)		
		Note: For use when connecting pipe to an existing in-place system.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0357	EA	1/2", Cut And Thread Existing In Place Galvanized Steel Pipe <i>For Work In Restricted Working Space, Add</i>	30.41 9.12	
22 11 16 00-0358	EA	3/4", Cut And Thread Existing In Place Galvanized Steel Pipe <i>For Work In Restricted Working Space, Add</i>	33.44 10.03	
22 11 16 00-0359	EA	1", Cut And Thread Existing In Place Galvanized Steel Pipe <i>For Work In Restricted Working Space, Add</i>	36.49 10.95	
22 11 16 00-0360	EA	1-1/4", Cut And Thread Existing In Place Galvanized Steel Pipe <i>For Work In Restricted Working Space, Add</i>	39.53 11.86	
22 11 16 00-0361	EA	1-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe <i>For Work In Restricted Working Space, Add</i>	41.55 12.47	
22 11 16 00-0362	EA	2", Cut And Thread Existing In Place Galvanized Steel Pipe <i>For Work In Restricted Working Space, Add</i>	43.58 13.07	
22 11 16 00-0363	EA	2-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe <i>For Work In Restricted Working Space, Add</i>	45.61 13.68	
22 11 16 00-0364	EA	3", Cut And Thread Existing In Place Galvanized Steel Pipe <i>For Work In Restricted Working Space, Add</i>	47.63 14.29	
22 11 16 00-0365	EA	4", Cut And Thread Existing In Place Galvanized Steel Pipe <i>For Work In Restricted Working Space, Add</i>	49.66 14.90	
22 11 16 00-0366	EA	6", Cut And Thread Existing In Place Galvanized Steel Pipe <i>For Work In Restricted Working Space, Add</i>	53.71 16.11	
22 11 16 00-0367	EA	8", Cut And Thread Existing In Place Galvanized Steel Pipe <i>For Work In Restricted Working Space, Add</i>	57.76 17.33	
22 11 16 00-0368		Copper Pipe And Fittings <small>(22 11 16)</small> Note: Excludes hangers. See CSI section 22 11 16 00-0899 for pipe with fittings assembly.		
22 11 16 00-0369		Copper Tube/Pipe <small>(22 11 16 00-0368)</small> Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).		
22 11 16 00-0370		Hard Drawn Type L Copper Tube/Pipe <small>(22 11 16 00-0369)</small>		
22 11 16 00-0371	LF	1/4" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For <20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	4.56 0.09 0.11 -0.23 1.03	2.28
22 11 16 00-0372	LF	3/8" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For <20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	5.23 0.13 0.17 -0.33 1.07	2.37
22 11 16 00-0373	LF	1/2" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For <20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	5.70 0.16 0.20 -0.40 1.11	2.47
22 11 16 00-0374	LF	3/4" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For <20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	7.17 0.26 0.32 -0.65 1.18	2.62
22 11 16 00-0375	LF	1" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For <20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	9.09 0.37 0.47 -0.93 1.33	2.95
22 11 16 00-0376	LF	1-1/4" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For <20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	13.01 0.52 0.64 -1.29 1.97	4.38
22 11 16 00-0377	LF	1-1/2" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For <20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.63 0.66 0.83 -1.66 2.20	4.90
22 11 16 00-0378	LF	2" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For <20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.16 1.05 1.31 -2.62 2.72	6.04
22 11 16 00-0379	LF	2-1/2" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For <20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	40.28 1.52 1.89 -3.79 6.40	7.10
22 11 16 00-0380	LF	3" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For <20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	50.35 2.02 2.53 -5.05 7.53	8.37
22 11 16 00-0381	LF	4" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For <20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	73.34 3.60 4.50 -9.00 8.50	9.45



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0382	LF		5" Hard Drawn Type L Copper Tube/Pipe.....	112.04	10.85
			For Medical/Oxygen Service Tubing, Add	6.36	
			For <20, Add	7.95	
			For >150, Deduct	-15.90	
			For Work In Restricted Working Space, Add	9.76	
22 11 16 00-0383	LF		6" Hard Drawn Type L Copper Tube/Pipe.....	155.01	16.81
			For Medical/Oxygen Service Tubing, Add	8.37	
			For <20, Add	10.46	
			For >150, Deduct	-20.92	
			For Work In Restricted Working Space, Add	15.12	
22 11 16 00-0384	LF		8" Hard Drawn Type L Copper Tube/Pipe.....	253.18	18.69
			For Medical/Oxygen Service Tubing, Add	15.77	
			For <20, Add	19.72	
			For >150, Deduct	-39.43	
			For Work In Restricted Working Space, Add	16.81	
22 11 16 00-0385 Hard Drawn Type K Copper Tube/Pipe (22 11 16 00-0369)					
22 11 16 00-0386	LF		1/4" Hard Drawn Type K Copper Tube/Pipe	4.95	2.45
			For Medical/Oxygen Service Tubing, Add	0.10	
			For <20, Add	0.13	
			For >150, Deduct	-0.26	
			For Work In Restricted Working Space, Add	1.10	
22 11 16 00-0387	LF		3/8" Hard Drawn Type K Copper Tube/Pipe	6.50	2.55
			For Medical/Oxygen Service Tubing, Add	0.18	
			For <20, Add	0.23	
			For >150, Deduct	-0.46	
			For Work In Restricted Working Space, Add	1.26	
22 11 16 00-0388	LF		1/2" Hard Drawn Type K Copper Tube/Pipe	6.79	2.65
			For Medical/Oxygen Service Tubing, Add	0.22	
			For <20, Add	0.27	
			For >150, Deduct	-0.54	
			For Work In Restricted Working Space, Add	1.23	
22 11 16 00-0389	LF		3/4" Hard Drawn Type K Copper Tube/Pipe	9.61	2.82
			For Medical/Oxygen Service Tubing, Add	0.39	
			For <20, Add	0.49	
			For >150, Deduct	-0.97	
			For Work In Restricted Working Space, Add	1.42	
22 11 16 00-0390	LF		1" Hard Drawn Type K Copper Tube/Pipe	11.52	3.17
			For Medical/Oxygen Service Tubing, Add	0.52	
			For <20, Add	0.65	
			For >150, Deduct	-1.29	
			For Work In Restricted Working Space, Add	1.52	
22 11 16 00-0391	LF		1-1/4" Hard Drawn Type K Copper Tube/Pipe	15.22	4.72
			For Medical/Oxygen Service Tubing, Add	0.64	
			For <20, Add	0.81	
			For >150, Deduct	-1.61	
			For Work In Restricted Working Space, Add	2.15	
22 11 16 00-0392	LF		1-1/2" Hard Drawn Type K Copper Tube/Pipe	18.37	5.26
			For Medical/Oxygen Service Tubing, Add	0.83	
			For <20, Add	1.03	
			For >150, Deduct	-2.07	
			For Work In Restricted Working Space, Add	2.41	
22 11 16 00-0393	LF		2" Hard Drawn Type K Copper Tube/Pipe	25.72	6.50
			For Medical/Oxygen Service Tubing, Add	1.27	
			For <20, Add	1.59	
			For >150, Deduct	-3.17	
			For Work In Restricted Working Space, Add	2.96	
22 11 16 00-0394	LF		2-1/2" Hard Drawn Type K Copper Tube/Pipe	45.08	7.63
			For Medical/Oxygen Service Tubing, Add	1.89	
			For <20, Add	2.37	
			For >150, Deduct	-4.73	
			For Work In Restricted Working Space, Add	6.43	
22 11 16 00-0395	LF		3" Hard Drawn Type K Copper Tube/Pipe	59.95	9.00
			For Medical/Oxygen Service Tubing, Add	2.59	
			For <20, Add	3.23	
			For >150, Deduct	-6.47	
			For Work In Restricted Working Space, Add	8.29	
22 11 16 00-0396	LF		4" Hard Drawn Type K Copper Tube/Pipe	88.91	10.15
			For Medical/Oxygen Service Tubing, Add	4.61	
			For <20, Add	5.76	
			For >150, Deduct	-11.52	
			For Work In Restricted Working Space, Add	9.39	
22 11 16 00-0397	LF		5" Hard Drawn Type K Copper Tube/Pipe	142.53	11.66
			For Medical/Oxygen Service Tubing, Add	8.45	
			For <20, Add	10.56	
			For >150, Deduct	-21.12	
			For Work In Restricted Working Space, Add	11.08	
22 11 16 00-0398	LF		6" Hard Drawn Type K Copper Tube/Pipe	211.05	18.07
			For Medical/Oxygen Service Tubing, Add	12.12	
			For <20, Add	15.15	
			For >150, Deduct	-30.30	
			For Work In Restricted Working Space, Add	17.87	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0399	LF	8" Hard Drawn Type K Copper Tube/Pipe For Medical/Oxygen Service Tubing, Add For <20, Add For >150, Deduct For Work In Restricted Working Space, Add	349.30 22.70 28.37 -56.74 19.68	20.09
22 11 16 00-0400		Hard Drawn Type M Copper Tube/Pipe (22 11 16 00-0369)		
22 11 16 00-0401	LF	3/8" Hard Drawn Type M Copper Tube/Pipe For <20, Add For >150, Deduct For Work In Restricted Working Space, Add	4.38 0.13 -0.26 0.92	2.14
22 11 16 00-0402	LF	1/2" Hard Drawn Type M Copper Tube/Pipe For <20, Add For >150, Deduct For Work In Restricted Working Space, Add	4.64 0.15 -0.29 0.95	2.23
22 11 16 00-0403	LF	3/4" Hard Drawn Type M Copper Tube/Pipe For <20, Add For >150, Deduct For Work In Restricted Working Space, Add	5.76 0.24 -0.47 1.02	2.36
22 11 16 00-0404	LF	1" Hard Drawn Type M Copper Tube/Pipe For <20, Add For >150, Deduct For Work In Restricted Working Space, Add	7.43 0.37 -0.73 1.13	2.65
22 11 16 00-0405	LF	1-1/4" Hard Drawn Type M Copper Tube/Pipe For <20, Add For >150, Deduct For Work In Restricted Working Space, Add	11.14 0.53 -1.06 1.75	3.95
22 11 16 00-0406	LF	1-1/2" Hard Drawn Type M Copper Tube/Pipe For <20, Add For >150, Deduct For Work In Restricted Working Space, Add	14.02 0.73 -1.47 2.01	4.40
22 11 16 00-0407	LF	2" Hard Drawn Type M Copper Tube/Pipe For <20, Add For >150, Deduct For Work In Restricted Working Space, Add	19.83 1.15 -2.31 2.49	5.43
22 11 16 00-0408	LF	2-1/2" Hard Drawn Type M Copper Tube/Pipe For <20, Add For >150, Deduct For Work In Restricted Working Space, Add	36.89 1.67 -3.35 6.05	6.39
22 11 16 00-0409	LF	3" Hard Drawn Type M Copper Tube/Pipe For <20, Add For >150, Deduct For Work In Restricted Working Space, Add	44.89 2.23 -4.45 6.79	7.53
22 11 16 00-0410	LF	4" Hard Drawn Type M Copper Tube/Pipe For <20, Add For >150, Deduct For Work In Restricted Working Space, Add	68.10 4.17 -8.34 7.93	8.50
22 11 16 00-0411	LF	5" Hard Drawn Type M Copper Tube/Pipe For <20, Add For >150, Deduct For Work In Restricted Working Space, Add	111.41 8.09 -16.18 9.15	9.76
22 11 16 00-0412	LF	6" Hard Drawn Type M Copper Tube/Pipe For <20, Add For >150, Deduct For Work In Restricted Working Space, Add	155.33 10.81 -21.62 14.18	15.13
22 11 16 00-0413	LF	8" Hard Drawn Type M Copper Tube/Pipe For <20, Add For >150, Deduct For Work In Restricted Working Space, Add	256.79 20.48 -40.97 15.59	16.82
22 11 16 00-0414		Soft Drawn Type L Copper Tube (22 11 16 00-0369)		
22 11 16 00-0415	LF	1/4" Soft Drawn Type L Copper Tube For <20, Add For >150, Deduct For Work In Restricted Working Space, Add	4.89 0.15 -0.29 1.03	2.28
22 11 16 00-0416	LF	3/8" Soft Drawn Type L Copper Tube For <20, Add For >150, Deduct For Work In Restricted Working Space, Add	5.84 0.23 -0.46 1.07	2.37
22 11 16 00-0417	LF	1/2" Soft Drawn Type L Copper Tube For <20, Add For >150, Deduct For Work In Restricted Working Space, Add	6.77 0.31 -0.61 1.11	2.47
22 11 16 00-0418	LF	5/8" Soft Drawn Type L Copper Tube For <20, Add For >150, Deduct For Work In Restricted Working Space, Add	7.75 0.39 -0.79 1.15	2.55
22 11 16 00-0419	LF	3/4" Soft Drawn Type L Copper Tube For <20, Add For >150, Deduct For Work In Restricted Working Space, Add	8.63 0.47 -0.94 1.18	2.62



		Plumbing	22
		Plumbing Piping	22 10
		Facility Water Distribution	22 11

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MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
22 11 16 00-0420	LF 1" Soft Drawn Type L Copper Tube	10.92		2.95	
	For <20, Add	0.65			
	For >150, Deduct	-1.30			
	For Work In Restricted Working Space, Add	1.33			
22 11 16 00-0421	LF 1-1/4" Soft Drawn Type L Copper Tube	15.12		4.38	
	For <20, Add	0.86			
	For >150, Deduct	-1.71			
	For Work In Restricted Working Space, Add	1.97			
22 11 16 00-0422	LF 1-1/2" Soft Drawn Type L Copper Tube	18.93		4.90	
	For <20, Add	1.16			
	For >150, Deduct	-2.32			
	For Work In Restricted Working Space, Add	2.20			
22 11 16 00-0423	LF 2" Soft Drawn Type L Copper Tube	27.48		6.04	
	For <20, Add	1.84			
	For >150, Deduct	-3.69			
	For Work In Restricted Working Space, Add	2.72			
22 11 16 00-0424	Soft Drawn Type K Copper Tube (22 11 16 00-0369)				
22 11 16 00-0425	LF 1/4" Soft Drawn Type K Copper Tube	5.04		2.28	
	For <20, Add	0.16			
	For >150, Deduct	-0.32			
	For Work In Restricted Working Space, Add	1.03			
22 11 16 00-0426	LF 3/8" Soft Drawn Type K Copper Tube	6.32		2.37	
	For <20, Add	0.28			
	For >150, Deduct	-0.55			
	For Work In Restricted Working Space, Add	1.07			
22 11 16 00-0427	LF 1/2" Soft Drawn Type K Copper Tube	7.17		2.47	
	For <20, Add	0.35			
	For >150, Deduct	-0.69			
	For Work In Restricted Working Space, Add	1.11			
22 11 16 00-0428	LF 5/8" Soft Drawn Type K Copper Tube	7.94		2.55	
	For <20, Add	0.41			
	For >150, Deduct	-0.82			
	For Work In Restricted Working Space, Add	1.15			
22 11 16 00-0429	LF 3/4" Soft Drawn Type K Copper Tube	10.34		2.62	
	For <20, Add	0.64			
	For >150, Deduct	-1.28			
	For Work In Restricted Working Space, Add	1.18			
22 11 16 00-0430	LF 1" Soft Drawn Type K Copper Tube	12.91		2.95	
	For <20, Add	0.85			
	For >150, Deduct	-1.70			
	For Work In Restricted Working Space, Add	1.33			
22 11 16 00-0431	LF 1-1/4" Soft Drawn Type K Copper Tube	16.58		4.38	
	For <20, Add	1.00			
	For >150, Deduct	-2.00			
	For Work In Restricted Working Space, Add	1.97			
22 11 16 00-0432	LF 1-1/2" Soft Drawn Type K Copper Tube	21.26		4.90	
	For <20, Add	1.39			
	For >150, Deduct	-2.78			
	For Work In Restricted Working Space, Add	2.20			
22 11 16 00-0433	LF 2" Soft Drawn Type K Copper Tube	30.68		6.04	
	For <20, Add	2.16			
	For >150, Deduct	-4.33			
	For Work In Restricted Working Space, Add	2.72			
22 11 16 00-0434	LF 2-1/2" Soft Drawn Type K Copper Tube	43.30		7.25	
	For <20, Add	3.24			
	For >150, Deduct	-6.49			
	For Work In Restricted Working Space, Add	3.26			
22 11 16 00-0435	LF 3" Soft Drawn Type K Copper Tube	57.95		8.55	
	For <20, Add	4.51			
	For >150, Deduct	-9.03			
	For Work In Restricted Working Space, Add	3.85			
22 11 16 00-0436	Copper And Brass Fittings (22 11 16 00-0368)				
	Note: All fittings are based on 95/5 solder.				
22 11 16 00-0437	90 Degree Copper Elbows (22 11 16 00-0436)				
22 11 16 00-0438	EA 1/4" 90 Degree Copper Elbow	24.36		13.52	
	For Silver Solder Instead Of 95/5 Solder, Add	3.25			
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.23			
	For Brazed Fittings Instead Of 95/5 Solder, Add	3.04			
	For Street Fitting, Add	1.64			
	For Work In Restricted Working Space, Add	6.08			
22 11 16 00-0439	EA 3/8" 90 Degree Copper Elbow	28.64		16.22	
	For Silver Solder Instead Of 95/5 Solder, Add	3.86			
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.65			
	For Brazed Fittings Instead Of 95/5 Solder, Add	3.65			
	For Street Fitting, Add	1.73			
	For Work In Restricted Working Space, Add	7.30			

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0440	EA	1/2" 90 Degree Copper Elbow.....	34.84	22.29
		For Silver Solder Instead Of 95/5 Solder, Add	5.09	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.41	
		For Brazed Fittings Instead Of 95/5 Solder, Add	5.02	
		For Street Fitting, Add	0.56	
		For Work In Restricted Working Space, Add	10.03	
22 11 16 00-0441	EA	3/4" 90 Degree Copper Elbow.....	44.70	27.77
		For Silver Solder Instead Of 95/5 Solder, Add	6.39	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.31	
		For Brazed Fittings Instead Of 95/5 Solder, Add	6.23	
		For Street Fitting, Add	1.26	
		For Work In Restricted Working Space, Add	12.47	
22 11 16 00-0442	EA	1" 90 Degree Copper Elbow.....	57.37	33.14
		For Silver Solder Instead Of 95/5 Solder, Add	7.83	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.36	
		For Brazed Fittings Instead Of 95/5 Solder, Add	7.45	
		For Street Fitting, Add	3.08	
		For Work In Restricted Working Space, Add	14.90	
22 11 16 00-0443	EA	1-1/4" 90 Degree Copper Elbow	65.24	35.88
		For Silver Solder Instead Of 95/5 Solder, Add	8.63	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.95	
		For Brazed Fittings Instead Of 95/5 Solder, Add	8.06	
		For Street Fitting, Add	4.61	
		For Work In Restricted Working Space, Add	16.11	
22 11 16 00-0444	EA	1-1/2" 90 Degree Copper Elbow	76.81	39.22
		For Silver Solder Instead Of 95/5 Solder, Add	9.72	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.78	
		For Brazed Fittings Instead Of 95/5 Solder, Add	8.82	
		For Street Fitting, Add	7.21	
		For Work In Restricted Working Space, Add	17.63	
22 11 16 00-0445	EA	2" 90 Degree Copper Elbow.....	98.73	43.98
		For Silver Solder Instead Of 95/5 Solder, Add	11.52	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.23	
		For Brazed Fittings Instead Of 95/5 Solder, Add	9.88	
		For Street Fitting, Add	13.14	
		For Work In Restricted Working Space, Add	19.76	
22 11 16 00-0446	EA	2-1/2" 90 Degree Copper Elbow	131.64	44.80
		For Silver Solder Instead Of 95/5 Solder, Add	13.30	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.94	
		For Brazed Fittings Instead Of 95/5 Solder, Add	10.08	
		For Work In Restricted Working Space, Add	20.16	
22 11 16 00-0447	EA	3" 90 Degree Copper Elbow.....	171.15	53.58
		For Silver Solder Instead Of 95/5 Solder, Add	16.58	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.57	
		For Brazed Fittings Instead Of 95/5 Solder, Add	12.04	
		For Work In Restricted Working Space, Add	24.08	
22 11 16 00-0448	EA	4" 90 Degree Copper Elbow.....	334.38	75.98
		For Silver Solder Instead Of 95/5 Solder, Add	28.11	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-22.41	
		For Brazed Fittings Instead Of 95/5 Solder, Add	17.08	
		For Work In Restricted Working Space, Add	34.16	
22 11 16 00-0449	EA	5" 90 Degree Copper Elbow.....	1,079.66	103.98
		For Silver Solder Instead Of 95/5 Solder, Add	69.57	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-61.78	
		For Brazed Fittings Instead Of 95/5 Solder, Add	23.38	
		For Work In Restricted Working Space, Add	46.76	
22 11 16 00-0450	EA	6" 90 Degree Copper Elbow.....	1,458.30	151.31
		For Silver Solder Instead Of 95/5 Solder, Add	95.60	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-84.26	
		For Brazed Fittings Instead Of 95/5 Solder, Add	34.02	
		For Work In Restricted Working Space, Add	68.05	
22 11 16 00-0451	EA	8" 90 Degree Copper Elbow.....	4,858.28	201.71
		For Silver Solder Instead Of 95/5 Solder, Add	273.16	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-258.04	
		For Brazed Fittings Instead Of 95/5 Solder, Add	45.36	
		For Work In Restricted Working Space, Add	90.73	
22 11 16 00-0452		90 Degree Brass Elbows (22 11 16 00-0436)		
22 11 16 00-0453	EA	1/2" Drop Ear 90 Degree Brass Elbow.....	42.24	22.29
		For Silver Solder Instead Of 95/5 Solder, Add	5.46	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.78	
		For Brazed Fittings Instead Of 95/5 Solder, Add	5.02	
		For Work In Restricted Working Space, Add	10.03	
22 11 16 00-0454	EA	3/4" Drop Ear 90 Degree Brass Elbow.....	67.21	27.77
		For Silver Solder Instead Of 95/5 Solder, Add	7.52	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.44	
		For Brazed Fittings Instead Of 95/5 Solder, Add	6.23	
		For Work In Restricted Working Space, Add	12.47	
22 11 16 00-0455	EA	1/2" Flanged Sink 90 Degree Brass Elbow	49.48	22.29
		For Silver Solder Instead Of 95/5 Solder, Add	5.82	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.15	
		For Brazed Fittings Instead Of 95/5 Solder, Add	5.02	
		For Work In Restricted Working Space, Add	10.03	



Plumbing			22
Plumbing Piping			22 10
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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0456	EA	3/8" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	37.48	16.22
		For Silver Solder Instead Of 95/5 Solder, Add	4.31	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.09	
		For Brazed Fittings Instead Of 95/5 Solder, Add	3.65	
		For Work In Restricted Working Space, Add	7.30	
22 11 16 00-0457	EA	1/2" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	42.86	22.29
		For Silver Solder Instead Of 95/5 Solder, Add	5.49	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.82	
		For Brazed Fittings Instead Of 95/5 Solder, Add	5.02	
		For Work In Restricted Working Space, Add	10.03	
22 11 16 00-0458	EA	3/4" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	58.14	27.77
		For Silver Solder Instead Of 95/5 Solder, Add	7.06	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.98	
		For Brazed Fittings Instead Of 95/5 Solder, Add	6.23	
		For Work In Restricted Working Space, Add	12.47	
22 11 16 00-0459	EA	1" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	102.62	33.14
		For Silver Solder Instead Of 95/5 Solder, Add	10.10	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.61	
		For Brazed Fittings Instead Of 95/5 Solder, Add	7.45	
		For Work In Restricted Working Space, Add	14.90	
22 11 16 00-0460 Reducing 90 Degree Copper Elbows (22 11 16 00-0436)				
22 11 16 00-0461	EA	1/2" Reducing 90 Degree Copper Elbow	44.81	22.29
		For Silver Solder Instead Of 95/5 Solder, Add	5.58	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.91	
		For Brazed Fittings Instead Of 95/5 Solder, Add	5.02	
		For Work In Restricted Working Space, Add	10.03	
22 11 16 00-0462	EA	3/4" Reducing 90 Degree Copper Elbow	49.61	27.77
		For Silver Solder Instead Of 95/5 Solder, Add	6.64	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.56	
		For Brazed Fittings Instead Of 95/5 Solder, Add	6.23	
		For Work In Restricted Working Space, Add	12.47	
22 11 16 00-0463	EA	1" Reducing 90 Degree Copper Elbow	64.46	33.14
		For Silver Solder Instead Of 95/5 Solder, Add	8.19	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.71	
		For Brazed Fittings Instead Of 95/5 Solder, Add	7.45	
		For Work In Restricted Working Space, Add	14.90	
22 11 16 00-0464	EA	1-1/4" Reducing 90 Degree Copper Elbow	91.40	35.88
		For Silver Solder Instead Of 95/5 Solder, Add	9.94	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.26	
		For Brazed Fittings Instead Of 95/5 Solder, Add	8.06	
		For Work In Restricted Working Space, Add	16.11	
22 11 16 00-0465	EA	1-1/2" Reducing 90 Degree Copper Elbow	108.31	39.22
		For Silver Solder Instead Of 95/5 Solder, Add	11.29	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.35	
		For Brazed Fittings Instead Of 95/5 Solder, Add	8.82	
		For Work In Restricted Working Space, Add	17.63	
22 11 16 00-0466	EA	2" Reducing 90 Degree Copper Elbow	132.53	43.98
		For Silver Solder Instead Of 95/5 Solder, Add	13.21	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.92	
		For Brazed Fittings Instead Of 95/5 Solder, Add	9.88	
		For Work In Restricted Working Space, Add	19.76	
22 11 16 00-0467 45 Degree Copper Elbows (22 11 16 00-0436)				
22 11 16 00-0468	EA	1/4" 45 Degree Copper Elbow.....	27.90	13.52
		For Silver Solder Instead Of 95/5 Solder, Add	3.42	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.41	
		For Brazed Fittings Instead Of 95/5 Solder, Add	3.04	
		For Street Fitting, Add	3.05	
		For Work In Restricted Working Space, Add	6.08	
22 11 16 00-0469	EA	3/8" 45 Degree Copper Elbow.....	30.86	16.22
		For Silver Solder Instead Of 95/5 Solder, Add	3.98	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.76	
		For Brazed Fittings Instead Of 95/5 Solder, Add	3.65	
		For Street Fitting, Add	2.62	
		For Work In Restricted Working Space, Add	7.30	
22 11 16 00-0470	EA	1/2" 45 Degree Copper Elbow.....	36.01	22.29
		For Silver Solder Instead Of 95/5 Solder, Add	5.14	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.47	
		For Brazed Fittings Instead Of 95/5 Solder, Add	5.02	
		For Street Fitting, Add	1.03	
		For Work In Restricted Working Space, Add	10.03	
22 11 16 00-0471	EA	3/4" 45 Degree Copper Elbow.....	45.95	27.77
		For Silver Solder Instead Of 95/5 Solder, Add	6.45	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.38	
		For Brazed Fittings Instead Of 95/5 Solder, Add	6.23	
		For Street Fitting, Add	1.76	
		For Work In Restricted Working Space, Add	12.47	
22 11 16 00-0472	EA	1" 45 Degree Copper Elbow.....	60.64	33.14
		For Silver Solder Instead Of 95/5 Solder, Add	8.00	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.52	
		For Brazed Fittings Instead Of 95/5 Solder, Add	7.45	
		For Street Fitting, Add	4.39	
		For Work In Restricted Working Space, Add	14.90	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0473	EA	1-1/4" 45 Degree Copper Elbow	68.58	35.88
		For Silver Solder Instead Of 95/5 Solder, Add	8.80	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.11	
		For Brazed Fittings Instead Of 95/5 Solder, Add	8.06	
		For Street Fitting, Add	5.95	
		For Work In Restricted Working Space, Add	16.11	
22 11 16 00-0474	EA	1-1/2" 45 Degree Copper Elbow	77.04	39.22
		For Silver Solder Instead Of 95/5 Solder, Add	9.73	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.79	
		For Brazed Fittings Instead Of 95/5 Solder, Add	8.82	
		For Street Fitting, Add	7.30	
		For Work In Restricted Working Space, Add	17.63	
22 11 16 00-0475	EA	2" 45 Degree Copper Elbow	96.32	43.98
		For Silver Solder Instead Of 95/5 Solder, Add	11.40	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.11	
		For Brazed Fittings Instead Of 95/5 Solder, Add	9.88	
		For Work In Restricted Working Space, Add	19.76	
22 11 16 00-0476	EA	2-1/2" 45 Degree Copper Elbow	130.87	44.80
		For Silver Solder Instead Of 95/5 Solder, Add	13.26	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.90	
		For Brazed Fittings Instead Of 95/5 Solder, Add	10.08	
		For Work In Restricted Working Space, Add	20.16	
22 11 16 00-0477	EA	3" 45 Degree Copper Elbow	174.74	53.58
		For Silver Solder Instead Of 95/5 Solder, Add	16.76	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.75	
		For Brazed Fittings Instead Of 95/5 Solder, Add	12.04	
		For Work In Restricted Working Space, Add	24.08	
22 11 16 00-0478	EA	4" 45 Degree Copper Elbow	315.30	75.98
		For Silver Solder Instead Of 95/5 Solder, Add	27.15	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-21.46	
		For Brazed Fittings Instead Of 95/5 Solder, Add	17.08	
		For Work In Restricted Working Space, Add	34.16	
22 11 16 00-0479	EA	5" 45 Degree Copper Elbow	935.97	103.98
		For Silver Solder Instead Of 95/5 Solder, Add	62.39	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-54.59	
		For Brazed Fittings Instead Of 95/5 Solder, Add	23.38	
		For Work In Restricted Working Space, Add	46.76	
22 11 16 00-0480	EA	6" 45 Degree Copper Elbow	1,456.20	151.31
		For Silver Solder Instead Of 95/5 Solder, Add	95.49	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-84.15	
		For Brazed Fittings Instead Of 95/5 Solder, Add	34.02	
		For Work In Restricted Working Space, Add	68.05	
22 11 16 00-0481	EA	8" 45 Degree Copper Elbow	4,479.80	201.71
		For Silver Solder Instead Of 95/5 Solder, Add	254.23	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-239.11	
		For Brazed Fittings Instead Of 95/5 Solder, Add	45.36	
		For Work In Restricted Working Space, Add	90.73	
22 11 16 00-0482		Straight Copper And Brass Tees (22 11 16 00-0436)		
22 11 16 00-0483	EA	1/4" Straight Copper Tee	38.98	20.27
		For Silver Solder Instead Of 95/5 Solder, Add	4.99	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.47	
		For Brazed Fittings Instead Of 95/5 Solder, Add	4.56	
		For Work In Restricted Working Space, Add	9.12	
22 11 16 00-0484	EA	3/8" Straight Copper Tee	43.38	24.32
		For Silver Solder Instead Of 95/5 Solder, Add	5.82	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.99	
		For Brazed Fittings Instead Of 95/5 Solder, Add	5.47	
		For Work In Restricted Working Space, Add	10.95	
22 11 16 00-0485	EA	1/2" Straight Copper Tee	53.09	33.85
		For Silver Solder Instead Of 95/5 Solder, Add	7.72	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.19	
		For Brazed Fittings Instead Of 95/5 Solder, Add	7.60	
		For Work In Restricted Working Space, Add	15.20	
22 11 16 00-0486	EA	3/4" Straight Copper Tee	68.59	41.96
		For Silver Solder Instead Of 95/5 Solder, Add	9.71	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.57	
		For Brazed Fittings Instead Of 95/5 Solder, Add	9.42	
		For Work In Restricted Working Space, Add	18.85	
22 11 16 00-0487	EA	1" Straight Copper Tee	92.33	50.06
		For Silver Solder Instead Of 95/5 Solder, Add	12.12	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.37	
		For Brazed Fittings Instead Of 95/5 Solder, Add	11.25	
		For Work In Restricted Working Space, Add	22.50	
22 11 16 00-0488	EA	1-1/4" Straight Copper Tee	105.21	54.12
		For Silver Solder Instead Of 95/5 Solder, Add	13.37	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.31	
		For Brazed Fittings Instead Of 95/5 Solder, Add	12.16	
		For Work In Restricted Working Space, Add	24.32	
22 11 16 00-0489	EA	1-1/2" Straight Copper Tee	124.69	58.78
		For Silver Solder Instead Of 95/5 Solder, Add	15.05	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.64	
		For Brazed Fittings Instead Of 95/5 Solder, Add	13.23	
		For Work In Restricted Working Space, Add	26.45	



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0490	EA		2" Straight Copper Tee For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	157.38 17.80 -12.84 14.90 29.80	66.28
22 11 16 00-0491	EA		2-1/2" Straight Copper Tee For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	215.67 20.86 -15.82 15.12 30.24	67.20
22 11 16 00-0492	EA		3" Straight Copper Tee For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	296.84 26.98 -20.91 18.20 36.40	80.93
22 11 16 00-0493	EA		4" Straight Copper Tee For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	594.63 46.72 -38.23 25.48 50.96	113.32
22 11 16 00-0494	EA		5" Straight Copper Tee For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	1,620.90 104.29 -92.67 34.86 69.72	155.04
22 11 16 00-0495	EA		6" Straight Copper Tee For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	2,238.73 146.01 -128.97 51.10 102.21	227.28
22 11 16 00-0496	EA		8" Straight Copper Tee For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	7,775.25 434.13 -411.44 68.04 136.09	302.61
22 11 16 00-0497	EA		1/2" Cast Bronze Drop Ear Tee For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	65.52 8.34 -5.81 7.60 15.20	33.85
22 11 16 00-0498			Reducing Copper Tees (22 11 16 00-0436)		
22 11 16 00-0499	EA		3/8" Reducing Copper Tee For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	46.06 5.55 -3.92 4.86 9.73	21.59
22 11 16 00-0500	EA		1/2" Reducing Copper Tee For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	57.60 7.44 -5.16 6.84 13.68	30.41
22 11 16 00-0501	EA		3/4" Reducing Copper Tee For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	64.89 9.12 -6.18 8.82 17.63	39.22
22 11 16 00-0502	EA		1" Reducing Copper Tee For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	90.37 11.61 -8.07 10.64 21.28	47.33
22 11 16 00-0503	EA		1-1/4" Reducing Copper Tee For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	106.50 13.03 -9.18 11.55 23.11	51.38
22 11 16 00-0504	EA		1-1/2" Reducing Copper Tee For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	125.78 14.70 -10.50 12.62 25.24	56.15
22 11 16 00-0505	EA		2" Reducing Copper Tee For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	154.50 17.15 -12.44 14.14 28.28	62.83
22 11 16 00-0506	EA		2-1/2" Reducing Copper Tee For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	222.91 20.85 -16.00 14.56 29.12	64.78

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0507 EA 3" Reducing Copper Tee..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	318.66 27.13 -21.53 16.80 33.60	74.67
22 11 16 00-0508 EA 4" Reducing Copper Tee..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	573.18 42.47 -35.57 20.72 41.45	92.13
22 11 16 00-0509 Copper Couplings (22 11 16 00-0436)		
22 11 16 00-0510 EA 1/4" Copper Coupling..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	21.09 3.08 -2.07 3.04 6.08	13.52
22 11 16 00-0511 EA 3/8" Copper Coupling..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	25.41 3.70 -2.49 3.65 7.30	16.22
22 11 16 00-0512 EA 1/2" Copper Coupling..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	34.34 5.06 -3.39 5.02 10.03	22.29
22 11 16 00-0513 EA 3/4" Copper Coupling..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	43.38 6.32 -4.25 6.23 12.47	27.77
22 11 16 00-0514 EA 1" Copper Coupling..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	53.28 7.63 -5.15 7.45 14.90	33.14
22 11 16 00-0515 EA 1-1/4" Copper Coupling..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	60.10 8.38 -5.69 8.06 16.11	35.88
22 11 16 00-0516 EA 1-1/2" Copper Coupling..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	67.23 9.24 -6.30 8.82 17.63	39.22
22 11 16 00-0517 EA 2" Copper Coupling..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	79.93 10.58 -7.29 9.88 19.76	43.58
22 11 16 00-0518 EA 2-1/2" Copper Coupling..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	92.36 10.97 -7.79 9.52 19.04	42.37
22 11 16 00-0519 EA 3" Copper Coupling..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	115.87 13.45 -9.62 11.48 22.96	51.34
22 11 16 00-0520 EA 4" Copper Coupling..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	189.31 19.73 -14.60 15.40 30.80	69.07
22 11 16 00-0521 EA 5" Copper Coupling..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	320.57 30.03 -23.03 21.00 42.00	126.00
22 11 16 00-0522 EA 6" Copper Coupling..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	503.74 45.72 -35.45 30.80 61.61	136.92
22 11 16 00-0523 EA 8" Copper Coupling..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	1,239.79 89.24 -75.62 40.88 81.77	181.55
22 11 16 00-0524 Reducing Copper Couplings (22 11 16 00-0436)		



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
22 11 16 00-0525	EA	3/8" Reducing Copper Coupling.....	22.06	13.48
		For Silver Solder Instead Of 95/5 Solder, Add	3.13	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.12	
		For Brazed Fittings Instead Of 95/5 Solder, Add	3.04	
		For Work In Restricted Working Space, Add	6.08	
22 11 16 00-0526	EA	1/2" Reducing Copper Coupling.....	30.76	19.26
		For Silver Solder Instead Of 95/5 Solder, Add	4.43	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.98	
		For Brazed Fittings Instead Of 95/5 Solder, Add	4.33	
		For Work In Restricted Working Space, Add	8.67	
22 11 16 00-0527	EA	3/4" Reducing Copper Coupling.....	40.73	25.04
		For Silver Solder Instead Of 95/5 Solder, Add	5.79	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.91	
		For Brazed Fittings Instead Of 95/5 Solder, Add	5.63	
		For Work In Restricted Working Space, Add	11.25	
22 11 16 00-0528	EA	1" Reducing Copper Coupling.....	51.45	30.41
		For Silver Solder Instead Of 95/5 Solder, Add	7.13	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.85	
		For Brazed Fittings Instead Of 95/5 Solder, Add	6.84	
		For Work In Restricted Working Space, Add	13.68	
22 11 16 00-0529	EA	1-1/4" Reducing Copper Coupling.....	59.82	34.46
		For Silver Solder Instead Of 95/5 Solder, Add	8.16	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.58	
		For Brazed Fittings Instead Of 95/5 Solder, Add	7.75	
		For Work In Restricted Working Space, Add	15.50	
22 11 16 00-0530	EA	1-1/2" Reducing Copper Coupling.....	69.72	37.50
		For Silver Solder Instead Of 95/5 Solder, Add	9.11	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.30	
		For Brazed Fittings Instead Of 95/5 Solder, Add	8.44	
		For Work In Restricted Working Space, Add	16.88	
22 11 16 00-0531	EA	2" Reducing Copper Coupling.....	83.16	41.55
		For Silver Solder Instead Of 95/5 Solder, Add	10.39	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.27	
		For Brazed Fittings Instead Of 95/5 Solder, Add	9.35	
		For Work In Restricted Working Space, Add	18.70	
22 11 16 00-0532	EA	2-1/2" Reducing Copper Coupling.....	106.80	42.66
		For Silver Solder Instead Of 95/5 Solder, Add	11.73	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.54	
		For Brazed Fittings Instead Of 95/5 Solder, Add	9.59	
		For Work In Restricted Working Space, Add	19.18	
22 11 16 00-0533	EA	3" Reducing Copper Coupling.....	126.74	49.47
		For Silver Solder Instead Of 95/5 Solder, Add	13.71	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.02	
		For Brazed Fittings Instead Of 95/5 Solder, Add	11.06	
		For Work In Restricted Working Space, Add	22.12	
22 11 16 00-0534	EA	4" Reducing Copper Coupling.....	202.28	64.78
		For Silver Solder Instead Of 95/5 Solder, Add	19.82	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.97	
		For Brazed Fittings Instead Of 95/5 Solder, Add	14.56	
		For Work In Restricted Working Space, Add	29.12	
22 11 16 00-0535	EA	5" Reducing Copper Coupling.....	546.77	90.25
		For Silver Solder Instead Of 95/5 Solder, Add	40.87	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-34.11	
		For Brazed Fittings Instead Of 95/5 Solder, Add	20.30	
		For Work In Restricted Working Space, Add	40.60	
22 11 16 00-0536	EA	6" Reducing Copper Coupling.....	819.13	121.34
		For Silver Solder Instead Of 95/5 Solder, Add	59.16	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-50.06	
		For Brazed Fittings Instead Of 95/5 Solder, Add	27.30	
		For Work In Restricted Working Space, Add	54.60	
22 11 16 00-0537	EA	8" Reducing Copper Coupling.....	1,615.73	176.81
		For Silver Solder Instead Of 95/5 Solder, Add	107.30	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-94.04	
		For Brazed Fittings Instead Of 95/5 Solder, Add	39.76	
		For Work In Restricted Working Space, Add	79.53	
22 11 16 00-0538		Male Copper Adapters (22 11 16 00-0436)		
22 11 16 00-0539	EA	1/4" Male Copper Adapter.....	34.72	13.17
		For Silver Solder Instead Of 95/5 Solder, Add	3.76	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.75	
		For Brazed Fittings Instead Of 95/5 Solder, Add	3.04	
		For Work In Restricted Working Space, Add	6.08	
22 11 16 00-0540	EA	3/8" Male Copper Adapter.....	31.52	16.22
		For Silver Solder Instead Of 95/5 Solder, Add	4.01	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.79	
		For Brazed Fittings Instead Of 95/5 Solder, Add	3.65	
		For Work In Restricted Working Space, Add	7.30	
22 11 16 00-0541	EA	1/2" Male Copper Adapter.....	33.33	20.27
		For Silver Solder Instead Of 95/5 Solder, Add	4.71	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.19	
		For Brazed Fittings Instead Of 95/5 Solder, Add	4.56	
		For Work In Restricted Working Space, Add	9.12	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0542	EA	3/4" Male Copper Adapter.....	42.45	25.34
		For Silver Solder Instead Of 95/5 Solder, Add	5.87	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.00	
		For Brazed Fittings Instead Of 95/5 Solder, Add	5.63	
		For Work In Restricted Working Space, Add	11.25	
22 11 16 00-0543	EA	1" Male Copper Adapter.....	56.16	29.39
		For Silver Solder Instead Of 95/5 Solder, Add	7.17	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.99	
		For Brazed Fittings Instead Of 95/5 Solder, Add	6.54	
		For Work In Restricted Working Space, Add	13.07	
22 11 16 00-0544	EA	1-1/4" Male Copper Adapter.....	68.98	33.44
		For Silver Solder Instead Of 95/5 Solder, Add	8.52	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.98	
		For Brazed Fittings Instead Of 95/5 Solder, Add	7.60	
		For Work In Restricted Working Space, Add	15.20	
22 11 16 00-0545	EA	1-1/2" Male Copper Adapter.....	79.19	38.51
		For Silver Solder Instead Of 95/5 Solder, Add	9.74	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.85	
		For Brazed Fittings Instead Of 95/5 Solder, Add	8.67	
		For Work In Restricted Working Space, Add	17.33	
22 11 16 00-0546	EA	2" Male Copper Adapter.....	110.24	49.15
		For Silver Solder Instead Of 95/5 Solder, Add	12.91	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.21	
		For Brazed Fittings Instead Of 95/5 Solder, Add	11.10	
		For Work In Restricted Working Space, Add	22.20	
22 11 16 00-0547	EA	2-1/2" Male Copper Adapter.....	210.56	63.85
		For Silver Solder Instead Of 95/5 Solder, Add	20.05	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-15.29	
		For Brazed Fittings Instead Of 95/5 Solder, Add	14.29	
		For Work In Restricted Working Space, Add	28.58	
22 11 16 00-0548	EA	3" Male Copper Adapter.....	279.58	85.17
		For Silver Solder Instead Of 95/5 Solder, Add	26.67	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-20.33	
		For Brazed Fittings Instead Of 95/5 Solder, Add	19.04	
		For Work In Restricted Working Space, Add	38.08	
22 11 16 00-0549	EA	4" Male Copper Adapter.....	423.32	119.48
		For Silver Solder Instead Of 95/5 Solder, Add	39.09	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-30.13	
		For Brazed Fittings Instead Of 95/5 Solder, Add	26.88	
		For Work In Restricted Working Space, Add	53.76	
22 11 16 00-0550		Female Copper Adapters (22 11 16 00-0438)		
22 11 16 00-0551	EA	1/4" Female Copper Adapter.....	29.50	13.17
		For Silver Solder Instead Of 95/5 Solder, Add	3.50	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.49	
		For Brazed Fittings Instead Of 95/5 Solder, Add	3.04	
		For Work In Restricted Working Space, Add	6.08	
22 11 16 00-0552	EA	3/8" Female Copper Adapter.....	33.98	16.22
		For Silver Solder Instead Of 95/5 Solder, Add	4.13	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.92	
		For Brazed Fittings Instead Of 95/5 Solder, Add	3.65	
		For Work In Restricted Working Space, Add	7.30	
22 11 16 00-0553	EA	1/2" Female Copper Adapter.....	35.08	20.27
		For Silver Solder Instead Of 95/5 Solder, Add	4.80	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.27	
		For Brazed Fittings Instead Of 95/5 Solder, Add	4.56	
		For Work In Restricted Working Space, Add	9.12	
22 11 16 00-0554	EA	3/4" Female Copper Adapter.....	43.89	25.34
		For Silver Solder Instead Of 95/5 Solder, Add	5.94	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.07	
		For Brazed Fittings Instead Of 95/5 Solder, Add	5.63	
		For Work In Restricted Working Space, Add	11.25	
22 11 16 00-0555	EA	1" Female Copper Adapter.....	58.18	29.39
		For Silver Solder Instead Of 95/5 Solder, Add	7.27	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.09	
		For Brazed Fittings Instead Of 95/5 Solder, Add	6.54	
		For Work In Restricted Working Space, Add	13.07	
22 11 16 00-0556	EA	1-1/4" Female Copper Adapter.....	72.10	33.44
		For Silver Solder Instead Of 95/5 Solder, Add	8.67	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.14	
		For Brazed Fittings Instead Of 95/5 Solder, Add	7.60	
		For Work In Restricted Working Space, Add	15.20	
22 11 16 00-0557	EA	1-1/2" Female Copper Adapter.....	91.30	38.51
		For Silver Solder Instead Of 95/5 Solder, Add	10.34	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.45	
		For Brazed Fittings Instead Of 95/5 Solder, Add	8.67	
		For Work In Restricted Working Space, Add	17.33	
22 11 16 00-0558	EA	2" Female Copper Adapter.....	119.47	49.15
		For Silver Solder Instead Of 95/5 Solder, Add	13.37	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.67	
		For Brazed Fittings Instead Of 95/5 Solder, Add	11.10	
		For Work In Restricted Working Space, Add	22.20	



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0559 EA 2-1/2" Female Copper Adapter For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	250.43 21.30 -16.91 13.16 26.32	58.80
22 11 16 00-0560 EA 3" Female Copper Adapter For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	400.99 32.74 -26.40 19.04 38.08	85.17
22 11 16 00-0561 Wrot Copper, Solder Union (22 11 16 00-0436)		
22 11 16 00-0562 EA 1/4" Wrot Copper, Solder Union For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	47.57 4.81 -3.59 3.65 7.30	16.22
22 11 16 00-0563 EA 3/8" Wrot Copper, Solder Union For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	53.35 5.61 -4.14 4.41 8.82	19.56
22 11 16 00-0564 EA 1/2" Wrot Copper, Solder Union For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	51.30 6.21 -4.39 5.47 10.95	24.32
22 11 16 00-0565 EA 3/4" Wrot Copper, Solder Union For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	59.76 7.14 -5.07 6.23 12.47	27.77
22 11 16 00-0566 EA 1" Wrot Copper, Solder Union For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	80.96 9.01 -6.53 7.45 14.90	33.14
22 11 16 00-0567 EA 1-1/4" Wrot Copper, Solder Union For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	100.05 10.48 -7.74 8.21 16.42	36.49
22 11 16 00-0568 EA 1-1/2" Wrot Copper, Solder Union For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	124.71 12.32 -9.28 9.12 18.24	40.54
22 11 16 00-0569 EA 2" Wrot Copper, Solder Union For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	181.90 16.39 -12.74 10.95 21.89	48.65
22 11 16 00-0570 EA 2-1/2" Wrot Copper, Solder Union For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	377.33 26.89 -22.88 12.04 24.08	53.58
22 11 16 00-0571 EA 3" Wrot Copper, Solder Union For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	882.58 55.52 -49.82 17.08 34.16	75.98
22 11 16 00-0572 Cast Bronze, Solder Union (22 11 16 00-0436)		
22 11 16 00-0573 EA 1/4" Cast Bronze, Solder Union For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	56.15 5.24 -4.02 3.65 7.30	16.22
22 11 16 00-0574 EA 3/8" Cast Bronze, Solder Union For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	61.44 6.01 -4.54 4.41 8.82	19.56
22 11 16 00-0575 EA 1/2" Cast Bronze, Solder Union For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	53.55 6.33 -4.50 5.47 10.95	24.32
22 11 16 00-0576 EA 3/4" Cast Bronze, Solder Union For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	62.95 7.30 -5.23 6.23 12.47	27.77

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0577	EA	1" Cast Bronze, Solder Union	86.49	33.14
		For Silver Solder Instead Of 95/5 Solder, Add	9.29	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.81	
		For Brazed Fittings Instead Of 95/5 Solder, Add	7.45	
		For Work In Restricted Working Space, Add	14.90	
22 11 16 00-0578	EA	1-1/4" Cast Bronze, Solder Union	115.16	36.49
		For Silver Solder Instead Of 95/5 Solder, Add	11.23	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.49	
		For Brazed Fittings Instead Of 95/5 Solder, Add	8.21	
		For Work In Restricted Working Space, Add	16.42	
22 11 16 00-0579	EA	1-1/2" Cast Bronze, Solder Union	140.47	40.54
		For Silver Solder Instead Of 95/5 Solder, Add	13.10	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.06	
		For Brazed Fittings Instead Of 95/5 Solder, Add	9.12	
		For Work In Restricted Working Space, Add	18.24	
22 11 16 00-0580	EA	2" Cast Bronze, Solder Union	208.74	48.65
		For Silver Solder Instead Of 95/5 Solder, Add	17.73	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.09	
		For Brazed Fittings Instead Of 95/5 Solder, Add	10.95	
		For Work In Restricted Working Space, Add	21.89	
22 11 16 00-0581	EA	2-1/2" Cast Bronze, Solder Union	377.31	53.58
		For Silver Solder Instead Of 95/5 Solder, Add	26.89	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-22.88	
		For Brazed Fittings Instead Of 95/5 Solder, Add	12.04	
		For Work In Restricted Working Space, Add	24.08	
22 11 16 00-0582	EA	3" Cast Bronze, Solder Union	882.58	75.98
		For Silver Solder Instead Of 95/5 Solder, Add	55.52	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-49.82	
		For Brazed Fittings Instead Of 95/5 Solder, Add	17.08	
		For Work In Restricted Working Space, Add	34.16	
22 11 16 00-0583		Cast Bronze, Solder X Female Threaded Union (22 11 16 00-0436)		
22 11 16 00-0584	EA	1/4" Cast Bronze, Solder X Female Threaded Union	67.73	16.22
		For Silver Solder Instead Of 95/5 Solder, Add	5.82	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.60	
		For Brazed Fittings Instead Of 95/5 Solder, Add	3.65	
		For Work In Restricted Working Space, Add	7.30	
22 11 16 00-0585	EA	3/8" Cast Bronze, Solder X Female Threaded Union	74.31	19.56
		For Silver Solder Instead Of 95/5 Solder, Add	6.65	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.19	
		For Brazed Fittings Instead Of 95/5 Solder, Add	4.41	
		For Work In Restricted Working Space, Add	8.82	
22 11 16 00-0586	EA	1/2" Cast Bronze, Solder X Female Threaded Union	72.17	24.32
		For Silver Solder Instead Of 95/5 Solder, Add	7.26	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.43	
		For Brazed Fittings Instead Of 95/5 Solder, Add	5.47	
		For Work In Restricted Working Space, Add	10.95	
22 11 16 00-0587	EA	3/4" Cast Bronze, Solder X Female Threaded Union	90.18	27.77
		For Silver Solder Instead Of 95/5 Solder, Add	8.66	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.59	
		For Brazed Fittings Instead Of 95/5 Solder, Add	6.23	
		For Work In Restricted Working Space, Add	12.47	
22 11 16 00-0588	EA	1" Cast Bronze, Solder X Female Threaded Union	150.81	33.14
		For Silver Solder Instead Of 95/5 Solder, Add	12.51	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.02	
		For Brazed Fittings Instead Of 95/5 Solder, Add	7.45	
		For Work In Restricted Working Space, Add	14.90	
22 11 16 00-0589	EA	1-1/4" Cast Bronze, Solder X Female Threaded Union	243.24	36.49
		For Silver Solder Instead Of 95/5 Solder, Add	17.64	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.90	
		For Brazed Fittings Instead Of 95/5 Solder, Add	8.21	
		For Work In Restricted Working Space, Add	16.42	
22 11 16 00-0590	EA	1-1/2" Cast Bronze, Solder X Female Threaded Union	299.63	40.54
		For Silver Solder Instead Of 95/5 Solder, Add	21.06	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-18.02	
		For Brazed Fittings Instead Of 95/5 Solder, Add	9.12	
		For Work In Restricted Working Space, Add	18.24	
22 11 16 00-0591	EA	2" Cast Bronze, Solder X Female Threaded Union	477.22	48.65
		For Silver Solder Instead Of 95/5 Solder, Add	31.16	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-27.51	
		For Brazed Fittings Instead Of 95/5 Solder, Add	10.95	
		For Work In Restricted Working Space, Add	21.89	
22 11 16 00-0592	EA	2-1/2" Cast Bronze, Solder X Female Threaded Union	846.59	53.58
		For Silver Solder Instead Of 95/5 Solder, Add	50.36	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-46.34	
		For Brazed Fittings Instead Of 95/5 Solder, Add	12.04	
		For Work In Restricted Working Space, Add	24.08	
22 11 16 00-0593		Cast Bronze, Solder X Male Threaded Union (22 11 16 00-0436)		
22 11 16 00-0594	EA	1/4" Cast Bronze, Solder X Male Threaded Union	57.39	16.22
		For Silver Solder Instead Of 95/5 Solder, Add	5.30	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.09	
		For Brazed Fittings Instead Of 95/5 Solder, Add	3.65	
		For Work In Restricted Working Space, Add	7.30	



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
22 11 16 00-0595	EA	3/8" Cast Bronze, Solder X Male Threaded Union.....	67.98	19.56
		For Silver Solder Instead Of 95/5 Solder, Add	6.34	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.87	
		For Brazed Fittings Instead Of 95/5 Solder, Add	4.41	
		For Work In Restricted Working Space, Add	8.82	
22 11 16 00-0596	EA	1/2" Cast Bronze, Solder X Male Threaded Union.....	64.65	24.32
		For Silver Solder Instead Of 95/5 Solder, Add	6.88	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.06	
		For Brazed Fittings Instead Of 95/5 Solder, Add	5.47	
		For Work In Restricted Working Space, Add	10.95	
22 11 16 00-0597	EA	3/4" Cast Bronze, Solder X Male Threaded Union.....	83.81	27.77
		For Silver Solder Instead Of 95/5 Solder, Add	8.35	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.27	
		For Brazed Fittings Instead Of 95/5 Solder, Add	6.23	
		For Work In Restricted Working Space, Add	12.47	
22 11 16 00-0598	EA	1" Cast Bronze, Solder X Male Threaded Union.....	153.73	33.14
		For Silver Solder Instead Of 95/5 Solder, Add	12.65	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.17	
		For Brazed Fittings Instead Of 95/5 Solder, Add	7.45	
		For Work In Restricted Working Space, Add	14.90	
22 11 16 00-0599	EA	1-1/4" Cast Bronze, Solder X Male Threaded Union.....	183.82	36.49
		For Silver Solder Instead Of 95/5 Solder, Add	14.66	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.93	
		For Brazed Fittings Instead Of 95/5 Solder, Add	8.21	
		For Work In Restricted Working Space, Add	16.42	
22 11 16 00-0600	EA	1-1/2" Cast Bronze, Solder X Male Threaded Union.....	196.40	40.54
		For Silver Solder Instead Of 95/5 Solder, Add	15.90	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.86	
		For Brazed Fittings Instead Of 95/5 Solder, Add	9.12	
		For Work In Restricted Working Space, Add	18.24	
22 11 16 00-0601	EA	2" Cast Bronze, Solder X Male Threaded Union.....	281.24	48.65
		For Silver Solder Instead Of 95/5 Solder, Add	21.36	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-17.71	
		For Brazed Fittings Instead Of 95/5 Solder, Add	10.95	
		For Work In Restricted Working Space, Add	21.89	
22 11 16 00-0602	EA	2-1/2" Cast Bronze, Solder X Male Threaded Union.....	690.62	53.58
		For Silver Solder Instead Of 95/5 Solder, Add	42.56	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-38.54	
		For Brazed Fittings Instead Of 95/5 Solder, Add	12.04	
		For Work In Restricted Working Space, Add	24.08	
22 11 16 00-0603		Copper Caps (22 11 16 00-0436)		
22 11 16 00-0604	EA	1/4" Copper Cap	5.05	2.56
		For Silver Solder Instead Of 95/5 Solder, Add	0.63	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.44	
		For Brazed Fittings Instead Of 95/5 Solder, Add	0.57	
		For Work In Restricted Working Space, Add	1.14	
22 11 16 00-0605	EA	3/8" Copper Cap	6.04	2.70
		For Silver Solder Instead Of 95/5 Solder, Add	0.71	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.50	
		For Brazed Fittings Instead Of 95/5 Solder, Add	0.61	
		For Work In Restricted Working Space, Add	1.22	
22 11 16 00-0606	EA	1/2" Copper Cap	5.31	2.90
		For Silver Solder Instead Of 95/5 Solder, Add	0.70	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.48	
		For Brazed Fittings Instead Of 95/5 Solder, Add	0.65	
		For Work In Restricted Working Space, Add	1.29	
22 11 16 00-0607	EA	3/4" Copper Cap	7.30	3.64
		For Silver Solder Instead Of 95/5 Solder, Add	0.90	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.63	
		For Brazed Fittings Instead Of 95/5 Solder, Add	0.81	
		For Work In Restricted Working Space, Add	1.62	
22 11 16 00-0608	EA	1" Copper Cap	11.32	4.62
		For Silver Solder Instead Of 95/5 Solder, Add	1.25	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.91	
		For Brazed Fittings Instead Of 95/5 Solder, Add	1.03	
		For Work In Restricted Working Space, Add	2.05	
22 11 16 00-0609	EA	1-1/4" Copper Cap	15.37	6.33
		For Silver Solder Instead Of 95/5 Solder, Add	1.71	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.24	
		For Brazed Fittings Instead Of 95/5 Solder, Add	1.41	
		For Work In Restricted Working Space, Add	2.81	
22 11 16 00-0610	EA	1-1/2" Copper Cap	19.75	7.44
		For Silver Solder Instead Of 95/5 Solder, Add	2.09	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.54	
		For Brazed Fittings Instead Of 95/5 Solder, Add	1.65	
		For Work In Restricted Working Space, Add	3.31	
22 11 16 00-0611	EA	2" Copper Cap	40.67	16.57
		For Silver Solder Instead Of 95/5 Solder, Add	4.49	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.26	
		For Brazed Fittings Instead Of 95/5 Solder, Add	3.68	
		For Work In Restricted Working Space, Add	7.37	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0612	EA	2-1/2" Copper Cap For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	85.61 8.01 -6.15 5.60 11.20	25.20
22 11 16 00-0613	EA	3" Copper Cap For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	118.16 10.81 -8.36 7.35 14.70	33.08
22 11 16 00-0614	EA	4" Copper Cap For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	188.86 15.28 -12.36 8.75 17.50	39.38
22 11 16 00-0615	EA	5" Cast Bronze Cap For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	998.50 58.03 -53.98 12.15 24.31	54.04
22 11 16 00-0616	EA	6" Cast Bronze Cap For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	1,931.65 106.95 -101.77 15.56 31.11	70.01
22 11 16 00-0617	EA	8" Cast Bronze Cap For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	2,469.29 138.40 -130.93 22.40 44.80	100.80
22 11 16 00-0618 Copper Crosses (22 11 16 00-0436)				
22 11 16 00-0619	EA	1/2" Copper Cross For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	77.67 10.04 -6.96 9.24 18.48	41.07
22 11 16 00-0620	EA	3/4" Copper Cross For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	107.76 13.04 -9.22 11.48 22.96	51.06
22 11 16 00-0621	EA	1" Copper Cross For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	144.50 16.37 -11.80 13.72 27.44	60.95
22 11 16 00-0622	EA	1-1/4" Copper Cross For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	175.16 18.65 -13.71 14.84 29.68	65.99
22 11 16 00-0623	EA	1-1/2" Copper Cross For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	216.92 21.67 -16.26 16.24 32.48	72.15
22 11 16 00-0624	EA	2" Copper Cross For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	326.59 28.46 -22.40 18.20 36.40	80.93
22 11 16 00-0625	EA	2-1/2" Copper Cross For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	607.51 43.82 -37.10 20.16 40.32	89.61
22 11 16 00-0626 Cast Bronze Crosses (22 11 16 00-0436)				
22 11 16 00-0627	EA	3/8" Cast Bronze Cross For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	66.22 7.79 -5.55 6.72 13.44	29.87
22 11 16 00-0628	EA	1/2" Cast Bronze Cross For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	80.88 10.21 -7.12 9.24 18.48	41.07
22 11 16 00-0629	EA	3/4" Cast Bronze Cross For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	114.00 13.35 -9.53 11.48 22.96	51.06



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0630	EA		1" Cast Bronze Cross..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	155.10 16.90 -12.33 13.72 27.44	60.95
22 11 16 00-0631	EA		1-1/4" Cast Bronze Cross..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	190.41 19.41 -14.47 14.84 29.68	65.99
22 11 16 00-0632	EA		1-1/2" Cast Bronze Cross..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	238.65 22.76 -17.35 16.24 32.48	72.15
22 11 16 00-0633	EA		2" Cast Bronze Cross..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	367.63 30.52 -24.45 18.20 36.40	80.93
22 11 16 00-0634	EA		2-1/2" Cast Bronze Cross..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	702.13 48.55 -41.83 20.16 40.32	89.61
22 11 16 00-0635			Flexible Corrugated Copper Supply Line (22 11 16 00-0436)		
22 11 16 00-0636	EA		3/4" Threaded x 3/4" Solder x 18" Long, Flexible Corrugated Copper Supply Line.....	96.68	27.77
22 11 16 00-0637	EA		3/4" Threaded x 3/4" Solder x 24" Long, Flexible Corrugated Copper Supply Line.....	103.31	27.77
22 11 16 00-0638	EA		3/4" Threaded x 3/4" Threaded x 12" Long, Flexible Corrugated Copper Supply Line.....	84.74	27.77
22 11 16 00-0639	EA		3/4" Threaded x 3/4" Threaded x 15" Long, Flexible Corrugated Copper Supply Line.....	92.26	27.77
22 11 16 00-0640	EA		3/4" Threaded x 3/4" Threaded x 18" Long, Flexible Corrugated Copper Supply Line.....	98.89	27.77
22 11 16 00-0641	EA		3/4" Threaded x 3/4" Threaded x 24" Long, Flexible Corrugated Copper Supply Line.....	103.31	27.77
22 11 16 00-0642			Crimped Copper Fittings (22 11 16 00-0368) Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.		
22 11 16 00-0643			Crimped Copper 90 Degree Elbows (22 11 16 00-0642)		
22 11 16 00-0644	EA		1/2" Crimped Copper 90 Degree Elbow.....	20.60	12.17
22 11 16 00-0645	EA		3/4" Crimped Copper 90 Degree Elbow.....	24.77	13.89
22 11 16 00-0646	EA		1" Crimped Copper 90 Degree Elbow.....	32.84	16.52
22 11 16 00-0647	EA		1-1/4" Crimped Copper 90 Degree Elbow.....	43.54	18.24
22 11 16 00-0648	EA		1-1/2" Crimped Copper 90 Degree Elbow.....	61.04	20.27
22 11 16 00-0649	EA		2" Crimped Copper 90 Degree Elbow.....	79.06	24.32
22 11 16 00-0650	EA		2-1/2" Crimped Copper 90 Degree Elbow.....	166.21	28.38
22 11 16 00-0651	EA		3" Crimped Copper 90 Degree Elbow.....	206.25	33.74
22 11 16 00-0652	EA		4" Crimped Copper 90 Degree Elbow.....	259.36	44.59
22 11 16 00-0653			Crimped Copper 45 Degree Elbows (22 11 16 00-0642)		
22 11 16 00-0654	EA		1/2" Crimped Copper 45 Degree Elbow.....	20.99	12.17
22 11 16 00-0655	EA		3/4" Crimped Copper 45 Degree Elbow.....	24.14	13.89
22 11 16 00-0656	EA		1" Crimped Copper 45 Degree Elbow.....	35.67	16.52
22 11 16 00-0657	EA		1-1/4" Crimped Copper 45 Degree Elbow.....	42.91	18.24
22 11 16 00-0658	EA		1-1/2" Crimped Copper 45 Degree Elbow.....	55.62	20.27
22 11 16 00-0659	EA		2" Crimped Copper 45 Degree Elbow.....	71.76	24.32
22 11 16 00-0660	EA		2-1/2" Crimped Copper 45 Degree Elbow.....	124.24	28.38
22 11 16 00-0661	EA		3" Crimped Copper 45 Degree Elbow.....	167.38	33.74
22 11 16 00-0662	EA		4" Crimped Copper 45 Degree Elbow.....	228.96	44.59
22 11 16 00-0663			Crimped Copper Straight Tees (22 11 16 00-0642)		
22 11 16 00-0664	EA		1/2" Crimped Copper Straight Tee.....	30.97	18.24
22 11 16 00-0665	EA		3/4" Crimped Copper Straight Tee.....	42.34	24.02
22 11 16 00-0666	EA		1" Crimped Copper Straight Tee.....	51.50	26.66
22 11 16 00-0667	EA		1-1/4" Crimped Copper Straight Tee.....	60.44	27.36
22 11 16 00-0668	EA		1-1/2" Crimped Copper Straight Tee.....	84.32	31.11
22 11 16 00-0669	EA		2" Crimped Copper Straight Tee.....	101.30	36.49
22 11 16 00-0670	EA		2-1/2" Crimped Copper Straight Tee.....	216.62	42.56
22 11 16 00-0671	EA		3" Crimped Copper Straight Tee.....	266.97	50.68
22 11 16 00-0672	EA		4" Crimped Copper Straight Tee.....	368.28	66.89
22 11 16 00-0673			Crimped Copper Reducing Tees (22 11 16 00-0642)		
22 11 16 00-0674	EA		3/4" Crimped Copper Reducing Tee.....	35.86	17.33
22 11 16 00-0675	EA		1" Crimped Copper Reducing Tee.....	51.60	22.80
22 11 16 00-0676	EA		1-1/4" Crimped Copper Reducing Tee.....	55.76	25.34
22 11 16 00-0677	EA		1-1/2" Crimped Copper Reducing Tee.....	72.47	26.04
22 11 16 00-0678	EA		2" Crimped Copper Reducing Tee.....	86.62	29.49

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0679 EA 2-1/2" Crimped Copper Reducing Tee	230.14	33.44
22 11 16 00-0680 EA 3" Crimped Copper Reducing Tee	280.50	40.54
22 11 16 00-0681 EA 4" Crimped Copper Reducing Tee	331.02	54.02
22 11 16 00-0682 Crimped Copper Couplings (22 11 16 00-0642)		
22 11 16 00-0683 EA 1/2" Crimped Copper Coupling	20.36	12.17
22 11 16 00-0684 EA 3/4" Crimped Copper Coupling	23.99	13.89
22 11 16 00-0685 EA 1" Crimped Copper Coupling	31.34	16.52
22 11 16 00-0686 EA 1-1/4" Crimped Copper Coupling	35.45	18.24
22 11 16 00-0687 EA 1-1/2" Crimped Copper Coupling	45.49	20.27
22 11 16 00-0688 EA 2" Crimped Copper Coupling	55.73	24.32
22 11 16 00-0689 EA 2-1/2" Crimped Copper Coupling	104.14	28.38
22 11 16 00-0690 EA 3" Crimped Copper Coupling	129.11	33.74
22 11 16 00-0691 EA 4" Crimped Copper Coupling	175.79	44.59
22 11 16 00-0692 Crimped Copper Reducing Couplings (22 11 16 00-0642)		
22 11 16 00-0693 EA 3/4" Crimped Copper Reducing Coupling	26.99	11.55
22 11 16 00-0694 EA 1" Crimped Copper Reducing Coupling	30.84	13.17
22 11 16 00-0695 EA 1-1/4" Crimped Copper Reducing Coupling	39.71	15.71
22 11 16 00-0696 EA 1-1/2" Crimped Copper Reducing Coupling	49.76	17.33
22 11 16 00-0697 EA 2" Crimped Copper Reducing Coupling	55.59	19.26
22 11 16 00-0698 EA 2-1/2" Crimped Copper FTG x C Reducing Coupling	107.21	23.01
22 11 16 00-0699 EA 3" Crimped Copper FTG x C Reducing Coupling	133.33	27.06
22 11 16 00-0700 EA 4" Crimped Copper FTG x C Reducing Coupling	173.43	35.78
22 11 16 00-0701 Crimped Copper Male Adapters (22 11 16 00-0642)		
22 11 16 00-0702 EA 1/2" Crimped Copper Male Adapter	20.84	12.17
22 11 16 00-0703 EA 3/4" Crimped Copper Male Adapter	25.48	13.89
22 11 16 00-0704 EA 1" Crimped Copper Male Adapter	33.47	16.52
22 11 16 00-0705 EA 1-1/4" Crimped Copper Male Adapter	46.29	18.24
22 11 16 00-0706 EA 1-1/2" Crimped Copper Male Adapter	56.96	20.27
22 11 16 00-0707 EA 2" Crimped Copper Male Adapter	87.61	24.32
22 11 16 00-0708 EA 2-1/2" Crimped Copper Male Adapter	166.21	28.38
22 11 16 00-0709 EA 3" Crimped Copper Male Adapter	206.25	33.74
22 11 16 00-0710 EA 4" Crimped Copper Male Adapter	246.96	44.59
22 11 16 00-0711 Crimped Copper Female Adapters (22 11 16 00-0642)		
22 11 16 00-0712 EA 1/2" Crimped Copper Female Adapter	21.38	12.17
22 11 16 00-0713 EA 3/4" Crimped Copper Female Adapter	25.88	13.89
22 11 16 00-0714 EA 1" Crimped Copper Female Adapter	34.26	16.52
22 11 16 00-0715 EA 1-1/4" Crimped Copper Female Adapter	48.64	18.24
22 11 16 00-0716 EA 1-1/2" Crimped Copper Female Adapter	61.36	20.27
22 11 16 00-0717 EA 2" Crimped Copper Female Adapter	89.03	24.32
22 11 16 00-0718 Crimped Copper Caps (22 11 16 00-0642)		
22 11 16 00-0719 EA 1/2" Crimped Copper Cap	13.67	6.08
22 11 16 00-0720 EA 3/4" Crimped Copper Cap	18.33	7.10
22 11 16 00-0721 EA 1" Crimped Copper Cap	24.03	8.10
22 11 16 00-0722 EA 1-1/4" Crimped Copper Cap	27.11	9.12
22 11 16 00-0723 EA 1-1/2" Crimped Copper Cap	36.52	10.44
22 11 16 00-0724 EA 2" Crimped Copper Cap	43.53	12.17
22 11 16 00-0725 EA 2-1/2" Crimped Copper Cap	102.14	14.19
22 11 16 00-0726 EA 3" Crimped Copper Cap	127.66	16.92
22 11 16 00-0727 EA 4" Crimped Copper Cap	169.79	22.29
22 11 16 00-0728 C x F NPT Crimped Bronze Unions (22 11 16 00-0642)		
22 11 16 00-0729 EA 1/2" C x F NPT Crimped Bronze Union	38.19	16.52
22 11 16 00-0730 EA 3/4" C x F NPT Crimped Bronze Union	47.63	20.37
22 11 16 00-0731 EA 1" C x F NPT Crimped Bronze Union	65.02	24.42
22 11 16 00-0732 EA 1-1/4" C x F NPT Crimped Bronze Union	78.33	28.17
22 11 16 00-0733 EA 1-1/2" C x F NPT Crimped Bronze Union	97.90	27.57
22 11 16 00-0734 EA 2" C x F NPT Crimped Bronze Union	134.72	39.93
22 11 16 00-0735 C x C Crimped Bronze Unions (22 11 16 00-0642)		
22 11 16 00-0736 EA 1/2" C x C Bronze Crimped Union	34.89	12.17
22 11 16 00-0737 EA 3/4" C x C Bronze Crimped Union	42.60	13.89
22 11 16 00-0738 EA 1" C x C Bronze Crimped Union	59.70	16.52
22 11 16 00-0739 EA 1-1/4" C x C Bronze Crimped Union	77.15	18.24
22 11 16 00-0740 EA 1-1/2" C x C Bronze Crimped Union	98.03	20.27
22 11 16 00-0741 EA 2" C x C Bronze Crimped Union	146.92	24.32



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0742 C x Flange Crimped Bronze Flange (22 11 16 00-0642)		
22 11 16 00-0743 EA 2-1/2" C x Flange Crimped Bronze Flange	279.00	28.38
22 11 16 00-0744 EA 3" C x Flange Crimped Bronze Flange.....	305.16	33.74
22 11 16 00-0745 EA 4" C x Flange Crimped Bronze Flange.....	351.78	44.59
22 11 16 00-0746 Field Installed FKM Seals (22 11 16 00-0642)		
Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.		
22 11 16 00-0747 EA 1/2" Field Installed FKM Seal.....	5.89	
Note: To be used in conjunction with fittings.		
22 11 16 00-0748 EA 3/4" Field Installed FKM Seal.....	7.36	
Note: To be used in conjunction with fittings.		
22 11 16 00-0749 EA 1" Field Installed FKM Seal.....	8.44	
Note: To be used in conjunction with fittings.		
22 11 16 00-0750 EA 1-1/4" Field Installed FKM Seal.....	9.67	
Note: To be used in conjunction with fittings.		
22 11 16 00-0751 EA 1-1/2" Field Installed FKM Seal.....	13.19	
Note: To be used in conjunction with fittings.		
22 11 16 00-0752 EA 2" Field Installed FKM Seal.....	14.77	
Note: To be used in conjunction with fittings.		
22 11 16 00-0753 EA 2-1/2" Field Installed FKM Seal.....	21.40	
Note: To be used in conjunction with fittings.		
22 11 16 00-0754 EA 3" Field Installed FKM Seal.....	24.68	
Note: To be used in conjunction with fittings.		
22 11 16 00-0755 EA 4" Field Installed FKM Seal.....	33.52	
Note: To be used in conjunction with fittings.		
22 11 16 00-0756 Cut And Prepare Existing In-Place Copper Pipe (22 11 16 00-0368)		
22 11 16 00-0757 EA Up To 1/2", Cut And Prepare Existing In Place Copper Pipe.....	10.14	
22 11 16 00-0758 EA 3/4", Cut And Prepare Existing In Place Copper Pipe.....	10.95	
22 11 16 00-0759 EA 1", Cut And Prepare Existing In Place Copper Pipe.....	12.32	
22 11 16 00-0760 EA 1-1/4", Cut And Prepare Existing In Place Copper Pipe.....	12.92	
22 11 16 00-0761 EA 1-1/2", Cut And Prepare Existing In Place Copper Pipe.....	13.68	
22 11 16 00-0762 EA 2", Cut And Prepare Existing In Place Copper Pipe.....	15.06	
22 11 16 00-0763 EA 2-1/2", Cut And Prepare Existing In Place Copper Pipe.....	16.22	
22 11 16 00-0764 EA 3", Cut And Prepare Existing In Place Copper Pipe.....	19.15	
22 11 16 00-0765 EA 4", Cut And Prepare Existing In Place Copper Pipe.....	25.84	
22 11 16 00-0766 EA 6", Cut And Prepare Existing In Place Copper Pipe.....	36.94	
22 11 16 00-0767 EA 8", Cut And Prepare Existing In Place Copper Pipe.....	49.25	
22 11 16 00-0768 Sweat Brass Companion Flanges (22 11 16 00-0368)		
Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
22 11 16 00-0769 EA 1" Sweat Brass Companion Flange	67.66	15.59
22 11 16 00-0770 EA 1-1/4" Sweat Brass Companion Flange	73.78	17.17
22 11 16 00-0771 EA 1-1/2" Sweat Brass Companion Flange	108.23	18.67
22 11 16 00-0772 EA 2" Sweat Brass Companion Flange	146.82	20.72
22 11 16 00-0773 EA 2-1/2" Sweat Brass Companion Flange	186.24	24.92
22 11 16 00-0774 EA 3" Sweat Brass Companion Flange	203.10	32.67
22 11 16 00-0775 EA 4" Sweat Brass Companion Flange	273.38	38.93
22 11 16 00-0776 EA 5" Sweat Brass Companion Flange	514.37	46.88
22 11 16 00-0777 EA 6" Sweat Brass Companion Flange	584.08	68.12
22 11 16 00-0778 EA 8" Copper Companion Flange.....	1,386.82	97.16
22 11 16 00-0779 Brass Compression Fittings (22 11 16 00-0368)		
22 11 16 00-0780 Brass Compression Unions (22 11 16 00-0779)		
22 11 16 00-0781 EA 1/4" Brass Compression Union	17.40	10.95
22 11 16 00-0782 EA 3/8" Brass Compression Union	17.67	10.95
22 11 16 00-0783 EA 1/2" Brass Compression Union	18.49	10.95
22 11 16 00-0784 EA 5/8" Brass Compression Union	18.88	10.95
22 11 16 00-0785 EA 3/4" Brass Compression Union	24.96	10.95
22 11 16 00-0786 EA 3/8" x 1/4" Brass Compression Union	17.86	10.95
22 11 16 00-0787 EA 1/2" x 3/8" Brass Compression Union	18.55	10.95
22 11 16 00-0788 EA 5/8" x 3/8" Brass Compression Union	19.04	10.95
22 11 16 00-0789 EA 5/8" x 1/2" Brass Compression Union	19.81	10.95
22 11 16 00-0790 Brass Compression Union Elbows (22 11 16 00-0779)		
22 11 16 00-0791 EA 1/4" Brass Compression Union Elbow	18.49	10.95
22 11 16 00-0792 EA 3/8" Brass Compression Union Elbow	18.93	10.95
22 11 16 00-0793 EA 1/2" Brass Compression Union Elbow	19.90	10.95
22 11 16 00-0794 EA 5/8" Brass Compression Union Elbow	21.40	10.95
22 11 16 00-0795 EA 3/4" Brass Compression Union Elbow	27.27	10.95
22 11 16 00-0796 EA 3/8" x 1/4" Brass Compression Union Elbow	18.93	10.95
22 11 16 00-0797 EA 1/2" x 3/8" Brass Compression Union Elbow	19.90	10.95
22 11 16 00-0798 EA 5/8" x 3/8" Brass Compression Union Elbow	20.17	10.95
22 11 16 00-0799 EA 5/8" x 1/2" Brass Compression Union Elbow	24.58	10.95



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 16 00-0800 Brass Compression Union Tees (22 11 16 00-0779)			
22 11 16 00-0801	EA	1/4" Brass Compression Union Tee	18.82 10.95
22 11 16 00-0802	EA	3/8" Brass Compression Union Tee	19.74 10.95
22 11 16 00-0803	EA	1/2" Brass Compression Union Tee	20.71 10.95
22 11 16 00-0804	EA	5/8" Brass Compression Union Tee	23.77 10.95
22 11 16 00-0805	EA	3/4" Brass Compression Union Tee	34.37 10.95
22 11 16 00-0806	EA	3/8" x 3/8" x 1/4" Brass Compression Union Tee	20.38 10.95
22 11 16 00-0807	EA	1/2" x 1/2" x 3/8" Brass Compression Union Tee	25.36 10.95
22 11 16 00-0808	EA	5/8" x 5/8" x 3/8" Brass Compression Union Tee	24.88 10.95
22 11 16 00-0809	EA	5/8" x 5/8" x 1/2" Brass Compression Union Tee	25.44 10.95
22 11 16 00-0810 Brass Compression Male Connectors (22 11 16 00-0779)			
22 11 16 00-0811	EA	1/4" Brass Compression Male Connector	17.21 10.95
22 11 16 00-0812	EA	3/8" Brass Compression Male Connector	17.57 10.95
22 11 16 00-0813	EA	1/2" Brass Compression Male Connector	18.18 10.95
22 11 16 00-0814	EA	5/8" Brass Compression Male Connector	19.09 10.95
22 11 16 00-0815	EA	3/4" Brass Compression Male Connector	22.39 10.84
22 11 16 00-0816 Brass Compression Female Connectors (22 11 16 00-0779)			
22 11 16 00-0817	EA	1/4" Brass Compression Female Connector	17.60 10.95
22 11 16 00-0818	EA	3/8" Brass Compression Female Connector	18.06 10.95
22 11 16 00-0819	EA	1/2" Brass Compression Female Connector	18.84 10.95
22 11 16 00-0820	EA	5/8" Brass Compression Female Connector	19.37 10.95
22 11 16 00-0821	EA	3/4" Brass Compression Female Connector	28.36 10.74
22 11 16 00-0822 Dielectric Fittings (22 11 16 00-0368)			
22 11 16 00-0823 Copper x Female Iron Pipe Thread Dielectric Unions (22 11 16 00-0622)			
22 11 16 00-0824	EA	1/2" Copper x Female Iron Pipe Thread Dielectric Union	43.79 24.32
22 11 16 00-0825	EA	3/4" Copper x Female Iron Pipe Thread Dielectric Union	48.85 27.77
22 11 16 00-0826	EA	1" Copper x Female Iron Pipe Thread Dielectric Union	58.43 30.53
22 11 16 00-0827	EA	1-1/4" Copper x Female Iron Pipe Thread Dielectric Union	71.21 33.60
22 11 16 00-0828	EA	1-1/2" Copper x Female Iron Pipe Thread Dielectric Union	86.51 37.33
22 11 16 00-0829	EA	2" Copper x Female Iron Pipe Thread Dielectric Union	110.19 44.80
22 11 16 00-0830 Female Brass Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0822)			
22 11 16 00-0831	EA	1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union	48.40 24.32
22 11 16 00-0832	EA	3/4" Female Brass Thread x Iron Pipe Thread Dielectric Union	56.44 27.77
22 11 16 00-0833	EA	1" Female Brass Thread x Iron Pipe Thread Dielectric Union	68.44 30.53
22 11 16 00-0834	EA	1-1/4" Female Brass Thread x Iron Pipe Thread Dielectric Union	84.49 33.60
22 11 16 00-0835	EA	1-1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union	102.94 37.33
22 11 16 00-0836	EA	2" Female Brass Thread x Iron Pipe Thread Dielectric Union	129.46 44.80
22 11 16 00-0837 Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0822)			
22 11 16 00-0838	EA	1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	45.48 24.32
22 11 16 00-0839	EA	3/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	51.62 27.77
22 11 16 00-0840	EA	1" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	59.16 30.53
22 11 16 00-0841	EA	1-1/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	68.64 33.60
22 11 16 00-0842	EA	1-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	83.97 37.33
22 11 16 00-0843	EA	2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	108.15 44.80
22 11 16 00-0844 Copper x Female Iron Pipe Thread Dielectric Flanges (22 11 16 00-0822)			
22 11 16 00-0845	EA	2-1/2" Copper x Female Iron Pipe Thread Dielectric Flange	267.53 115.18
22 11 16 00-0846	EA	3" Copper x Female Iron Pipe Thread Dielectric Flange	334.82 145.05
22 11 16 00-0847	EA	4" Copper x Female Iron Pipe Thread Dielectric Flange	472.94 197.41
22 11 16 00-0848 Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges (22 11 16 00-0822)			
22 11 16 00-0849	EA	2-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	269.44 115.18
22 11 16 00-0850	EA	3" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	349.93 145.05
22 11 16 00-0851	EA	4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	647.30 197.41
22 11 16 00-0852 Brass Push-Fit Fittings (22 11 16)			
22 11 16 00-0853	EA	1/4" x 1/4" Brass Push-Fit Coupling	20.40 10.14
		Note: (Sharkbite)	
22 11 16 00-0854	EA	3/8" x 3/8" Brass Push-Fit Coupling	24.77 10.81
		Note: (Sharkbite)	
22 11 16 00-0855	EA	1/2" x 1/2" Brass Push-Fit Coupling	25.97 12.17
		Note: (Sharkbite)	



Plumbing		22	22
Plumbing Piping		22 10	
Facility Water Distribution		22 11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0856	EA		5/8" x 5/8" Brass Push-Fit Coupling Note: (Sharkbite)	29.57	12.97
22 11 16 00-0857	EA		3/4" x 3/4" Brass Push-Fit Coupling Note: (Sharkbite)	30.33	13.86
22 11 16 00-0858	EA		1" x 1" Brass Push-Fit Coupling Note: (Sharkbite)	41.73	16.55
22 11 16 00-0859	EA		1/2" x 3/8" Brass Push-Fit Reducing Coupling Note: (Sharkbite)	25.36	11.48
22 11 16 00-0860	EA		3/4" x 5/8" Brass Push-Fit Reducing Coupling Note: (Sharkbite)	29.14	12.57
22 11 16 00-0861	EA		1" x 3/4" Brass Push-Fit Reducing Coupling Note: (Sharkbite)	42.30	15.20
22 11 16 00-0862	EA		1/4" x 1/4" Brass Push-Fit Elbow Note: (Sharkbite)	21.15	10.14
22 11 16 00-0863	EA		3/8" x 3/8" Brass Push-Fit Elbow Note: (Sharkbite)	27.97	10.81
22 11 16 00-0864	EA		1/2" x 1/2" Brass Push-Fit Elbow Note: (Sharkbite)	26.38	12.17
22 11 16 00-0865	EA		5/8" x 5/8" Brass Push-Fit Elbow Note: (Sharkbite)	31.43	12.97
22 11 16 00-0866	EA		3/4" x 3/4" Brass Push-Fit Elbow Note: (Sharkbite)	29.80	13.86
22 11 16 00-0867	EA		1" x 1" Brass Push-Fit Elbow Note: (Sharkbite)	42.14	16.55
22 11 16 00-0868	EA		1/2" x 3/8" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	25.02	11.48
22 11 16 00-0869	EA		3/4" x 1/2" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	27.81	12.57
22 11 16 00-0870	EA		1" x 3/4" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	51.47	15.20
22 11 16 00-0871	EA		1/4" x 1/4" x 1/4" Brass Push-Fit Tee Note: (Sharkbite)	32.04	15.20
22 11 16 00-0872	EA		3/8" x 3/8" x 3/8" Brass Push-Fit Tee Note: (Sharkbite)	39.62	16.22
22 11 16 00-0873	EA		1/2" x 1/2" x 1/2" Brass Push-Fit Tee Note: (Sharkbite)	37.35	18.24
22 11 16 00-0874	EA		5/8" x 5/8" x 5/8" Brass Push-Fit Tee Note: (Sharkbite)	46.36	19.46
22 11 16 00-0875	EA		3/4" x 3/4" x 3/4" Brass Push-Fit Tee Note: (Sharkbite)	43.41	20.77
22 11 16 00-0876	EA		1" x 1" x 1" Brass Push-Fit Tee Note: (Sharkbite)	58.22	24.83
22 11 16 00-0877	EA		1/2" x 1/2" x 1/4" Brass Push-Fit Reducing Tee Note: (Sharkbite)	40.89	17.22
22 11 16 00-0878	EA		1/2" x 1/2" x 3/8" Brass Push-Fit Reducing Tee Note: (Sharkbite)	41.20	17.57
22 11 16 00-0879	EA		3/4" x 3/4" x 1/2" Brass Push-Fit Reducing Tee Note: (Sharkbite)	41.86	19.94
22 11 16 00-0880	EA		1" x 1" x 3/4" Brass Push-Fit Reducing Tee Note: (Sharkbite)	56.29	23.48
22 11 16 00-0881	EA		1/4" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	24.00	11.15
22 11 16 00-0882	EA		3/8" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	23.86	11.48
22 11 16 00-0883	EA		1/2" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	23.84	12.17
22 11 16 00-0884	EA		3/4" x 3/4" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	27.27	13.86
22 11 16 00-0885	EA		1" x 1" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	37.42	16.55
22 11 16 00-0886	EA		1/4" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	21.43	11.15
22 11 16 00-0887	EA		3/8" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	23.86	11.48
22 11 16 00-0888	EA		1/2" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	23.89	12.17
22 11 16 00-0889	EA		3/4" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	27.04	13.86
22 11 16 00-0890	EA		5/8" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	28.88	13.40
22 11 16 00-0891	EA		1" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	34.36	15.20
22 11 16 00-0892	EA		1" x 1" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	37.90	16.55
22 11 16 00-0893	EA		1/2" Brass Push-Fit Ball Valve Note: (Sharkbite)	32.73	12.17
22 11 16 00-0894	EA		3/4" Brass Push-Fit Ball Valve Note: (Sharkbite)	38.15	13.86
22 11 16 00-0895	EA		1" Brass Push-Fit Ball Valve Note: (Sharkbite)	49.86	16.55
22 11 16 00-0896	EA		1/2" Brass Push-Fit Check Valve Note: (Sharkbite)	34.80	12.17
22 11 16 00-0897	EA		3/4" Brass Push-Fit Check Valve Note: (Sharkbite)	41.64	13.86



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0898	EA		1" Brass Push-Fit Check Valve Note: (Sharkbite)	68.00	16.55
22 11 16 00-0899 Copper Pipe Assemblies <small>(22 11 16)</small>					
Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.					
22 11 16 00-0900	LF		1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	20.22	2.84
			For Type K Tubing Instead Of Type L, Add	1.40	
			For Type M Tubing Instead Of Type L, Deduct	-1.16	
			For Silver Solder Instead Of 95/5 Solder, Add	2.60	
			For For Brazed Fittings, Add	0.63	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.80	
			For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0901	LF		3/4" Inside Diameter Copper Pipe/Tubing Type L Assembly..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	23.34	3.65
			For Type K Tubing Instead Of Type L, Add	1.66	
			For Type M Tubing Instead Of Type L, Deduct	-1.36	
			For Silver Solder Instead Of 95/5 Solder, Add	2.96	
			For For Brazed Fittings, Add	0.72	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.07	
			For Work In Restricted Working Space, Add	5.39	
22 11 16 00-0902	LF		1" Inside Diameter Copper Pipe/Tubing Type L Assembly..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	25.83	4.35
			For Type K Tubing Instead Of Type L, Add	1.97	
			For Type M Tubing Instead Of Type L, Deduct	-1.59	
			For Silver Solder Instead Of 95/5 Solder, Add	3.17	
			For For Brazed Fittings, Add	0.75	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.23	
			For Work In Restricted Working Space, Add	5.65	
22 11 16 00-0903	LF		1-1/4" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	29.25	5.07
			For Type K Tubing Instead Of Type L, Add	2.47	
			For Type M Tubing Instead Of Type L, Deduct	-1.95	
			For Silver Solder Instead Of 95/5 Solder, Add	3.42	
			For For Brazed Fittings, Add	0.78	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.44	
			For Work In Restricted Working Space, Add	5.87	
			For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-0.97	
22 11 16 00-0904	LF		1-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	32.65	5.78
			For Type K Tubing Instead Of Type L, Add	2.89	
			For Type M Tubing Instead Of Type L, Deduct	-2.25	
			For Silver Solder Instead Of 95/5 Solder, Add	3.72	
			For For Brazed Fittings, Add	0.83	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.68	
			For Work In Restricted Working Space, Add	6.26	
			For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-1.18	
22 11 16 00-0905	LF		2" Inside Diameter Copper Pipe/Tubing Type L Assembly..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	41.32	7.20
			For Type K Tubing Instead Of Type L, Add	3.98	
			For Type M Tubing Instead Of Type L, Deduct	-3.04	
			For Silver Solder Instead Of 95/5 Solder, Add	4.47	
			For For Brazed Fittings, Add	0.96	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.27	
			For Work In Restricted Working Space, Add	7.20	
			For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-1.73	
22 11 16 00-0906	LF		2-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	51.55	8.68
			For Type K Tubing Instead Of Type L, Add	5.53	
			For Type M Tubing Instead Of Type L, Deduct	-4.13	
			For Silver Solder Instead Of 95/5 Solder, Add	5.15	
			For For Brazed Fittings, Add	1.03	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.87	
			For Work In Restricted Working Space, Add	7.73	
			For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-2.58	
22 11 16 00-0907	LF		3" Inside Diameter Copper Pipe/Tubing Type L Assembly..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	63.38	10.08
			For Type K Tubing Instead Of Type L, Add	7.31	
			For Type M Tubing Instead Of Type L, Deduct	-5.37	
			For Silver Solder Instead Of 95/5 Solder, Add	5.96	
			For For Brazed Fittings, Add	1.12	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.56	
			For Work In Restricted Working Space, Add	8.37	
			For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-3.55	



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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0908	LF	4" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. For Type K Tubing Instead Of Type L, Add For Type M Tubing Instead Of Type L, Deduct For Silver Solder Instead Of 95/5 Solder, Add For For Brazed Fittings, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Work In Restricted Working Space, Add For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	100.15 12.62 -9.13 8.61 1.44 -6.81 10.82 -6.41	13.35
22 11 16 00-0909	LF	5" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. For Type K Tubing Instead Of Type L, Add For Type M Tubing Instead Of Type L, Deduct For Silver Solder Instead Of 95/5 Solder, Add For For Brazed Fittings, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Work In Restricted Working Space, Add For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	187.21 26.43 -18.76 13.99 1.85 -11.68 13.89 -14.09	16.62
22 11 16 00-0910	LF	6" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. For Type K Tubing Instead Of Type L, Add For Type M Tubing Instead Of Type L, Deduct For Silver Solder Instead Of 95/5 Solder, Add For For Brazed Fittings, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Work In Restricted Working Space, Add For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	245.24 34.87 -24.72 18.14 2.35 -15.20 17.64 -18.64	20.07
22 11 16 00-0911	LF	8" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. For Type K Tubing Instead Of Type L, Add For Type M Tubing Instead Of Type L, Deduct For Silver Solder Instead Of 95/5 Solder, Add For For Brazed Fittings, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Work In Restricted Working Space, Add For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	571.98 89.93 -62.79 35.91 2.92 -32.25 21.92 -49.89	23.99
22 11 16 00-0912		Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16)		
22 11 16 00-0913		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16 00-0912)		
22 11 16 00-0914		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe (22 11 16 00-0913)		
22 11 16 00-0915	LF	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe For Work In Restricted Working Space, Add	6.51 1.12	1.49
22 11 16 00-0916	LF	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe For Work In Restricted Working Space, Add	7.72 1.18	1.57
22 11 16 00-0917	LF	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe For Work In Restricted Working Space, Add	9.80 1.27	1.69
22 11 16 00-0918	LF	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe For Work In Restricted Working Space, Add	12.32 1.38	1.84
22 11 16 00-0919	LF	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe For Work In Restricted Working Space, Add	14.42 1.53	2.04
22 11 16 00-0920	LF	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe For Work In Restricted Working Space, Add	18.63 1.71	2.28
22 11 16 00-0921	LF	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe For Work In Restricted Working Space, Add	26.25 1.94	2.58
22 11 16 00-0922	LF	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe For Work In Restricted Working Space, Add	34.07 2.29	3.07
22 11 16 00-0923	LF	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe For Work In Restricted Working Space, Add	48.17 2.82	3.76
22 11 16 00-0924	LF	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe For Work In Restricted Working Space, Add	86.94 3.59	4.78
22 11 16 00-0925	LF	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe For Work In Restricted Working Space, Add	126.28 4.70	6.27
22 11 16 00-0926		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows (22 11 16 00-0913)		
22 11 16 00-0927	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow For Work In Restricted Working Space, Add	22.09 5.32	7.09
22 11 16 00-0928	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow For Work In Restricted Working Space, Add	29.16 6.72	8.96
22 11 16 00-0929	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow For Work In Restricted Working Space, Add	38.78 8.43	11.20
22 11 16 00-0930	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow For Work In Restricted Working Space, Add	55.68 10.53	14.00
22 11 16 00-0931	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow For Work In Restricted Working Space, Add	62.06 11.65	15.49



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0932 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	74.64 12.99	15.49
22 11 16 00-0933 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	130.89 14.78	19.69
22 11 16 00-0934 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	146.93 17.48	23.34
22 11 16 00-0935 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	219.57 21.50	28.66
22 11 16 00-0936 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	276.48 27.33	36.40
22 11 16 00-0937 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	573.17 35.84	47.79
22 11 16 00-0938 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows (22 11 16 00-0913)		
22 11 16 00-0939 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	24.26 5.32	7.09
22 11 16 00-0940 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	31.76 6.72	8.96
22 11 16 00-0941 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	43.00 8.43	11.20
22 11 16 00-0942 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	61.23 10.53	14.00
22 11 16 00-0943 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	68.82 11.65	15.49
22 11 16 00-0944 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	76.94 12.99	17.37
22 11 16 00-0945 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	132.34 14.78	19.69
22 11 16 00-0946 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	146.74 17.48	23.34
22 11 16 00-0947 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	193.07 21.50	28.66
22 11 16 00-0948 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	326.15 27.33	36.40
22 11 16 00-0949 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	608.36 35.84	47.79
22 11 16 00-0950 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees (22 11 16 00-0913)		
22 11 16 00-0951 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	34.51 7.98	10.64
22 11 16 00-0952 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	46.22 10.08	13.44
22 11 16 00-0953 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	57.71 12.66	16.89
22 11 16 00-0954 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	85.36 15.79	21.10
22 11 16 00-0955 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	95.74 17.48	23.34
22 11 16 00-0956 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	120.88 19.49	25.95
22 11 16 00-0957 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	165.79 22.18	29.59
22 11 16 00-0958 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	187.31 26.21	34.91
22 11 16 00-0959 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	225.60 32.26	43.03
22 11 16 00-0960 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	367.36 41.00	54.70
22 11 16 00-0961 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	839.70 53.76	71.68
22 11 16 00-0962 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses (22 11 16 00-0913)		
22 11 16 00-0963 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross..... <i>For Work In Restricted Working Space, Add</i>	42.28 10.64	14.19
22 11 16 00-0964 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross..... <i>For Work In Restricted Working Space, Add</i>	55.67 13.44	17.92
22 11 16 00-0965 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross..... <i>For Work In Restricted Working Space, Add</i>	69.56 16.86	22.50
22 11 16 00-0966 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	98.37 21.06	28.09
22 11 16 00-0967 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	109.95 23.30	31.08
22 11 16 00-0968 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross..... <i>For Work In Restricted Working Space, Add</i>	134.77 25.98	34.63
22 11 16 00-0969 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	177.68 29.57	39.39
22 11 16 00-0970 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross..... <i>For Work In Restricted Working Space, Add</i>	202.57 34.94	46.58
22 11 16 00-0971 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross..... <i>For Work In Restricted Working Space, Add</i>	245.06 43.01	57.31



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22 11 16 00-0972	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross.....	380.90	72.90
			For Work In Restricted Working Space, Add	54.66	
22 11 16 00-0973	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross.....	807.85	95.58
			For Work In Restricted Working Space, Add	71.69	
22 11 16 00-0974 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts (22 11 16 00-0913)					
22 11 16 00-0975	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	19.03	6.53
			For Work In Restricted Working Space, Add	4.93	
22 11 16 00-0976	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	27.19	8.86
			For Work In Restricted Working Space, Add	6.64	
22 11 16 00-0977	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	52.11	11.58
			For Work In Restricted Working Space, Add	8.68	
22 11 16 00-0978	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	59.37	12.79
			For Work In Restricted Working Space, Add	9.61	
22 11 16 00-0979	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	71.67	14.28
			For Work In Restricted Working Space, Add	10.73	
22 11 16 00-0980	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	76.62	16.25
			For Work In Restricted Working Space, Add	12.21	
22 11 16 00-0981	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	94.07	19.23
			For Work In Restricted Working Space, Add	14.42	
22 11 16 00-0982	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	132.88	23.62
			For Work In Restricted Working Space, Add	17.75	
22 11 16 00-0983	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	232.15	30.05
			For Work In Restricted Working Space, Add	22.54	
22 11 16 00-0984	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	570.96	39.39
			For Work In Restricted Working Space, Add	29.57	
22 11 16 00-0985 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts (22 11 16 00-0913)					
22 11 16 00-0986	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	28.69	4.67
			For Work In Restricted Working Space, Add	3.50	
22 11 16 00-0987	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	34.78	6.53
			For Work In Restricted Working Space, Add	4.93	
22 11 16 00-0988	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	41.80	8.86
			For Work In Restricted Working Space, Add	6.64	
22 11 16 00-0989	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	50.84	11.58
			For Work In Restricted Working Space, Add	8.68	
22 11 16 00-0990	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	61.24	12.79
			For Work In Restricted Working Space, Add	9.61	
22 11 16 00-0991	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	80.97	14.28
			For Work In Restricted Working Space, Add	10.73	
22 11 16 00-0992	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	137.34	16.25
			For Work In Restricted Working Space, Add	12.21	
22 11 16 00-0993	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	300.51	19.23
			For Work In Restricted Working Space, Add	14.42	
22 11 16 00-0994	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	457.03	23.62
			For Work In Restricted Working Space, Add	17.75	
22 11 16 00-0995 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters (22 11 16 00-0913)					
22 11 16 00-0996	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	18.19	4.67
			For Work In Restricted Working Space, Add	3.50	
22 11 16 00-0997	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	25.24	6.53
			For Work In Restricted Working Space, Add	4.93	
22 11 16 00-0998	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	36.97	8.86
			For Work In Restricted Working Space, Add	6.64	
22 11 16 00-0999	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	50.84	11.58
			For Work In Restricted Working Space, Add	8.68	
22 11 16 00-1000	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	61.66	12.79
			For Work In Restricted Working Space, Add	9.61	
22 11 16 00-1001	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	75.83	14.28
			For Work In Restricted Working Space, Add	10.73	
22 11 16 00-1002	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	116.58	16.25
			For Work In Restricted Working Space, Add	12.21	
22 11 16 00-1003	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	139.82	19.23
			For Work In Restricted Working Space, Add	14.42	
22 11 16 00-1004	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	214.30	23.62
			For Work In Restricted Working Space, Add	17.75	
22 11 16 00-1005 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters (22 11 16 00-0913)					

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22 11 16 00-1006 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	20.67	4.67
For Work In Restricted Working Space, Add	3.50	
22 11 16 00-1007 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	26.03	6.53
For Work In Restricted Working Space, Add	4.93	
22 11 16 00-1008 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	37.18	8.86
For Work In Restricted Working Space, Add	6.64	
22 11 16 00-1009 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	51.57	11.58
For Work In Restricted Working Space, Add	8.68	
22 11 16 00-1010 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	58.34	12.79
For Work In Restricted Working Space, Add	9.61	
22 11 16 00-1011 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	73.12	14.28
For Work In Restricted Working Space, Add	10.73	
22 11 16 00-1012 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	118.15	16.25
For Work In Restricted Working Space, Add	12.21	
22 11 16 00-1013 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	167.23	19.23
For Work In Restricted Working Space, Add	14.42	
22 11 16 00-1014 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	260.90	23.62
For Work In Restricted Working Space, Add	17.75	
22 11 16 00-1015 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings (22 11 16 00-0913)		
22 11 16 00-1016 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	16.19	4.30
For Work In Restricted Working Space, Add	3.19	
22 11 16 00-1017 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	22.78	5.97
For Work In Restricted Working Space, Add	4.48	
22 11 16 00-1018 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	30.64	8.03
For Work In Restricted Working Space, Add	6.02	
22 11 16 00-1019 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	42.08	10.55
For Work In Restricted Working Space, Add	7.90	
22 11 16 00-1020 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	48.98	11.67
For Work In Restricted Working Space, Add	8.74	
22 11 16 00-1021 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	55.54	12.98
For Work In Restricted Working Space, Add	9.74	
22 11 16 00-1022 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	92.25	14.74
For Work In Restricted Working Space, Add	11.09	
22 11 16 00-1023 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	99.53	17.46
For Work In Restricted Working Space, Add	13.11	
22 11 16 00-1024 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	126.92	21.47
For Work In Restricted Working Space, Add	16.13	
22 11 16 00-1025 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	212.65	27.35
For Work In Restricted Working Space, Add	20.50	
22 11 16 00-1026 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	382.07	35.84
For Work In Restricted Working Space, Add	26.88	
22 11 16 00-1027 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions (22 11 16 00-0913)		
22 11 16 00-1028 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	36.45	5.13
For Work In Restricted Working Space, Add	3.84	
22 11 16 00-1029 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	42.73	7.19
For Work In Restricted Working Space, Add	5.38	
22 11 16 00-1030 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	49.67	9.61
For Work In Restricted Working Space, Add	7.22	
22 11 16 00-1031 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	91.73	12.61
For Work In Restricted Working Space, Add	9.46	
22 11 16 00-1032 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	96.18	14.00
For Work In Restricted Working Space, Add	10.47	
22 11 16 00-1033 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	140.67	15.59
For Work In Restricted Working Space, Add	11.71	
22 11 16 00-1034 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	255.13	17.74
For Work In Restricted Working Space, Add	13.30	
22 11 16 00-1035 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	371.00	21.01
For Work In Restricted Working Space, Add	15.74	
22 11 16 00-1036 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	606.02	25.77
For Work In Restricted Working Space, Add	19.35	
22 11 16 00-1037 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	813.32	32.76
For Work In Restricted Working Space, Add	24.59	
22 11 16 00-1038 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	1,000.90	43.03
For Work In Restricted Working Space, Add	32.26	
22 11 16 00-1039 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps (22 11 16 00-0913)		
22 11 16 00-1040 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap.....	12.31	1.40
For Work In Restricted Working Space, Add	1.07	
22 11 16 00-1041 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap.....	19.89	2.98
For Work In Restricted Working Space, Add	2.24	
22 11 16 00-1042 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap.....	34.01	4.85
For Work In Restricted Working Space, Add	3.61	
22 11 16 00-1043 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap.....	37.25	5.22
For Work In Restricted Working Space, Add	3.95	
22 11 16 00-1044 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap.....	39.13	5.79
For Work In Restricted Working Space, Add	4.37	
22 11 16 00-1045 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap.....	55.81	6.53
For Work In Restricted Working Space, Add	4.88	



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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1046	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	89.71 5.54	7.37
22 11 16 00-1047	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	94.70 6.55	8.77
22 11 16 00-1048	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	149.78 8.06	10.73
22 11 16 00-1049	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	339.97 10.25	13.62
22 11 16 00-1050	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	437.47 13.44	17.92
22 11 16 00-1051		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges (22 11 16 00-0913)		
22 11 16 00-1052	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	29.62 2.55	3.36
22 11 16 00-1053	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	34.59 3.59	4.76
22 11 16 00-1054	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	41.28 4.82	6.44
22 11 16 00-1055	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	47.06 6.33	8.40
22 11 16 00-1056	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	49.90 7.00	9.34
22 11 16 00-1057	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	61.27 7.79	10.36
22 11 16 00-1058	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	84.71 8.88	11.85
22 11 16 00-1059	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	95.03 10.47	14.00
22 11 16 00-1060	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	119.21 12.91	17.17
22 11 16 00-1061	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	174.46 16.41	21.84
22 11 16 00-1062	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	341.87 21.50	28.66
22 11 16 00-1063		Red Brass Pipe And Fittings (22 11 16)		
		Note: ASTM B43 And B251 (Pipe), ASME B16.15.		
22 11 16 00-1064		Schedule 40 Red Brass Pipe (22 11 16 00-1063)		
22 11 16 00-1065	LF	1/2" Schedule 40 Red Brass Pipe	15.02	1.96
22 11 16 00-1066	LF	3/4" Schedule 40 Red Brass Pipe	19.26	1.96
22 11 16 00-1067	LF	1" Schedule 40 Red Brass Pipe	25.58	1.96
22 11 16 00-1068	LF	1-1/4" Schedule 40 Red Brass Pipe	36.79	2.15
22 11 16 00-1069	LF	1-1/2" Schedule 40 Red Brass Pipe	42.18	2.33
22 11 16 00-1070	LF	2" Schedule 40 Red Brass Pipe	53.87	2.80
22 11 16 00-1071	LF	2-1/2" Schedule 40 Red Brass Pipe	77.46	3.18
22 11 16 00-1072	LF	3" Schedule 40 Red Brass Pipe	108.35	3.36
22 11 16 00-1073	LF	4" Schedule 40 Red Brass Pipe	154.27	3.36
22 11 16 00-1074		125 LB Cast Bronze, Screwed, 90 Degree Elbows (22 11 16 00-1063)		
22 11 16 00-1075	EA	1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	53.57	23.24
22 11 16 00-1076	EA	3/4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	60.60	25.57
22 11 16 00-1077	EA	1" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	75.85	30.24
22 11 16 00-1078	EA	1-1/4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	90.01	32.48
22 11 16 00-1079	EA	1-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	100.59	34.81
22 11 16 00-1080	EA	2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	124.22	37.15
22 11 16 00-1081	EA	2-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	208.18	46.48
22 11 16 00-1082	EA	3" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	287.53	55.73
22 11 16 00-1083	EA	4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	505.05	74.30
22 11 16 00-1084		125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbows (22 11 16 00-1063)		
22 11 16 00-1085	EA	1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	55.95	23.24
22 11 16 00-1086	EA	3/4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	64.06	25.57
22 11 16 00-1087	EA	1" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	83.08	30.24
22 11 16 00-1088	EA	1-1/4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	99.49	32.48
22 11 16 00-1089	EA	1-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	113.65	34.81
22 11 16 00-1090	EA	2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	152.73	37.15
22 11 16 00-1091	EA	2-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	231.93	46.48
22 11 16 00-1092	EA	3" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	360.53	55.73
22 11 16 00-1093	EA	4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	711.66	74.30
22 11 16 00-1094		125 LB Cast Bronze, Screwed, 45 Degree Elbows (22 11 16 00-1063)		
22 11 16 00-1095	EA	1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	54.78	23.24
22 11 16 00-1096	EA	3/4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	62.97	25.57
22 11 16 00-1097	EA	1" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	80.61	30.24
22 11 16 00-1098	EA	1-1/4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	97.13	32.48

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1099	EA	1-1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	110.08	34.81	
22 11 16 00-1100	EA	2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	139.66	37.15	
22 11 16 00-1101	EA	2-1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	217.65	46.48	
22 11 16 00-1102	EA	3" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	303.74	55.73	
22 11 16 00-1103	EA	4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	663.65	74.30	
22 11 16 00-1104 125 LB Cast Bronze, Screwed, Tees (22 11 16 00-1063)					
22 11 16 00-1105	EA	1/2" 125 LB Cast Bronze, Screwed, Tee	78.01	34.81	
22 11 16 00-1106	EA	3/4" 125 LB Cast Bronze, Screwed, Tee	88.06	38.08	
22 11 16 00-1107	EA	1" 125 LB Cast Bronze, Screwed, Tee	111.53	45.09	
22 11 16 00-1108	EA	1-1/4" 125 LB Cast Bronze, Screwed, Tee	134.40	48.82	
22 11 16 00-1109	EA	1-1/2" 125 LB Cast Bronze, Screwed, Tee	145.65	51.99	
22 11 16 00-1110	EA	2" 125 LB Cast Bronze, Screwed, Tee	180.40	55.73	
22 11 16 00-1111	EA	2-1/2" 125 LB Cast Bronze, Screwed, Tee	296.19	69.72	
22 11 16 00-1112	EA	3" 125 LB Cast Bronze, Screwed, Tee	406.98	83.63	
22 11 16 00-1113	EA	4" 125 LB Cast Bronze, Screwed, Tee	816.96	111.45	
22 11 16 00-1114 125 LB Cast Bronze, Screwed, Reducing Tees (22 11 16 00-1063)					
22 11 16 00-1115	EA	1/2" 125 LB Cast Bronze, Screwed, Reducing Tee	81.56	34.81	
22 11 16 00-1116	EA	3/4" 125 LB Cast Bronze, Screwed, Reducing Tee	90.45	38.08	
22 11 16 00-1117	EA	1" 125 LB Cast Bronze, Screwed, Reducing Tee	121.03	45.09	
22 11 16 00-1118	EA	1-1/4" 125 LB Cast Bronze, Screwed, Reducing Tee	141.53	48.82	
22 11 16 00-1119	EA	1-1/2" 125 LB Cast Bronze, Screwed, Reducing Tee	164.65	51.99	
22 11 16 00-1120	EA	2" 125 LB Cast Bronze, Screwed, Reducing Tee	210.10	55.73	
22 11 16 00-1121	EA	2-1/2" 125 LB Cast Bronze, Screwed, Reducing Tee	353.95	69.72	
22 11 16 00-1122	EA	3" 125 LB Cast Bronze, Screwed, Reducing Tee	657.99	83.63	
22 11 16 00-1123	EA	4" 125 LB Cast Bronze, Screwed, Reducing Tee	1,014.96	111.45	
22 11 16 00-1124 125 LB Cast Bronze, Screwed, Crosses (22 11 16 00-1063)					
22 11 16 00-1125	EA	1/2" 125 LB Cast Bronze, Screwed, Cross	109.56	46.48	
22 11 16 00-1126	EA	3/4" 125 LB Cast Bronze, Screwed, Cross	125.96	51.06	
22 11 16 00-1127	EA	1" 125 LB Cast Bronze, Screwed, Cross	157.62	60.39	
22 11 16 00-1128	EA	1-1/4" 125 LB Cast Bronze, Screwed, Cross	192.40	65.05	
22 11 16 00-1129	EA	1-1/2" 125 LB Cast Bronze, Screwed, Cross	225.23	69.72	
22 11 16 00-1130	EA	2" 125 LB Cast Bronze, Screwed, Cross	320.32	74.30	
22 11 16 00-1131	EA	2-1/2" 125 LB Cast Bronze, Screwed, Cross	510.58	92.88	
22 11 16 00-1132	EA	3" 125 LB Cast Bronze, Screwed, Cross	699.37	111.45	
22 11 16 00-1133	EA	4" 125 LB Cast Bronze, Screwed, Cross	1,271.63	148.69	
22 11 16 00-1134 125 LB Cast Bronze, Screwed, Caps (22 11 16 00-1063)					
22 11 16 00-1135	EA	1/2" 125 LB Cast Bronze, Screwed, Cap	41.90	18.58	
22 11 16 00-1136	EA	3/4" 125 LB Cast Bronze, Screwed, Cap	47.76	20.90	
22 11 16 00-1137	EA	1" 125 LB Cast Bronze, Screwed, Cap	59.10	24.17	
22 11 16 00-1138	EA	1-1/4" 125 LB Cast Bronze, Screwed, Cap	71.96	26.51	
22 11 16 00-1139	EA	1-1/2" 125 LB Cast Bronze, Screwed, Cap	81.65	28.38	
22 11 16 00-1140	EA	2" 125 LB Cast Bronze, Screwed, Cap	103.17	30.24	
22 11 16 00-1141	EA	2-1/2" 125 LB Cast Bronze, Screwed, Cap	152.71	37.15	
22 11 16 00-1142	EA	3" 125 LB Cast Bronze, Screwed, Cap	214.12	46.48	
22 11 16 00-1143	EA	4" 125 LB Cast Bronze, Screwed, Cap	351.91	60.39	
22 11 16 00-1144 125 LB Cast Bronze, Screwed, Couplings (22 11 16 00-1063)					
22 11 16 00-1145	EA	1/2" 125 LB Cast Bronze, Screwed, Coupling	52.40	23.24	
22 11 16 00-1146	EA	3/4" 125 LB Cast Bronze, Screwed, Coupling	59.43	25.57	
22 11 16 00-1147	EA	1" 125 LB Cast Bronze, Screwed, Coupling	74.65	30.24	
22 11 16 00-1148	EA	1-1/4" 125 LB Cast Bronze, Screwed, Coupling	88.80	32.48	
22 11 16 00-1149	EA	1-1/2" 125 LB Cast Bronze, Screwed, Coupling	100.59	34.81	
22 11 16 00-1150	EA	2" 125 LB Cast Bronze, Screwed, Coupling	125.41	37.15	
22 11 16 00-1151	EA	2-1/2" 125 LB Cast Bronze, Screwed, Coupling	176.08	46.48	
22 11 16 00-1152	EA	3" 125 LB Cast Bronze, Screwed, Coupling	226.76	55.73	
22 11 16 00-1153	EA	4" 125 LB Cast Bronze, Screwed, Coupling	386.24	74.30	
22 11 16 00-1154 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducers (22 11 16 00-1063)					
22 11 16 00-1155	EA	1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	45.87	18.58	
22 11 16 00-1156	EA	3/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	52.33	20.90	
22 11 16 00-1157	EA	1" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	70.92	27.91	
22 11 16 00-1158	EA	1-1/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	84.08	30.24	
22 11 16 00-1159	EA	1-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	94.88	32.48	
22 11 16 00-1160	EA	2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	113.84	34.81	
22 11 16 00-1161	EA	2-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	164.54	44.15	
22 11 16 00-1162	EA	3" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	199.10	51.06	
22 11 16 00-1163	EA	4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	341.95	67.39	



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
22 11 16 00-1164	125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducers (22 11 16 00-1063)				
22 11 16 00-1165	EA 3/4" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	46.85		18.58	
22 11 16 00-1166	EA 1" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	83.01		25.57	
22 11 16 00-1167	EA 1-1/4" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	107.77		27.91	
22 11 16 00-1168	EA 1-1/2" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	125.67		30.24	
22 11 16 00-1169	EA 2" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	166.53		34.81	
22 11 16 00-1170	EA 2-1/2" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	254.38		44.15	
22 11 16 00-1171	EA 3" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	305.96		46.48	
22 11 16 00-1172	EA 4" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	348.91		60.39	
22 11 16 00-1173	125 LB Cast Bronze, FIP Threaded, Unions (22 11 16 00-1063)				
22 11 16 00-1174	EA 1/2" 125 LB Cast Bronze, FIP Threaded, Union.....	56.17		18.58	
	For 150 LB, Add	7.60			
22 11 16 00-1175	EA 3/4" 125 LB Cast Bronze, FIP Threaded, Union.....	67.01		20.44	
	For 150 LB, Add	10.45			
22 11 16 00-1176	EA 1" 125 LB Cast Bronze, FIP Threaded, Union	82.77		24.17	
	For 150 LB, Add	13.78			
22 11 16 00-1177	EA 1-1/4" 125 LB Cast Bronze, FIP Threaded, Union	101.91		26.04	
	For 150 LB, Add	19.95			
22 11 16 00-1178	EA 1-1/2" 125 LB Cast Bronze, FIP Threaded, Union	115.17		27.91	
	For 150 LB, Add	23.77			
22 11 16 00-1179	EA 2" 125 LB Cast Bronze, FIP Threaded, Union	135.77		31.54	
	For 150 LB, Add	29.04			
22 11 16 00-1180	EA 2-1/2" 125 LB Cast Bronze, FIP Threaded, Union	232.90		46.67	
	For 150 LB, Add	55.82			
	For 250 LB, Add	118.63			
	For 300 LB, Add	167.47			
22 11 16 00-1181	EA 3" 125 LB Cast Bronze, FIP Threaded, Union	338.36		61.37	
	For 150 LB, Add	86.25			
	For 250 LB, Add	183.28			
	For 300 LB, Add	258.74			
22 11 16 00-1182	EA 4" 125 LB Cast Bronze, FIP Threaded, Union	611.62		67.95	
	For 150 LB, Add	190.25			
	For 250 LB, Add	404.28			
	For 300 LB, Add	570.74			
22 11 16 00-1183	125 LB Cast Bronze, Screwed, Companion Flanges (22 11 16 00-1063)				
	Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.				
22 11 16 00-1184	EA 1/2" 125 LB Cast Bronze, Screwed, Companion Flange.....	151.77		23.24	
22 11 16 00-1185	EA 3/4" 125 LB Cast Bronze, Screwed, Companion Flange.....	165.92		27.91	
22 11 16 00-1186	EA 1" 125 LB Cast Bronze, Screwed, Companion Flange.....	190.30		32.48	
22 11 16 00-1187	EA 1-1/4" 125 LB Cast Bronze, Screwed, Companion Flange	216.56		34.81	
22 11 16 00-1188	EA 1-1/2" 125 LB Cast Bronze, Screwed, Companion Flange	255.74		37.15	
22 11 16 00-1189	EA 2" 125 LB Cast Bronze, Screwed, Companion Flange	320.91		39.48	
22 11 16 00-1190	EA 2-1/2" 125 LB Cast Bronze, Screwed, Companion Flange	403.95		46.48	
22 11 16 00-1191	EA 3" 125 LB Cast Bronze, Screwed, Companion Flange.....	500.61		58.06	
22 11 16 00-1192	EA 4" 125 LB Cast Bronze, Screwed, Companion Flange.....	713.37		81.30	
22 11 16 00-1193	125 LB Cast Bronze, Screwed, Square Head Plugs (22 11 16 00-1063)				
22 11 16 00-1194	EA 1/2" 125 LB Cast Bronze, Screwed, Square Head Plug.....	15.52			
22 11 16 00-1195	EA 3/4" 125 LB Cast Bronze, Screwed, Square Head Plug.....	15.88			
22 11 16 00-1196	EA 1" 125 LB Cast Bronze, Screwed, Square Head Plug	24.43			
22 11 16 00-1197	EA 1-1/4" 125 LB Cast Bronze, Screwed, Square Head Plug	28.02			
22 11 16 00-1198	EA 1-1/2" 125 LB Cast Bronze, Screwed, Square Head Plug	31.71			
22 11 16 00-1199	EA 2" 125 LB Cast Bronze, Screwed, Square Head Plug.....	47.40			
22 11 16 00-1200	EA 2-1/2" 125 LB Cast Bronze, Screwed, Square Head Plug	71.24			
22 11 16 00-1201	EA 3" 125 LB Cast Bronze, Screwed, Square Head Plug.....	103.76			
22 11 16 00-1202	EA 4" 125 LB Cast Bronze, Screwed, Square Head Plug.....	173.89			
22 11 16 00-1203	125 LB Cast Bronze, Screwed, Counter Sunk Plugs (22 11 16 00-1063)				
22 11 16 00-1204	EA 1/2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug.....	5.95			
22 11 16 00-1205	EA 3/4" 125 LB Cast Bronze, Screwed, Counter Sunk Plug.....	7.12			
22 11 16 00-1206	EA 1" 125 LB Cast Bronze, Screwed, Counter Sunk Plug.....	10.71			
22 11 16 00-1207	EA 1-1/4" 125 LB Cast Bronze, Screwed, Counter Sunk Plug.....	16.65			
22 11 16 00-1208	EA 1-1/2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug.....	26.36			
22 11 16 00-1209	EA 2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug.....	40.85			
22 11 16 00-1210	EA 2-1/2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug.....	79.51			
22 11 16 00-1211	EA 3" 125 LB Cast Bronze, Screwed, Counter Sunk Plug.....	128.76			
22 11 16 00-1212	EA 4" 125 LB Cast Bronze, Screwed, Counter Sunk Plug.....	314.04			
22 11 16 00-1213	125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushings (22 11 16 00-1063)				
22 11 16 00-1214	EA 1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	4.74			
22 11 16 00-1215	EA 3/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	5.95			
22 11 16 00-1216	EA 1" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	8.33			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1217 EA 1-1/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	14.26	
22 11 16 00-1218 EA 1-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	20.22	
22 11 16 00-1219 EA 2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	24.98	
22 11 16 00-1220 EA 2-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	62.97	
22 11 16 00-1221 EA 3" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	92.69	
22 11 16 00-1222 EA 4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	203.04	
22 11 16 00-1223 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushings (22 11 16 00-1063)		
22 11 16 00-1224 EA 1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	8.33	
22 11 16 00-1225 EA 3/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	11.87	
22 11 16 00-1226 EA 1" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	20.69	
22 11 16 00-1227 EA 1-1/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	28.10	
22 11 16 00-1228 EA 1-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	35.12	
22 11 16 00-1229 EA 2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	44.25	
22 11 16 00-1230 EA 2-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	90.35	
22 11 16 00-1231 EA 3" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	142.95	
22 11 16 00-1232 EA 4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	300.40	
22 11 16 00-1233 1/2" Red Brass Pipe Nipples (22 11 16 00-1063)		
Note: Threaded both ends.		
22 11 16 00-1234 EA 1/2" x Close, Red Brass Pipe Nipple.....	7.59	
22 11 16 00-1235 EA 1/2" x 1-1/2" Long, Red Brass Pipe Nipple.....	8.89	
22 11 16 00-1236 EA 1/2" x 2" Long, Red Brass Pipe Nipple.....	10.89	
22 11 16 00-1237 EA 1/2" x 2-1/2" Long, Red Brass Pipe Nipple.....	12.93	
22 11 16 00-1238 EA 1/2" x 3" Long, Red Brass Pipe Nipple.....	14.98	
22 11 16 00-1239 EA 1/2" x 3-1/2" Long, Red Brass Pipe Nipple.....	17.68	
22 11 16 00-1240 EA 1/2" x 4" Long, Red Brass Pipe Nipple.....	19.83	
22 11 16 00-1241 EA 1/2" x 4-1/2" Long, Red Brass Pipe Nipple.....	21.77	
22 11 16 00-1242 EA 1/2" x 5" Long, Red Brass Pipe Nipple.....	23.82	
22 11 16 00-1243 EA 1/2" x 5-1/2" Long, Red Brass Pipe Nipple.....	26.07	
22 11 16 00-1244 EA 1/2" x 6" Long, Red Brass Pipe Nipple.....	28.07	
22 11 16 00-1245 3/4" Red Brass Pipe Nipples (22 11 16 00-1063)		
Note: Threaded both ends.		
22 11 16 00-1246 EA 3/4" x Close, Red Brass Pipe Nipple.....	11.09	
22 11 16 00-1247 EA 3/4" x 1-1/2" Long, Red Brass Pipe Nipple.....	11.69	
22 11 16 00-1248 EA 3/4" x 2" Long, Red Brass Pipe Nipple.....	14.13	
22 11 16 00-1249 EA 3/4" x 2-1/2" Long, Red Brass Pipe Nipple.....	16.63	
22 11 16 00-1250 EA 3/4" x 3" Long, Red Brass Pipe Nipple.....	18.88	
22 11 16 00-1251 EA 3/4" x 3-1/2" Long, Red Brass Pipe Nipple.....	21.67	
22 11 16 00-1252 EA 3/4" x 4" Long, Red Brass Pipe Nipple.....	24.37	
22 11 16 00-1253 EA 3/4" x 4-1/2" Long, Red Brass Pipe Nipple.....	27.37	
22 11 16 00-1254 EA 3/4" x 5" Long, Red Brass Pipe Nipple.....	29.86	
22 11 16 00-1255 EA 3/4" x 5-1/2" Long, Red Brass Pipe Nipple.....	34.41	
22 11 16 00-1256 EA 3/4" x 6" Long, Red Brass Pipe Nipple.....	36.16	
22 11 16 00-1257 1" Red Brass Pipe Nipples (22 11 16 00-1063)		
Note: Threaded both ends.		
22 11 16 00-1258 EA 1" x Close, Red Brass Pipe Nipple.....	16.88	
22 11 16 00-1259 EA 1" x 1-1/2" Long, Red Brass Pipe Nipple.....	18.57	
22 11 16 00-1260 EA 1" x 2" Long, Red Brass Pipe Nipple.....	20.27	
22 11 16 00-1261 EA 1" x 2-1/2" Long, Red Brass Pipe Nipple.....	24.12	
22 11 16 00-1262 EA 1" x 3" Long, Red Brass Pipe Nipple.....	27.27	
22 11 16 00-1263 EA 1" x 3-1/2" Long, Red Brass Pipe Nipple.....	32.11	
22 11 16 00-1264 EA 1" x 4" Long, Red Brass Pipe Nipple.....	35.96	
22 11 16 00-1265 EA 1" x 4-1/2" Long, Red Brass Pipe Nipple.....	39.75	
22 11 16 00-1266 EA 1" x 5" Long, Red Brass Pipe Nipple.....	43.65	
22 11 16 00-1267 EA 1" x 5-1/2" Long, Red Brass Pipe Nipple.....	47.74	
22 11 16 00-1268 EA 1" x 6" Long, Red Brass Pipe Nipple.....	51.54	
22 11 16 00-1269 1-1/4" Red Brass Pipe Nipples (22 11 16 00-1063)		
Note: Threaded both ends.		
22 11 16 00-1270 EA 1-1/4" x Close, Red Brass Pipe Nipple.....	24.97	
22 11 16 00-1271 EA 1-1/4" x 1-1/2" Long, Red Brass Pipe Nipple.....	26.61	
22 11 16 00-1272 EA 1-1/4" x 2" Long, Red Brass Pipe Nipple.....	28.61	
22 11 16 00-1273 EA 1-1/4" x 2-1/2" Long, Red Brass Pipe Nipple.....	34.46	
22 11 16 00-1274 EA 1-1/4" x 3" Long, Red Brass Pipe Nipple.....	40.25	
22 11 16 00-1275 EA 1-1/4" x 3-1/2" Long, Red Brass Pipe Nipple.....	47.24	
22 11 16 00-1276 EA 1-1/4" x 4" Long, Red Brass Pipe Nipple.....	53.03	
22 11 16 00-1277 EA 1-1/4" x 4-1/2" Long, Red Brass Pipe Nipple.....	58.83	
22 11 16 00-1278 EA 1-1/4" x 5" Long, Red Brass Pipe Nipple.....	64.67	
22 11 16 00-1279 EA 1-1/4" x 5-1/2" Long, Red Brass Pipe Nipple.....	70.76	
22 11 16 00-1280 EA 1-1/4" x 6" Long, Red Brass Pipe Nipple.....	76.55	



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1281		1-1/2" Red Brass Pipe Nipples (22 11 16 00-1063) Note: Threaded both ends.		
22 11 16 00-1282	EA	1-1/2" x Close, Red Brass Pipe Nipple.....	31.06	
22 11 16 00-1283	EA	1-1/2" x 1-1/2" Long, Red Brass Pipe Nipple	32.41	
22 11 16 00-1284	EA	1-1/2" x 2" Long, Red Brass Pipe Nipple.....	33.76	
22 11 16 00-1285	EA	1-1/2" x 2-1/2" Long, Red Brass Pipe Nipple	41.05	
22 11 16 00-1286	EA	1-1/2" x 3" Long, Red Brass Pipe Nipple.....	46.54	
22 11 16 00-1287	EA	1-1/2" x 3-1/2" Long, Red Brass Pipe Nipple	54.73	
22 11 16 00-1288	EA	1-1/2" x 4" Long, Red Brass Pipe Nipple.....	61.62	
22 11 16 00-1289	EA	1-1/2" x 4-1/2" Long, Red Brass Pipe Nipple	68.76	
22 11 16 00-1290	EA	1-1/2" x 5" Long, Red Brass Pipe Nipple.....	75.66	
22 11 16 00-1291	EA	1-1/2" x 5-1/2" Long, Red Brass Pipe Nipple	82.40	
22 11 16 00-1292	EA	1-1/2" x 6" Long, Red Brass Pipe Nipple.....	89.14	
22 11 16 00-1293		2" Red Brass Pipe Nipples (22 11 16 00-1063) Note: Threaded both ends.		
22 11 16 00-1294	EA	2" x Close, Red Brass Pipe Nipple.....	47.74	
22 11 16 00-1295	EA	2" x 1-1/2" Long, Red Brass Pipe Nipple.....	49.41	
22 11 16 00-1296	EA	2" x 2" Long, Red Brass Pipe Nipple.....	51.06	
22 11 16 00-1297	EA	2" x 2-1/2" Long, Red Brass Pipe Nipple.....	52.73	
22 11 16 00-1298	EA	2" x 3" Long, Red Brass Pipe Nipple.....	59.73	
22 11 16 00-1299	EA	2" x 3-1/2" Long, Red Brass Pipe Nipple.....	70.41	
22 11 16 00-1300	EA	2" x 4" Long, Red Brass Pipe Nipple.....	79.10	
22 11 16 00-1301	EA	2" x 4-1/2" Long, Red Brass Pipe Nipple.....	87.79	
22 11 16 00-1302	EA	2" x 5" Long, Red Brass Pipe Nipple.....	95.63	
22 11 16 00-1303	EA	2" x 5-1/2" Long, Red Brass Pipe Nipple.....	105.47	
22 11 16 00-1304	EA	2" x 6" Long, Red Brass Pipe Nipple.....	114.11	
22 11 16 00-1305		Cross-Linked Polyethylene Tubing, ASTM F877 (22 11 16) Note: Aboveground, domestic water usage.		
22 11 16 00-1306		Cross-Linked Polyethylene Tubing (22 11 16 00-1305)		
22 11 16 00-1307	LF	3/8" Cross-Linked Polyethylene Tubing	3.52	
		For Work In Restricted Working Space, Add	0.88	
22 11 16 00-1308	LF	1/2" Cross-Linked Polyethylene Tubing	3.83	
		For Work In Restricted Working Space, Add	0.95	
22 11 16 00-1309	LF	3/4" Cross-Linked Polyethylene Tubing	4.64	
		For Work In Restricted Working Space, Add	1.03	
22 11 16 00-1310	LF	1" Cross-Linked Polyethylene Tubing	5.69	
		For Work In Restricted Working Space, Add	1.09	
22 11 16 00-1311		Cross-Linked Polyethylene Forged Brass PEX Fittings (22 11 16 00-1305) Note: Aboveground, domestic water usage.		
22 11 16 00-1312		Male Adapters (22 11 16 00-1311)		
22 11 16 00-1313	EA	3/8" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	20.53	
		For Work In Restricted Working Space, Add	4.56	
22 11 16 00-1314	EA	1/2" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	22.18	
		For Work In Restricted Working Space, Add	4.87	
22 11 16 00-1315	EA	1/2" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	24.42	
		For Work In Restricted Working Space, Add	5.17	
22 11 16 00-1316	EA	3/4" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	25.44	
		For Work In Restricted Working Space, Add	5.47	
22 11 16 00-1317	EA	3/4" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	24.42	
		For Work In Restricted Working Space, Add	5.17	
22 11 16 00-1318	EA	1" x 1", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	32.96	
		For Work In Restricted Working Space, Add	6.08	
22 11 16 00-1319		Female Adapters (22 11 16 00-1311)		
22 11 16 00-1320	EA	1/2" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	22.80	
		For Work In Restricted Working Space, Add	4.87	
22 11 16 00-1321	EA	1/2" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	26.14	
		For Work In Restricted Working Space, Add	5.17	
22 11 16 00-1322	EA	3/4" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	27.16	
		For Work In Restricted Working Space, Add	5.47	
22 11 16 00-1323	EA	3/4" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	26.14	
		For Work In Restricted Working Space, Add	5.17	
22 11 16 00-1324	EA	1" x 1", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	33.74	
		For Work In Restricted Working Space, Add	6.08	
22 11 16 00-1325		Tube Adapters (22 11 16 00-1311)		
22 11 16 00-1326	EA	3/8" x 1/2" Forged Brass Tube Adapter For PEX Tubing	18.00	
		For Work In Restricted Working Space, Add	4.56	
22 11 16 00-1327	EA	1/2" Forged Brass Tube Adapter For PEX Tubing	19.02	
		For Work In Restricted Working Space, Add	4.87	
22 11 16 00-1328	EA	3/4" Forged Brass Tube Adapter For PEX Tubing	23.42	
		For Work In Restricted Working Space, Add	5.47	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1329	EA	1"	Forged Brass Tube Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	31.37 6.08	
22 11 16 00-1330 Plugs (22 11 16 00-1311)					
22 11 16 00-1331	EA	3/8"	Forged Brass Plug For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	9.28 2.13	
22 11 16 00-1332	EA	1/2"	Forged Brass Plug For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	10.28 2.43	
22 11 16 00-1333	EA	3/4"	Forged Brass Plug For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	11.92 2.74	
22 11 16 00-1334	EA	1"	Forged Brass Plug For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	15.32 3.04	
22 11 16 00-1335 Tees (22 11 16 00-1311)					
22 11 16 00-1336	EA	3/8"	Forged Brass Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	25.85 6.39	
22 11 16 00-1337	EA	1/2"	Forged Brass Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	28.88 7.30	
22 11 16 00-1338	EA	3/4"	Forged Brass Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	35.03 8.21	
22 11 16 00-1339	EA	1"	Forged Brass Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	46.84 9.12	
22 11 16 00-1340	EA	1/2"	Forged Brass Reducing Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	27.87 6.99	
22 11 16 00-1341	EA	3/4"	Forged Brass Reducing Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	33.01 7.60	
22 11 16 00-1342	EA	1"	Forged Brass Reducing Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	42.55 8.21	
22 11 16 00-1343 Couplings (22 11 16 00-1311)					
22 11 16 00-1344	EA	3/8"	Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	16.53 4.26	
22 11 16 00-1345	EA	1/2"	Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	18.71 4.87	
22 11 16 00-1346	EA	3/4"	Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	21.51 5.47	
22 11 16 00-1347	EA	1"	Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	27.16 6.08	
22 11 16 00-1348	EA	3/4" x 1/2"	Forged Brass Reducing Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	20.49 5.17	
22 11 16 00-1349	EA	1" x 3/4"	Forged Brass Reducing Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	26.15 5.78	
22 11 16 00-1350 Fitting Reducers (22 11 16 00-1311)					
22 11 16 00-1351	EA	3/8" x 1/2"	Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	18.47 4.56	
22 11 16 00-1352	EA	1/2"	Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	19.49 4.87	
22 11 16 00-1353	EA	3/4"	Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	24.35 5.47	
22 11 16 00-1354	EA	1"	Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	36.70 6.08	
22 11 16 00-1355 90 Degree Elbows (22 11 16 00-1311)					
22 11 16 00-1356	EA	3/8"	Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	17.93 4.26	
22 11 16 00-1357	EA	1/2"	Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	19.96 4.87	
22 11 16 00-1358	EA	3/4"	Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	24.35 5.47	
22 11 16 00-1359	EA	3/4" x 1/2"	Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	23.33 5.17	
22 11 16 00-1360	EA	1/2"	Drop 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	29.69 4.87	
22 11 16 00-1361	EA	3/4"	Forged Brass Drop 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	33.11 5.47	
22 11 16 00-1362	EA	3/4" x 1/2"	Forged Brass Drop 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	32.09 5.17	
22 11 19 Domestic Water Piping Specialties (22 11)					
22 11 19 00-0001 Rubber Hose And Clamps (22 11 19)					
22 11 19 00-0002 General Purpose Hose (22 11 19 00-0001)					
Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.					
22 11 19 00-0003	LF	3/8"	Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	4.97	2.01
22 11 19 00-0004	LF	1/2"	Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	5.60	2.01



	Plumbing	22	
	Plumbing Piping	22 10	22
	Facility Water Distribution	22 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0005 LF 5/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	6.44	2.01
22 11 19 00-0006 LF 3/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	6.48	2.01
22 11 19 00-0007 LF 1" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	8.13	3.03
22 11 19 00-0008 LF 1-1/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	11.97	3.03
22 11 19 00-0009 LF 1-1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	13.09	4.03
22 11 19 00-0010 LF 2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	22.46	4.03
22 11 19 00-0011 Reinforced EPDM Water Hose Assembly (22 11 19 00-0001) Note: Includes male/female camlock, 150 psi, synthetic fiber with steel wire helix reinforcement.		
22 11 19 00-0012 LF 1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	28.38	4.03
22 11 19 00-0013 LF 2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	33.20	4.03
22 11 19 00-0014 LF 3" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	46.55	4.95
22 11 19 00-0015 LF 4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	64.55	6.70
22 11 19 00-0016 Chemical Resistant Rubber Hoses (22 11 19 00-0001)		
22 11 19 00-0017 EA 50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose	1,041.16	220.50
22 11 19 00-0018 EA 50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose	1,434.37	220.50
22 11 19 00-0019 Water Pump Hose (22 11 19 00-0001)		
22 11 19 00-0020 EA 2" Inside Diameter, 20' Rubber Discharge Hose	285.92	61.55
22 11 19 00-0021 EA 2" Inside Diameter, 20' Rubber Intake Hose	298.52	61.55
22 11 19 00-0022 Barbed Hose x Threaded Male Pipe, Steel Coupling (22 11 19 00-0001)		
22 11 19 00-0023 EA 3/8" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling	24.31	8.46
22 11 19 00-0024 EA 1/2" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling	25.83	9.07
22 11 19 00-0025 EA 5/8" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling	27.63	9.67
22 11 19 00-0026 EA 3/4" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling	31.20	10.87
22 11 19 00-0027 EA 1" Inside Diameter Barbed Hose x 1" Threaded Male Pipe, Steel Coupling	37.68	13.30
22 11 19 00-0028 EA 1-1/4" Inside Diameter Barbed Hose x 1-1/4" Threaded Male Pipe, Steel Coupling	44.74	15.92
22 11 19 00-0029 EA 1-1/2" Inside Diameter Barbed Hose x 1-1/2" Threaded Male Pipe, Steel Coupling	57.86	20.95
22 11 19 00-0030 EA 2" Inside Diameter Barbed Hose x 2" Threaded Male Pipe, Steel Coupling	72.75	26.19
22 11 19 00-0031 Worm-Drive Hose Clamp (22 11 19 00-0001)		
22 11 19 00-0032 EA 3/8" To 1" Diameter Worm Drive Hose Clamp	10.31	3.03
22 11 19 00-0033 EA 1/2" To 1-1/8" Diameter Worm Drive Hose Clamp	10.91	3.03
22 11 19 00-0034 EA 5/8" To 1-1/2" Diameter Worm Drive Hose Clamp	11.57	3.03
22 11 19 00-0035 EA 3/4" To 2" Diameter Worm Drive Hose Clamp	12.32	3.03
22 11 19 00-0036 EA 1" To 2-1/2" Diameter Worm Drive Hose Clamp	13.17	3.03
22 11 19 00-0037 EA 1-1/4" To 2-3/4" Diameter Worm Drive Hose Clamp	14.24	4.03
22 11 19 00-0038 EA 1-1/2" To 3" Diameter Worm Drive Hose Clamp	15.38	4.03
22 11 19 00-0039 Trap Primer And Accessories (22 11 19)		
22 11 19 00-0040 Trap Primer (22 11 19 00-0039)		
22 11 19 00-0041 EA 1/2" Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699)	251.90	15.20
22 11 19 00-0042 EA 1/2" Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500)	154.58	10.14
22 11 19 00-0043 EA 1/2" Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500)	149.73	10.14
22 11 19 00-0044 Trap Primer Distribution Unit (22 11 19 00-0039)		
22 11 19 00-0045 EA Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U)	130.78	20.27
Note: Can be used for two, three or four drains.		
22 11 19 00-0046 EA Copper Four Opening Trap Primer Distribution Unit (PPP DU-4)	143.82	20.27
Note: Can be used for two, three or four drains.		
22 11 19 00-0047 Trap Primer Manifold (22 11 19 00-0039)		
22 11 19 00-0048 EA Two Outlet Manifold	202.37	27.26
22 11 19 00-0049 EA Four Outlet Manifold	305.81	31.01
22 11 19 00-0050 EA Six Outlet Manifold	406.77	32.84
22 11 19 00-0051 EA Eight Outlet Manifold	511.61	38.51
22 11 19 00-0052 Sewage Air Release Valves (22 11 19)		
22 11 19 00-0053 Cast Iron, Sewage Air Release Valves (22 11 19 00-0052) Note: Stainless steel float.		
22 11 19 00-0054 EA 2" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	844.47	37.01
For Back Flush Attachment, Add	650.00	
22 11 19 00-0055 EA 3" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	1,036.31	61.85
For Back Flush Attachment, Add	650.00	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0056	EA	4" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400) <i>For Back Flush Attachment, Add</i>	1,314.10 650.00	78.08
22 11 19 00-0057		Cast Iron, Sewage Air Vacuum Valves (22 11 19 00-0052)		
		Note: Stainless steel float.		
22 11 19 00-0058	EA	2" x 1" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 401) <i>For Back Flush Attachment, Add</i>	862.81 650.00	37.01
22 11 19 00-0059	EA	2" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 402) <i>For Back Flush Attachment, Add</i>	1,692.88 650.00	37.01
22 11 19 00-0060	EA	3" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 403) <i>For Back Flush Attachment, Add</i>	2,031.48 650.00	61.85
22 11 19 00-0061	EA	4" NPT x 4" With Hood, Cast Iron, Sewage Air Vacuum Valve (Apco 404).....	3,008.63	78.08
22 11 19 00-0062		Cast Iron, Sewage Combination Air Valves (22 11 19 00-0052)		
		Note: Stainless steel float.		
22 11 19 00-0063	EA	2" x 1" NPT, Sewage Combination Air Valve (Apco 443).....	1,844.22	37.01
22 11 19 00-0064	EA	2" x 2" NPT, Sewage Combination Air Valve (Apco 445).....	2,543.68	37.01
22 11 19 00-0065	EA	3" x 3" NPT, Sewage Combination Air Valve (Apco 447).....	2,976.19	61.85
22 11 19 00-0066	EA	4" x 4" NPT, Sewage Combination Air Valve (Apco 449).....	3,639.21	78.08
22 11 19 00-0067		Brass, Anti Siphon Vacuum Breakers (22 11 19)		
		Note: Watts 288A		
22 11 19 00-0068	EA	1/2" Brass, Anti Siphon Vacuum Breaker.....	91.96	25.34
22 11 19 00-0069	EA	3/4" Brass, Anti Siphon Vacuum Breaker.....	105.58	28.38
22 11 19 00-0070	EA	1" Brass, Anti Siphon Vacuum Breaker.....	214.62	32.43
22 11 19 00-0071	EA	1-1/4" Brass, Anti Siphon Vacuum Breaker.....	340.43	37.50
22 11 19 00-0072	EA	1-1/2" Brass, Anti Siphon Vacuum Breaker.....	406.57	41.55
22 11 19 00-0073	EA	2" Brass, Anti Siphon Vacuum Breaker.....	594.29	50.68
22 11 19 00-0074	EA	2-1/2" Brass, Anti Siphon Vacuum Breaker.....	1,553.83	63.35
22 11 19 00-0075		Anti Siphon Pressure Vacuum Breakers (22 11 19)		
		Note: Watts 800M4QT		
22 11 19 00-0076	EA	1/2" Anti Siphon Pressure Type Vacuum Breaker.....	266.82	25.34
22 11 19 00-0077	EA	3/4" Anti Siphon Pressure Type Vacuum Breaker.....	233.65	28.38
22 11 19 00-0078	EA	1" Anti Siphon Pressure Type Vacuum Breaker.....	333.55	32.43
22 11 19 00-0079	EA	1-1/4" Anti Siphon Pressure Type Vacuum Breaker.....	602.10	37.50
22 11 19 00-0080	EA	1-1/2" Anti Siphon Pressure Type Vacuum Breaker.....	733.10	41.55
22 11 19 00-0081	EA	2" Anti Siphon Pressure Type Vacuum Breaker.....	740.56	50.68
22 11 19 00-0082		Bellows Type Water Hammer Arrestors (22 11 19)		
22 11 19 00-0083	EA	Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005).....	243.82	12.12
22 11 19 00-0084	EA	>11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010).....	476.18	14.66
22 11 19 00-0085	EA	>32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020).....	697.69	14.66
22 11 19 00-0086	EA	>60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030).....	1,705.00	14.66
22 11 19 00-0087	EA	>113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040).....	1,920.76	14.66
22 11 19 00-0088	EA	>154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050).....	2,353.56	14.66
22 11 19 00-0089		Piston Type Water Hammer Arrestors (22 11 19)		
22 11 19 00-0090		Threaded Piston Type Water Hammer Arrestors (22 11 19 00-0089)		
22 11 19 00-0091	EA	Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A).....	147.20	6.75
22 11 19 00-0092	EA	>11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B).....	282.97	7.79
22 11 19 00-0093	EA	>32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C).....	420.67	8.45
22 11 19 00-0094	EA	>60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D).....	1,035.31	10.90
22 11 19 00-0095	EA	>113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E).....	1,260.95	13.52
22 11 19 00-0096	EA	>154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F).....	1,434.90	14.66
22 11 19 00-0097		Escutcheons (22 11 19)		
22 11 19 00-0098		Brass Escutcheons (22 11 19 00-0097)		
22 11 19 00-0099		Shallow Brass Escutcheons (22 11 19 00-0098)		
22 11 19 00-0100	EA	3/8" IPS, Antique Or Polished Brass Shallow Escutcheon.....	11.36	2.53
22 11 19 00-0101	EA	1/2" IPS, Antique Or Polished Brass Shallow Escutcheon.....	12.23	2.53



		Plumbing	22	22
		Plumbing Piping	22 10	
		Facility Water Distribution	22 11	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
22 11 19 00-0102 Deep Bell Brass Escutcheons (22 11 19 00-0098)					
22 11 19 00-0103	EA	3/8" IPS, Antique Or Polished Deep Bell Brass Escutcheon	13.37		2.84
22 11 19 00-0104	EA	1/2" IPS, Antique Or Polished Deep Bell Brass Escutcheon	13.40		2.84
22 11 19 00-0105 Chrome Plated Brass Escutcheons With Setscrew (22 11 19 00-0098)					
22 11 19 00-0106	EA	3/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	22.43		2.53
22 11 19 00-0107	EA	1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	22.68		2.53
22 11 19 00-0108	EA	5/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	23.05		2.53
22 11 19 00-0109	EA	3/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	24.40		2.53
22 11 19 00-0110	EA	7/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	24.73		3.04
22 11 19 00-0111	EA	1" IPS, Chrome Plated Brass Escutcheon With Setscrew	26.04		3.04
22 11 19 00-0112	EA	1-1/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	26.92		3.35
22 11 19 00-0113	EA	1-1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	28.10		3.55
22 11 19 00-0114	EA	2" IPS, Chrome Plated Brass Escutcheon With Setscrew	40.82		4.05
22 11 19 00-0115 Plastic Escutcheons (22 11 19 00-0097)					
22 11 19 00-0116 Split-Ring White Plastic Escutcheons (22 11 19 00-0115)					
22 11 19 00-0117	EA	3/8" IPS, Split-Ring White Plastic Escutcheon	5.67		2.52
22 11 19 00-0118	EA	1/2" IPS, Split-Ring White Plastic Escutcheon	5.67		2.52
22 11 19 00-0119	EA	3/4" IPS, Split-Ring White Plastic Escutcheon	6.46		2.82
22 11 19 00-0120	EA	1" IPS, Split-Ring White Plastic Escutcheon	7.02		3.03
22 11 19 00-0121	EA	1-1/4" IPS, Split-Ring White Plastic Escutcheon	7.57		3.33
22 11 19 00-0122	EA	1-1/2" IPS, Split-Ring White Plastic Escutcheon	8.13		3.53
22 11 19 00-0123	EA	2" IPS, Split-Ring White Plastic Escutcheon	9.20		4.03
22 11 19 00-0124	EA	2-1/2" IPS, Split-Ring White Plastic Escutcheon	11.02		4.33
22 11 19 00-0125	EA	3" IPS, Split-Ring White Plastic Escutcheon	12.84		4.53
22 11 19 00-0126	EA	4" IPS, Split-Ring White Plastic Escutcheon	15.15		5.04
22 11 19 00-0127 Chrome Plate Plastic Escutcheons (22 11 19 00-0115)					
22 11 19 00-0128	EA	1/2" IPS, Chrome Plate Plastic Escutcheon	6.74		2.52
22 11 19 00-0129	EA	3/4" IPS, Chrome Plate Plastic Escutcheon	7.38		2.82
22 11 19 00-0130	EA	1" IPS, Chrome Plate Plastic Escutcheon	8.20		3.03
22 11 19 00-0131	EA	1-1/4" IPS, Chrome Plate Plastic Escutcheon	9.03		3.33
22 11 19 00-0132	EA	1-1/2" IPS, Chrome Plate Plastic Escutcheon	9.59		3.53
22 11 19 00-0133	EA	2" IPS, Chrome Plate Plastic Escutcheon	11.70		4.03
22 11 19 00-0134	EA	2-1/2" IPS, Chrome Plate Plastic Escutcheon	15.51		4.33
22 11 19 00-0135	EA	3" IPS, Chrome Plate Plastic Escutcheon	16.16		4.53
22 11 19 00-0136	EA	4" IPS, Chrome Plate Plastic Escutcheon	17.44		5.04
22 11 19 00-0137 Stainless Steel Escutcheons (22 11 19 00-0097)					
22 11 19 00-0138 Shallow Stainless Steel Escutcheons (22 11 19 00-0137)					
22 11 19 00-0139	EA	3/8" IPS, Shallow Stainless Steel Escutcheon	13.36		2.53
22 11 19 00-0140	EA	1/2" IPS, Shallow Stainless Steel Escutcheon	13.36		2.53
22 11 19 00-0141	EA	3/4" IPS, Shallow Stainless Steel Escutcheon	18.44		2.84
22 11 19 00-0142 Chrome Plated Steel Escutcheons (22 11 19 00-0097)					
22 11 19 00-0143 Split-Ring Chrome Plated Steel Escutcheons (22 11 19 00-0142)					
22 11 19 00-0144	EA	1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	5.81		2.52
22 11 19 00-0145	EA	3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	6.31		2.82
22 11 19 00-0146	EA	1" IPS, Split-Ring Chrome Plated Steel Escutcheon	6.95		3.03
22 11 19 00-0147	EA	1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	7.45		3.33
22 11 19 00-0148	EA	1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	7.97		3.53
22 11 19 00-0149	EA	2" IPS, Split-Ring Chrome Plated Steel Escutcheon	9.20		4.03
22 11 19 00-0150	EA	2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	14.84		4.33
22 11 19 00-0151	EA	3" IPS, Split-Ring Chrome Plated Steel Escutcheon	15.77		4.53
22 11 19 00-0152	EA	3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	19.85		4.83
22 11 19 00-0153	EA	4" IPS, Split-Ring Chrome Plated Steel Escutcheon	17.14		5.04
22 11 19 00-0154	EA	5" IPS, Split-Ring Chrome Plated Steel Escutcheon	22.63		5.54
22 11 19 00-0155	EA	6" IPS, Split-Ring Chrome Plated Steel Escutcheon	26.62		6.04
22 11 19 00-0156 Split-Ring/Springs Chrome Plated Steel Escutcheons (22 11 19 00-0142)					
22 11 19 00-0157	EA	3/8" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	10.11		2.52
22 11 19 00-0158	EA	1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	10.11		2.52
22 11 19 00-0159	EA	3/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	10.77		2.82
22 11 19 00-0160	EA	1" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	9.43		3.03
22 11 19 00-0161	EA	1-1/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	12.89		3.33
22 11 19 00-0162	EA	1-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	13.63		3.53
22 11 19 00-0163	EA	2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	16.23		4.03
22 11 19 00-0164	EA	2-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	18.86		4.33
22 11 19 00-0165	EA	3" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	23.43		4.53



MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0166	EA	3-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	29.21	4.83	
22 11 19 00-0167	EA	4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	29.55	5.04	
22 11 19 00-0168	EA	5" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	50.32	5.54	
22 11 19 00-0169	EA	6" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	52.39	6.04	
22 11 19 00-0170		Deep Bell Chrome Plated Steel Escutcheons (22 11 19 00-0142)			
22 11 19 00-0171	EA	3/8" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	7.22	2.84	
22 11 19 00-0172	EA	1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	7.09	2.84	
22 11 19 00-0173	EA	3/4" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	6.83	2.84	
22 11 19 00-0174	EA	1" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	7.68	3.04	
22 11 19 00-0175	EA	1-1/4" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	8.35	3.35	
22 11 19 00-0176	EA	1-1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	9.23	3.55	
22 11 19 00-0177		Shallow Chrome Plated Steel Escutcheons (22 11 19 00-0142)			
22 11 19 00-0178	EA	3/8" IPS, Shallow Chrome Plated Steel Escutcheon.....	6.33	2.53	
22 11 19 00-0179	EA	1/2" IPS, Shallow Chrome Plated Steel Escutcheon.....	6.33	2.53	
22 11 19 00-0180	EA	3/4" IPS, Shallow Chrome Plated Steel Escutcheon.....	6.45	2.53	
22 11 19 00-0181	EA	1" IPS, Shallow Chrome Plated Steel Escutcheon.....	6.93	3.04	
22 11 19 00-0182	EA	1-1/4" IPS, Shallow Chrome Plated Steel Escutcheon.....	7.50	3.35	
22 11 19 00-0183	EA	1-1/2" IPS, Shallow Chrome Plated Steel Escutcheon.....	8.37	3.55	
22 11 19 00-0184	EA	2" IPS, Shallow Chrome Plated Steel Escutcheon.....	9.46	4.05	
22 11 19 00-0185		Wall Hydrants (22 11 19)			
Note: Female inlet connection, 3/4" hose thread outlet.					
22 11 19 00-0186		Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants (22 11 19 00-0185)			
Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.					
22 11 19 00-0187	EA	6" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	747.09	25.34	
		For Cast Bronze Box, Add	38.41		
		For 1" NPT Outlet, Add	90.52		
22 11 19 00-0188	EA	12" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	786.61	30.41	
		For Cast Bronze Box, Add	38.41		
		For 1" NPT Outlet, Add	90.52		
22 11 19 00-0189	EA	18" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	807.36	36.59	
		For Cast Bronze Box, Add	38.41		
		For 1" NPT Outlet, Add	90.52		
22 11 19 00-0190		Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants (22 11 19 00-0185)			
Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.					
22 11 19 00-0191	EA	Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	746.45	42.56	
		For Cast Bronze Box, Add	38.41		
		For 1" NPT Outlet, Add	90.52		
22 11 19 00-0192		Cast Bronze Non-Freezing Wall Hydrant (22 11 19 00-0185)			
Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.					
22 11 19 00-0193	EA	3" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	400.58	31.42	
		For 1" NPT Outlet, Add	90.52		
22 11 19 00-0194	EA	4" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	497.83	31.42	
		For 1" NPT Outlet, Add	90.52		
22 11 19 00-0195	EA	6" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	497.83	31.42	
		For 1" NPT Outlet, Add	90.52		
22 11 19 00-0196	EA	8" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	497.83	31.42	
		For 1" NPT Outlet, Add	90.52		
22 11 19 00-0197	EA	10" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	520.46	63.35	
		For 1" NPT Outlet, Add	90.52		
22 11 19 00-0198	EA	12" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	520.46	63.35	
		For 1" NPT Outlet, Add	90.52		
22 11 19 00-0199	EA	18" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	588.15	63.35	
		For 1" NPT Outlet, Add	90.52		
22 11 19 00-0200		Stainless Steel Box Type Wall Hydrants (22 11 19 00-0185)			
Note: With 3/4" NPT female and 3/4" NPT male inlet connection.					
22 11 19 00-0201	EA	Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8140).....	369.75	25.34	
22 11 19 00-0202	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8141).....	403.68	25.34	
22 11 19 00-0203	EA	Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8150).....	408.30	25.34	
22 11 19 00-0204	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8151).....	459.19	25.34	
22 11 19 00-0205	EA	Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8145).....	647.25	35.47	
Note: Includes hot and cold hose connections.					
22 11 19 00-0206	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8146).....	667.30	35.47	
Note: Includes hot and cold hose connections.					
22 11 19 00-0207	EA	Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8155).....	667.30	35.47	
Note: Includes hot and cold hose connections.					
22 11 19 00-0208	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8156).....	715.11	35.47	
Note: Includes hot and cold hose connections.					



Plumbing			22
Plumbing Piping			22 10
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0209 Washer Boxes And Dryer Outlets (22 11 19)		
22 11 19 00-0210 Dryer Vent Kit (22 11 19 00-0209) Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.		
22 11 19 00-0211 EA Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps	72.53	13.17
22 11 19 00-0212 Washer Boxes And Dryer Vents (22 11 19 00-0209) Note: Includes 1/2" supply valves and mounting brackets.		
22 11 19 00-0213 EA 2" Washing Machine Outlet Box, Plastic, Two 1/2" Supply Valves	243.03	20.27
22 11 19 00-0214 Ice Maker Outlet Box (22 11 19) Note: Includes one 1/2" quarter turn ball valve and connections wall mount.		
22 11 19 00-0215 EA Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount	128.29	20.27
22 11 19 00-0216 EA Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount	159.89	20.27
22 11 19 00-0217 EA Steel Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount	177.28	20.27
22 11 19 00-0218 Tempering Controllers For Potable Hot Water (22 11 19)		
22 11 19 00-0219 Point-Of-Use Thermostatic Mixing Valves (Bradley) (22 11 19 00-0218) Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.		
22 11 19 00-0220 EA 1/2" Inlets, 1/2" Outlet Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007)	379.01	24.53
22 11 19 00-0221 EA 1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004)	128.67	24.53
22 11 19 00-0222 EA 1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008)	218.61	24.53
22 11 19 00-0223 EA 3/4" Inlets, 3/4" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016)	252.26	33.05
22 11 19 00-0224 Thermostatic Mixing Valves (Bradley) (22 11 19 00-0219) Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.		
22 11 19 00-0225 EA 3/4" Inlets, 3/4" Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025)	1,020.98	35.38
22 11 19 00-0226 EA 3/4" Inlets, 1" Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045)	1,147.00	43.58
22 11 19 00-0227 EA 1" Inlets, 1-1/4" Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080)	1,378.48	50.70
22 11 19 00-0228 EA 1-1/4" Inlets, 1-1/2" Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130)	1,783.61	53.28
22 11 19 00-0229 EA 2" Inlets, 2" Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200)	2,393.96	69.13
22 11 19 00-0230 High Low Temperature Thermostatic Mixing Valves (Bradley) (22 11 19 00-0218) Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.		
22 11 19 00-0231 EA 3/4" Inlets, 1" Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045)	2,593.31	54.50
22 11 19 00-0232 EA 1" Inlets, 1-1/4" Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080)	3,373.32	63.37
22 11 19 00-0233 EA 1-1/4" Inlets, 1-1/2" Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130)	3,932.21	66.60
22 11 19 00-0234 EA 2" Inlets, 2" Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200)	4,359.65	86.41
22 11 19 00-0235 Thermostatic Mixing Valves (Leonard) (22 11 19 00-0218) Note: Thermostatic Water Mixing Valve with integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection		
22 11 19 00-0236 EA 3/4" In x 3/4" Out Thermostatic Mixing Valve (Leonard LV-981-RF) Note: For hot water or two pipe low pressure steam.	743.32	35.38
22 11 19 00-0237 EA 1" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-982-RF) Note: For hot water or two pipe low pressure steam.	875.66	43.58
22 11 19 00-0238 EA 1-1/4" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-983-RF) Note: For hot water or two pipe low pressure steam.	1,075.42	50.70
22 11 19 00-0239 EA 1-1/4" In x 1-1/2" Out Thermostatic Mixing Valve (Leonard LV-984-RF) Note: For hot water or two pipe low pressure steam.	1,312.49	53.30
22 11 19 00-0240 EA 2" In x 2" Out Thermostatic Mixing Valve (Leonard LV-985-RF) Note: For hot water or two pipe low pressure steam.	1,947.15	69.13
22 11 19 00-0241 Water Mixing/Self Operating Temperature Regulator (22 11 19 00-0218) Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.		
22 11 19 00-0242 EA 3/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,076.12	50.68
22 11 19 00-0243 EA 1" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,252.65	63.85
22 11 19 00-0244 EA 1-1/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,577.73	77.02
22 11 19 00-0245 EA 1-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,934.17	90.19
22 11 19 00-0246 EA 2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	4,686.85	118.58
22 11 19 00-0247 EA 2-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	5,546.01	135.25



MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0248	Thermostatic Mixing Valves (Holby) (22 11 19 00-0218)			
22 11 19 00-0249	EA	2-1/2" Thermostatic Mixing Valve (Holby HOLBY2500)	3,455.68	69.15
22 11 19 00-0250	Backflow Preventer Valves (22 11 19)			
22 11 19 00-0251	Double Check Valve Backflow Preventer Assemblies (22 11 19 00-0250)			
22 11 19 00-0252	Threaded Double Check Valve Assemblies (22 11 19 00-0251)			
22 11 19 00-0253	Double Check Valve Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0252) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).			
22 11 19 00-0254	EA	1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	330.89	27.16
		For Work In Restricted Working Space, Add	20.37	
		For Owner Furnished Material, Deduct	-262.99	
22 11 19 00-0255	EA	3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	393.17	38.51
		For Work In Restricted Working Space, Add	28.88	
		For Owner Furnished Material, Deduct	-296.89	
22 11 19 00-0256	EA	1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	454.40	47.03
		For Work In Restricted Working Space, Add	35.27	
		For Owner Furnished Material, Deduct	-336.84	
22 11 19 00-0257	EA	1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	631.70	54.73
		For Work In Restricted Working Space, Add	41.05	
		For Owner Furnished Material, Deduct	-494.88	
22 11 19 00-0258	EA	1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	780.08	62.83
		For Work In Restricted Working Space, Add	46.82	
		For Owner Furnished Material, Deduct	-624.01	
22 11 19 00-0259	EA	2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	902.28	81.07
		For Work In Restricted Working Space, Add	60.81	
		For Owner Furnished Material, Deduct	-699.59	
22 11 19 00-0260	Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer (22 11 19 00-0252) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).			
22 11 19 00-0261	EA	1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	406.14	27.16
		For Work In Restricted Working Space, Add	20.37	
		For Owner Furnished Material, Deduct	-338.24	
22 11 19 00-0262	EA	3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	503.38	38.51
		For Work In Restricted Working Space, Add	28.88	
		For Owner Furnished Material, Deduct	-407.10	
22 11 19 00-0263	EA	1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	589.53	47.03
		For Work In Restricted Working Space, Add	35.27	
		For Owner Furnished Material, Deduct	-471.97	
22 11 19 00-0264	EA	1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	824.23	54.73
		For Work In Restricted Working Space, Add	41.05	
		For Owner Furnished Material, Deduct	-687.41	
22 11 19 00-0265	EA	1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	1,006.84	62.83
		For Work In Restricted Working Space, Add	46.82	
		For Owner Furnished Material, Deduct	-850.77	
22 11 19 00-0266	EA	2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	1,215.35	81.07
		For Work In Restricted Working Space, Add	60.81	
		For Owner Furnished Material, Deduct	-1,012.66	
22 11 19 00-0267	Flanged Double Check Valve Assemblies (22 11 19 00-0251)			
22 11 19 00-0268	Double Check Valve Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0267) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 NRS series).			
22 11 19 00-0269	EA	2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS)	4,240.76	224.01
		For Work In Restricted Working Space, Add	89.61	
		For Owner Furnished Material, Deduct	-3,942.07	
22 11 19 00-0270	EA	3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS)	4,660.15	252.02
		For Work In Restricted Working Space, Add	99.41	
		For Owner Furnished Material, Deduct	-4,328.80	
22 11 19 00-0271	Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs (22 11 19 00-0267) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 OSY series).			
22 11 19 00-0272	EA	2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF007 OSY)	4,641.44	224.01
		For Work In Restricted Working Space, Add	89.61	
		For Owner Furnished Material, Deduct	-4,342.75	
22 11 19 00-0273	EA	3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY)	5,327.96	252.02
		For Work In Restricted Working Space, Add	99.41	
		For Owner Furnished Material, Deduct	-4,996.61	



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Plumbing Piping			22 10
Facility Water Distribution			22 11

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0274 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0267)</small>		
Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 NRS series).		
22 11 19 00-0275 EA 2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series).....	4,269.64	224.01
For Work In Restricted Working Space, Add	89.60	
For Owner Furnished Material, Deduct	-3,970.97	
22 11 19 00-0276 EA 3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series).....	3,275.05	252.02
For Work In Restricted Working Space, Add	99.41	
For Owner Furnished Material, Deduct	-2,943.69	
22 11 19 00-0277 EA 4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series).....	5,123.36	373.35
For Work In Restricted Working Space, Add	149.26	
For Owner Furnished Material, Deduct	-4,625.82	
22 11 19 00-0278 EA 6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series).....	7,846.48	559.34
For Work In Restricted Working Space, Add	303.13	
For Owner Furnished Material, Deduct	-6,836.06	
22 11 19 00-0279 EA 8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series).....	17,772.34	839.01
For Work In Restricted Working Space, Add	454.76	
For Owner Furnished Material, Deduct	-16,256.47	
22 11 19 00-0280 EA 10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series).....	22,799.19	992.37
For Work In Restricted Working Space, Add	541.30	
For Owner Furnished Material, Deduct	-20,994.87	
22 11 19 00-0281 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer <small>(22 11 19 00-0267)</small>		
Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).		
22 11 19 00-0282 EA 4" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series).....	5,969.55	373.35
For Work In Restricted Working Space, Add	149.25	
For Owner Furnished Material, Deduct	-5,472.05	
22 11 19 00-0283 EA 6" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series).....	9,973.02	559.34
For Work In Restricted Working Space, Add	303.13	
For Owner Furnished Material, Deduct	-8,962.60	
22 11 19 00-0284 EA 10" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series).....	26,427.07	992.37
For Work In Restricted Working Space, Add	541.30	
For Owner Furnished Material, Deduct	-24,622.75	
22 11 19 00-0285 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0267)</small>		
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 OSY series).		
22 11 19 00-0286 EA 2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	4,531.78	224.01
For Work In Restricted Working Space, Add	89.60	
For Owner Furnished Material, Deduct	-4,233.11	
22 11 19 00-0287 EA 3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series).....	4,980.10	252.02
For Work In Restricted Working Space, Add	99.41	
For Owner Furnished Material, Deduct	-4,648.75	
22 11 19 00-0288 EA 4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	5,430.32	373.35
For Work In Restricted Working Space, Add	149.25	
For Owner Furnished Material, Deduct	-4,932.82	
22 11 19 00-0289 EA 6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	9,151.71	559.34
For Work In Restricted Working Space, Add	303.13	
For Owner Furnished Material, Deduct	-8,141.29	
22 11 19 00-0290 EA 8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	18,856.07	839.01
For Work In Restricted Working Space, Add	454.69	
For Owner Furnished Material, Deduct	-17,340.44	
22 11 19 00-0291 EA 10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	24,197.83	992.37
For Work In Restricted Working Space, Add	541.30	
For Owner Furnished Material, Deduct	-22,393.51	
22 11 19 00-0292 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0267)</small>		
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).		
22 11 19 00-0293 EA 2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	2,720.82	224.01
For Work In Restricted Working Space, Add	89.60	
For Owner Furnished Material, Deduct	-2,422.15	
22 11 19 00-0294 EA 3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	2,995.86	252.02
For Work In Restricted Working Space, Add	99.41	
For Owner Furnished Material, Deduct	-2,664.51	
22 11 19 00-0295 EA 4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	3,404.36	373.35
For Work In Restricted Working Space, Add	149.25	
For Owner Furnished Material, Deduct	-2,906.66	
22 11 19 00-0296 EA 6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	5,555.71	559.34
For Work In Restricted Working Space, Add	303.13	
For Owner Furnished Material, Deduct	-4,545.29	
22 11 19 00-0297 EA 8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	10,502.05	839.01
For Work In Restricted Working Space, Add	454.69	
For Owner Furnished Material, Deduct	-8,986.42	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0298	EA	10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	11,420.42 541.30 -9,616.10	992.37
22 11 19 00-0299 N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0267)</small>				
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).				
22 11 19 00-0300	EA	2-1/2" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,580.25 89.60 -3,281.58	224.01
22 11 19 00-0301	EA	3" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,855.29 99.41 -3,523.94	252.02
22 11 19 00-0302	EA	4" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,840.60 149.25 -4,343.00	373.35
22 11 19 00-0303	EA	6" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,959.87 303.13 -6,949.45	559.34
22 11 19 00-0304	EA	8" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	14,065.26 454.69 -12,549.63	839.01
22 11 19 00-0305	EA	10" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	16,737.63 541.30 -14,933.31	992.37
22 11 19 00-0306 Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves <small>(22 11 19 00-0267)</small>				
Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).				
22 11 19 00-0307	EA	2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,549.88 89.60 -2,251.21	224.01
22 11 19 00-0308	EA	3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,832.69 99.41 -2,501.34	252.02
22 11 19 00-0309	EA	4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,248.87 149.25 -2,751.37	373.35
22 11 19 00-0310	EA	6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,433.56 303.13 -4,423.14	559.34
22 11 19 00-0311	EA	8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	10,384.33 454.69 -8,868.70	839.01
22 11 19 00-0312	EA	10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	11,749.09 541.30 -9,944.77	992.37
22 11 19 00-0313 N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0267)</small>				
Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).				
22 11 19 00-0314	EA	2-1/2" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,337.25 89.60 -3,038.58	224.01
22 11 19 00-0315	EA	3" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,612.29 99.41 -3,280.94	252.02
22 11 19 00-0316	EA	4" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,597.80 149.25 -4,100.30	373.35
22 11 19 00-0317	EA	6" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,701.37 303.13 -6,690.95	559.34
22 11 19 00-0318	EA	8" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	13,673.99 454.69 -12,158.36	839.01
22 11 19 00-0319	EA	10" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	16,345.22 541.30 -14,540.90	992.37



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0320 Double Check Valve Assemblies With Butterfly Shut-Off Valves (22 11 19 00-0267) Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).		
22 11 19 00-0321 EA 2-1/2" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	2,954.16	224.01
For Work In Restricted Working Space, Add	89.60	
For Owner Furnished Material, Deduct	-2,655.49	
22 11 19 00-0322 EA 3" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	3,229.19	252.02
For Work In Restricted Working Space, Add	99.41	
For Owner Furnished Material, Deduct	-2,897.84	
22 11 19 00-0323 EA 4" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	3,637.70	373.35
For Work In Restricted Working Space, Add	149.25	
For Owner Furnished Material, Deduct	-3,140.20	
22 11 19 00-0324 EA 6" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	5,794.92	559.34
For Work In Restricted Working Space, Add	303.13	
For Owner Furnished Material, Deduct	-4,784.50	
22 11 19 00-0325 EA 8" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	10,741.26	839.01
For Work In Restricted Working Space, Add	454.69	
For Owner Furnished Material, Deduct	-9,225.63	
22 11 19 00-0326 N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs (22 11 19 00-0267) Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).		
22 11 19 00-0327 EA 2-1/2" N-Pattern Flanged Double Check Assembly With Butterfly Valves (Watts 757 BFG series).....	3,813.59	224.01
For Work In Restricted Working Space, Add	89.60	
For Owner Furnished Material, Deduct	-3,514.92	
22 11 19 00-0328 EA 3" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	4,088.62	252.02
For Work In Restricted Working Space, Add	99.41	
For Owner Furnished Material, Deduct	-3,757.27	
22 11 19 00-0329 EA 4" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	5,073.84	373.35
For Work In Restricted Working Space, Add	149.25	
For Owner Furnished Material, Deduct	-4,576.34	
22 11 19 00-0330 EA 6" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	8,199.14	559.34
For Work In Restricted Working Space, Add	303.13	
For Owner Furnished Material, Deduct	-7,188.72	
22 11 19 00-0331 EA 8" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	10,741.26	839.01
For Work In Restricted Working Space, Add	454.69	
For Owner Furnished Material, Deduct	-9,225.63	
22 11 19 00-0332 Grooved Double Check Valve Assemblies (22 11 19 00-0251)		
22 11 19 00-0333 Double Check Valve Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0332) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).		
22 11 19 00-0334 EA 2-1/2" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series).....	2,549.88	119.48
For Work In Restricted Working Space, Add	89.60	
For Owner Furnished Material, Deduct	-2,251.21	
22 11 19 00-0335 EA 3" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series).....	2,832.69	132.54
For Work In Restricted Working Space, Add	99.41	
For Owner Furnished Material, Deduct	-2,501.34	
22 11 19 00-0336 N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0332) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).		
22 11 19 00-0337 EA 2-1/2" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series).....	3,337.25	119.48
For Work In Restricted Working Space, Add	89.60	
For Owner Furnished Material, Deduct	-3,038.58	
22 11 19 00-0338 EA 3" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series).....	3,612.29	132.54
For Work In Restricted Working Space, Add	99.41	
For Owner Furnished Material, Deduct	-3,280.94	
22 11 19 00-0339 Reduced Pressure Zone Backflow Preventer Assemblies (22 11 19 00-0250)		
22 11 19 00-0340 Threaded Reduced Pressure Zone Assemblies (22 11 19 00-0339)		
22 11 19 00-0341 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0340) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
22 11 19 00-0342 EA 1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series).....	364.66	23.51
For Work In Restricted Working Space, Add	17.63	
For Owner Furnished Material, Deduct	-305.88	
22 11 19 00-0343 EA 3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series).....	385.60	25.94
For Work In Restricted Working Space, Add	19.46	
For Owner Furnished Material, Deduct	-320.73	
22 11 19 00-0344 EA 1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series).....	447.83	27.16
For Work In Restricted Working Space, Add	20.37	
For Owner Furnished Material, Deduct	-379.93	
22 11 19 00-0345 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series).....	602.28	38.51
For Work In Restricted Working Space, Add	28.88	
For Owner Furnished Material, Deduct	-506.00	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0346	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) .....715.13 <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	35.27 -597.57	47.03
22 11 19 00-0347	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) .....1,074.23 <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	41.05 -937.41	54.73
22 11 19 00-0348	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) .....1,137.57 <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	46.82 -981.50	62.83
22 11 19 00-0349	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) .....1,367.39 <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	60.81 -1,164.70	81.07
22 11 19 00-0350 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer (22 11 19 00-0340) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).				
22 11 19 00-0351	EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) .....401.68 <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	17.63 -342.90	23.51
22 11 19 00-0352	EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) .....424.62 <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	19.46 -359.75	25.94
22 11 19 00-0353	EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) .....501.31 <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	20.37 -433.41	38.51
22 11 19 00-0354	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) .....686.32 <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	28.88 -590.04	38.51
22 11 19 00-0355	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) .....820.22 <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	35.27 -702.66	47.03
22 11 19 00-0356	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) .....1,217.54 <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	41.05 -1,080.72	54.73
22 11 19 00-0357	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) .....1,339.82 <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	46.82 -1,183.75	62.83
22 11 19 00-0358	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) .....1,615.53 <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	60.81 -1,412.84	81.07
22 11 19 00-0359 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0340) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).				
22 11 19 00-0360	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) .....602.28 <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	28.88 -506.00	38.51
22 11 19 00-0361	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) .....715.13 <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	35.27 -597.57	47.03
22 11 19 00-0362	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) .....1,074.23 <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	41.05 -937.41	54.73
22 11 19 00-0363	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) .....1,137.57 <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	46.82 -981.50	62.83
22 11 19 00-0364	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) .....1,367.39 <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	60.81 -1,164.70	81.07
22 11 19 00-0365 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0340) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).				
22 11 19 00-0366	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT) .....1,226.51 <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	28.88 -1,130.23	38.51
22 11 19 00-0367	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT) .....1,452.34 <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	35.27 -1,334.78	47.03
22 11 19 00-0368	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT) .....2,227.94 <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	41.05 -2,091.12	54.73



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0369	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT).....	2,409.88	62.83
			For Work In Restricted Working Space, Add	46.82	
			For Owner Furnished Material, Deduct	-2,253.81	
22 11 19 00-0370	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT).....	2,798.99	81.07
			For Work In Restricted Working Space, Add	60.81	
			For Owner Furnished Material, Deduct	-2,596.30	
22 11 19 00-0371			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer (22 11 19 00-0340) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts LF909 QT-S series).		
22 11 19 00-0372	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S)	1,646.64	38.51
			For Work In Restricted Working Space, Add	28.88	
			For Owner Furnished Material, Deduct	-1,550.36	
22 11 19 00-0373	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S)	1,957.90	47.03
			For Work In Restricted Working Space, Add	35.27	
			For Owner Furnished Material, Deduct	-1,840.34	
22 11 19 00-0374	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	2,978.39	54.73
			For Work In Restricted Working Space, Add	41.05	
			For Owner Furnished Material, Deduct	-2,841.57	
22 11 19 00-0375	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	3,254.51	62.83
			For Work In Restricted Working Space, Add	46.82	
			For Owner Furnished Material, Deduct	-3,098.44	
22 11 19 00-0376	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	3,868.53	81.07
			For Work In Restricted Working Space, Add	60.81	
			For Owner Furnished Material, Deduct	-3,665.84	
22 11 19 00-0377			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer (22 11 19 00-0340) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).		
22 11 19 00-0378	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	686.32	38.51
			For Work In Restricted Working Space, Add	28.88	
			For Owner Furnished Material, Deduct	-590.04	
22 11 19 00-0379	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	820.22	47.03
			For Work In Restricted Working Space, Add	35.27	
			For Owner Furnished Material, Deduct	-702.66	
22 11 19 00-0380	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,217.54	54.73
			For Work In Restricted Working Space, Add	41.05	
			For Owner Furnished Material, Deduct	-1,080.72	
22 11 19 00-0381	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,339.82	62.83
			For Work In Restricted Working Space, Add	46.82	
			For Owner Furnished Material, Deduct	-1,183.75	
22 11 19 00-0382	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,615.53	81.07
			For Work In Restricted Working Space, Add	60.81	
			For Owner Furnished Material, Deduct	-1,412.84	
22 11 19 00-0383			Flanged Reduced Pressure Zone Assemblies (22 11 19 00-0339)		
22 11 19 00-0384			Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0383) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 NRS series).		
22 11 19 00-0385	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series).....	3,904.86	224.01
			For Work In Restricted Working Space, Add	89.61	
			For Owner Furnished Material, Deduct	-3,606.17	
22 11 19 00-0386	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series).....	4,399.01	252.02
			For Work In Restricted Working Space, Add	99.41	
			For Owner Furnished Material, Deduct	-4,067.66	
22 11 19 00-0387			Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer (22 11 19 00-0383) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF009 NRS-S-FDA series).		
22 11 19 00-0388	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series)	4,644.43	224.01
			For Work In Restricted Working Space, Add	89.61	
			For Owner Furnished Material, Deduct	-4,345.74	
22 11 19 00-0389	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series)	5,258.19	252.02
			For Work In Restricted Working Space, Add	99.41	
			For Owner Furnished Material, Deduct	-4,926.84	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 19 00-0390		Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs (22 11 19 00-0383) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 OSY series).		
22 11 19 00-0391	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series).....	4,187.93	224.01
		For Work In Restricted Working Space, Add	89.61	
		For Owner Furnished Material, Deduct	-3,889.24	
22 11 19 00-0392	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series).....	4,869.46	252.02
		For Work In Restricted Working Space, Add	99.41	
		For Owner Furnished Material, Deduct	-4,538.11	
22 11 19 00-0393		Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs And Strainer (22 11 19 00-0383) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies. (Watts LF009 OSY-S-FDA Series)		
22 11 19 00-0394	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series).....	4,644.43	224.01
		For Work In Restricted Working Space, Add	89.61	
		For Owner Furnished Material, Deduct	-4,345.74	
22 11 19 00-0395	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series).....	5,258.19	252.02
		For Work In Restricted Working Space, Add	99.41	
		For Owner Furnished Material, Deduct	-4,926.84	
22 11 19 00-0396		Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0383) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts LF009 QT-FDA series).		
22 11 19 00-0397	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series).....	5,149.77	224.01
		For Work In Restricted Working Space, Add	89.61	
		For Owner Furnished Material, Deduct	-4,851.08	
22 11 19 00-0398	EA	3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series).....	5,956.89	252.02
		For Work In Restricted Working Space, Add	99.41	
		For Owner Furnished Material, Deduct	-5,625.54	
22 11 19 00-0399		Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0383) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 NRS series).		
22 11 19 00-0400	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	6,666.78	224.01
		For Work In Restricted Working Space, Add	89.60	
		For Owner Furnished Material, Deduct	-6,368.11	
22 11 19 00-0401	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	7,572.60	252.02
		For Work In Restricted Working Space, Add	99.41	
		For Owner Furnished Material, Deduct	-7,241.24	
22 11 19 00-0402	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	9,549.84	373.35
		For Work In Restricted Working Space, Add	149.26	
		For Owner Furnished Material, Deduct	-9,052.30	
22 11 19 00-0403	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	14,567.38	559.34
		For Work In Restricted Working Space, Add	424.40	
		For Owner Furnished Material, Deduct	-13,152.70	
22 11 19 00-0404	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series).....	24,118.11	839.01
		For Work In Restricted Working Space, Add	636.61	
		For Owner Furnished Material, Deduct	-21,996.09	
22 11 19 00-0405	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series).....	30,937.64	992.37
		For Work In Restricted Working Space, Add	541.30	
		For Owner Furnished Material, Deduct	-29,133.32	
22 11 19 00-0406		Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Epoxy Coated Strainer (22 11 19 00-0383) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF909 NRS-S-FDA series).		
22 11 19 00-0407	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	7,180.09	224.01
		For Work In Restricted Working Space, Add	89.60	
		For Owner Furnished Material, Deduct	-6,881.42	
22 11 19 00-0408	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	8,112.82	252.02
		For Work In Restricted Working Space, Add	99.41	
		For Owner Furnished Material, Deduct	-7,781.47	
22 11 19 00-0409	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	10,378.08	373.35
		For Work In Restricted Working Space, Add	149.25	
		For Owner Furnished Material, Deduct	-9,880.58	
22 11 19 00-0410	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	15,722.15	559.34
		For Work In Restricted Working Space, Add	303.13	
		For Owner Furnished Material, Deduct	-14,711.73	



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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0411	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	25,436.50	839.01
		For Work In Restricted Working Space, Add	454.69	
		For Owner Furnished Material, Deduct	-23,920.87	
22 11 19 00-0412	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	34,471.53	992.37
		For Work In Restricted Working Space, Add	541.30	
		For Owner Furnished Material, Deduct	-32,667.21	
22 11 19 00-0413		Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs (22 11 19 00-0383) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 OSY series).		
22 11 19 00-0414	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	7,089.39	224.01
		For Work In Restricted Working Space, Add	89.60	
		For Owner Furnished Material, Deduct	-6,790.72	
22 11 19 00-0415	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	8,057.01	252.02
		For Work In Restricted Working Space, Add	99.41	
		For Owner Furnished Material, Deduct	-7,725.65	
22 11 19 00-0416	EA	4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	10,151.87	373.35
		For Work In Restricted Working Space, Add	149.26	
		For Owner Furnished Material, Deduct	-9,654.33	
22 11 19 00-0417	EA	6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	15,040.72	559.34
		For Work In Restricted Working Space, Add	303.13	
		For Owner Furnished Material, Deduct	-14,030.30	
22 11 19 00-0418	EA	8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series).....	24,978.80	839.01
		For Work In Restricted Working Space, Add	454.69	
		For Owner Furnished Material, Deduct	-23,463.17	
22 11 19 00-0419	EA	10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series).....	32,878.77	992.37
		For Work In Restricted Working Space, Add	541.30	
		For Owner Furnished Material, Deduct	-31,074.45	
22 11 19 00-0420		Double Check Detector Assemblies (22 11 19 00-0250)		
22 11 19 00-0421		Flanged Double Check Detector Assemblies With Meter (22 11 19 00-0420)		
22 11 19 00-0422		Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter (22 11 19 00-0421) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).		
22 11 19 00-0423	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	5,337.97	252.02
		For Work In Restricted Working Space, Add	99.41	
		For Owner Furnished Material, Deduct	-5,006.62	
22 11 19 00-0424	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	5,620.29	373.35
		For Work In Restricted Working Space, Add	149.25	
		For Owner Furnished Material, Deduct	-5,122.79	
22 11 19 00-0425	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	7,662.55	559.34
		For Work In Restricted Working Space, Add	303.13	
		For Owner Furnished Material, Deduct	-6,652.13	
22 11 19 00-0426	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	13,539.73	839.01
		For Work In Restricted Working Space, Add	454.69	
		For Owner Furnished Material, Deduct	-12,024.10	
22 11 19 00-0427	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	18,237.21	992.37
		For Work In Restricted Working Space, Add	541.30	
		For Owner Furnished Material, Deduct	-16,432.69	
22 11 19 00-0428		Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter (22 11 19 00-0421) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).		
22 11 19 00-0429	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	4,007.77	224.01
		For Work In Restricted Working Space, Add	89.61	
		For Owner Furnished Material, Deduct	-3,709.08	
22 11 19 00-0430	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	4,282.54	252.02
		For Work In Restricted Working Space, Add	99.41	
		For Owner Furnished Material, Deduct	-3,951.19	
22 11 19 00-0431	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	4,696.77	373.35
		For Work In Restricted Working Space, Add	149.25	
		For Owner Furnished Material, Deduct	-4,199.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0432 EA 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	6,463.13	559.34
For Work In Restricted Working Space, Add	303.13	
For Owner Furnished Material, Deduct	-5,452.71	
22 11 19 00-0433 EA 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	11,371.89	839.01
For Work In Restricted Working Space, Add	454.69	
For Owner Furnished Material, Deduct	-9,856.26	
22 11 19 00-0434 EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	13,413.68	992.37
For Work In Restricted Working Space, Add	541.30	
For Owner Furnished Material, Deduct	-11,609.36	
22 11 19 00-0435 Double Check Detector Assembly With Butterfly Valves And Meter (22 11 19 00-0421)		
Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).		
22 11 19 00-0436 EA 2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	4,241.16	224.01
For Work In Restricted Working Space, Add	89.61	
For Owner Furnished Material, Deduct	-3,942.47	
22 11 19 00-0437 EA 3" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	4,515.92	252.02
For Work In Restricted Working Space, Add	99.41	
For Owner Furnished Material, Deduct	-4,184.57	
22 11 19 00-0438 EA 4" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	4,930.11	373.35
For Work In Restricted Working Space, Add	149.25	
For Owner Furnished Material, Deduct	-4,432.61	
22 11 19 00-0439 EA 6" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	6,702.35	559.34
For Work In Restricted Working Space, Add	303.13	
For Owner Furnished Material, Deduct	-5,691.93	
22 11 19 00-0440 EA 8" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	11,084.89	839.01
For Work In Restricted Working Space, Add	454.69	
For Owner Furnished Material, Deduct	-9,569.26	
22 11 19 00-0441 Flanged Double Check Detector Assemblies Without Meter (22 11 19 00-0420)		
22 11 19 00-0442 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter (22 11 19 00-0441)		
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).		
22 11 19 00-0443 EA 2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	3,934.08	224.01
For Work In Restricted Working Space, Add	89.61	
22 11 19 00-0444 EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	4,208.88	252.02
For Work In Restricted Working Space, Add	99.41	
22 11 19 00-0445 EA 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	4,623.12	373.35
For Work In Restricted Working Space, Add	149.25	
22 11 19 00-0446 EA 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	6,389.47	559.34
For Work In Restricted Working Space, Add	303.13	
22 11 19 00-0447 EA 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	11,298.29	839.01
For Work In Restricted Working Space, Add	454.69	
22 11 19 00-0448 EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	13,339.97	992.37
For Work In Restricted Working Space, Add	541.30	
22 11 19 00-0449 Double Check Detector Assembly With Butterfly Valves Less Meter (22 11 19 00-0441)		
Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).		
22 11 19 00-0450 EA 2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	4,167.45	224.01
For Work In Restricted Working Space, Add	89.61	
22 11 19 00-0451 EA 3" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	4,442.21	252.02
For Work In Restricted Working Space, Add	99.41	
22 11 19 00-0452 EA 4" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	4,856.45	373.35
For Work In Restricted Working Space, Add	149.25	
22 11 19 00-0453 EA 6" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	6,628.64	559.34
For Work In Restricted Working Space, Add	303.13	
22 11 19 00-0454 EA 8" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	11,537.50	839.01
For Work In Restricted Working Space, Add	454.69	
22 11 19 00-0455 Backflow Preventer Accessories (22 11 19 00-0250)		
22 11 19 00-0456 Air Gap (22 11 19 00-0455)		
22 11 19 00-0457 EA Up To 1" Diameter Air Gap For Backflow Preventer	95.32	12.67
22 11 19 00-0458 EA 1-1/4" To 2" Diameter Air Gap For Backflow Preventer	117.18	15.20
22 11 19 00-0459 EA 2-1/2" To 3" Diameter Air Gap For Backflow Preventer	217.15	20.27
22 11 19 00-0460 EA 4" To 6" Diameter Air Gap For Backflow Preventer	427.93	35.47
22 11 19 00-0461 EA 8" To 10" Diameter Air Gap For Backflow Preventer	458.34	50.68



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 19 00-0462	Brass Test Cocks (22 11 19 00-0455)		
22 11 19 00-0463 EA	1/8" Or 1/4" Brass Test Cock	38.78	5.07
22 11 19 00-0464	Backflow Valve Enclosures (22 11 19 00-0250)		
22 11 19 00-0465	Flip-Top, Insulated Fiberglass Valve Enclosures (22 11 19 00-0464)		
Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.			
22 11 19 00-0466 EA	19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	803.81	91.21
	For Heated Enclosure, Add	97.77	
22 11 19 00-0467 EA	27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	986.19	91.21
	For Heated Enclosure, Add	125.13	
22 11 19 00-0468 EA	27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,246.95	84.00
	For Heated Enclosure, Add	166.04	
22 11 19 00-0469 EA	33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,298.37	112.01
	For Heated Enclosure, Add	166.75	
22 11 19 00-0470 EA	39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,360.22	112.01
	For Heated Enclosure, Add	176.03	
22 11 19 00-0471 EA	47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,601.28	112.01
	For Heated Enclosure, Add	212.19	
22 11 19 00-0472 EA	39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,607.62	112.01
	For Heated Enclosure, Add	213.14	
22 11 19 00-0473 EA	47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,018.36	112.01
	For Heated Enclosure, Add	274.75	
22 11 19 00-0474 EA	70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	4,639.58	168.01
	For Heated Enclosure, Add	653.93	
22 11 19 00-0475 EA	83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	6,712.31	168.01
	For Heated Enclosure, Add	964.84	
22 11 19 00-0476 EA	70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	6,379.28	168.01
	For Heated Enclosure, Add	914.89	
22 11 19 00-0477 EA	83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	7,680.37	196.01
	For Heated Enclosure, Add	1,103.05	
22 11 19 00-0478	One-Piece Drop Over, Insulated Fiberglass Valve Enclosures (22 11 19 00-0464)		
Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.			
22 11 19 00-0479 EA	20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	437.01	24.32
	For Heated Enclosure, Add	79.29	
22 11 19 00-0480 EA	27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	605.11	24.32
	For Heated Enclosure, Add	112.91	
22 11 19 00-0481 EA	38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	757.31	22.40
	For Heated Enclosure, Add	144.00	
22 11 19 00-0482 EA	47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	1,141.10	22.40
	For Heated Enclosure, Add	220.75	
22 11 19 00-0483 EA	70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,949.95	42.00
	For Heated Enclosure, Add	575.99	
22 11 19 00-0484 EA	83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	4,023.58	42.00
	For Heated Enclosure, Add	790.71	
22 11 19 00-0485 EA	45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,683.52	42.00
	For Heated Enclosure, Add	522.70	
22 11 19 00-0486 EA	53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	3,035.59	42.00
	For Heated Enclosure, Add	593.12	
22 11 19 00-0487 EA	61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	4,743.57	42.00
	For Heated Enclosure, Add	934.71	
22 11 19 00-0488	Lift-Off Lightweight Backflow Valve Enclosures With Recessed Locksheild Brackets (22 11 19 00-0464)		
Note: 1-1/2", 0.095" wall tubular steel framework with 1" x 1" x 1/8" angle iron, 1/2" #13 gauge diamond pattern rolled expanded metal, all welded construction. Excludes concrete pad.			
22 11 19 00-0489 EA	22" Length x 10" Width x 24" Height, Backflow Preventer Caged Enclosures	549.97	91.21
	Note: BP-1		
22 11 19 00-0490 EA	30" Length x 10" Width x 24" Height, Backflow Preventer Caged Enclosures	615.72	112.01
	Note: BP-2		
22 11 19 00-0491 EA	40" Length x 10" Width x 24" Height, Backflow Preventer Caged Enclosures	665.47	112.01
	Note: BP-3		
22 11 19 00-0492 EA	46" Length x 10" Width x 30" Height, Backflow Preventer Caged Enclosures	807.24	112.01
	Note: BP-4		
22 11 19 00-0493	Sectional, Insulated Aluminum Valve Enclosures (22 11 19 00-0464)		
Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.			
22 11 19 00-0494 EA	70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	6,032.21	182.43
	For Heated Enclosure, Add	859.22	
	For One 24" Fluorescent Light Fixture, Add	526.84	
	For Two 24" Fluorescent Light Fixture, Add	942.77	
22 11 19 00-0495 EA	83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	6,645.94	182.43
	For Heated Enclosure, Add	951.28	
	For One 24" Fluorescent Light Fixture, Add	526.84	
	For Two 24" Fluorescent Light Fixture, Add	942.77	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0496	EA		53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	4,714.11	168.01
			For Heated Enclosure, Add	665.11	
			For One 24" Fluorescent Light Fixture, Add	526.84	
			For Two 24" Fluorescent Light Fixture, Add	942.77	
22 11 19 00-0497	EA		53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	5,167.67	168.01
			For Heated Enclosure, Add	733.15	
			For One 24" Fluorescent Light Fixture, Add	526.84	
			For Two 24" Fluorescent Light Fixture, Add	942.77	
22 11 19 00-0498	EA		90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	6,017.46	224.01
			For Heated Enclosure, Add	846.62	
			For One 24" Fluorescent Light Fixture, Add	526.84	
			For Two 24" Fluorescent Light Fixture, Add	942.77	
22 11 19 00-0499	EA		102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	6,743.79	224.01
			For Heated Enclosure, Add	955.57	
			For One 24" Fluorescent Light Fixture, Add	526.84	
			For Two 24" Fluorescent Light Fixture, Add	942.77	
22 11 19 00-0500	EA		90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	6,743.79	224.01
			For Heated Enclosure, Add	955.57	
			For One 24" Fluorescent Light Fixture, Add	526.84	
			For Two 24" Fluorescent Light Fixture, Add	942.77	
22 11 19 00-0501	EA		102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	7,447.92	224.01
			For Heated Enclosure, Add	1,061.19	
			For One 24" Fluorescent Light Fixture, Add	526.84	
			For Two 24" Fluorescent Light Fixture, Add	942.77	
22 11 19 00-0502	EA		62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	5,596.54	196.01
			For Heated Enclosure, Add	790.48	
			For One 24" Fluorescent Light Fixture, Add	526.84	
			For Two 24" Fluorescent Light Fixture, Add	942.77	
22 11 19 00-0503	EA		62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	6,551.90	224.01
			For Heated Enclosure, Add	926.78	
			For One 24" Fluorescent Light Fixture, Add	526.84	
			For Two 24" Fluorescent Light Fixture, Add	942.77	
22 11 19 00-0504	EA		105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	7,650.91	224.01
			For Heated Enclosure, Add	1,091.63	
			For One 24" Fluorescent Light Fixture, Add	526.84	
			For Two 24" Fluorescent Light Fixture, Add	942.77	
22 11 19 00-0505	EA		125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	8,397.40	238.01
			For Heated Enclosure, Add	1,200.11	
			For One 24" Fluorescent Light Fixture, Add	526.84	
			For Two 24" Fluorescent Light Fixture, Add	942.77	
22 11 19 00-0506	EA		105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	8,613.82	258.44
			For Heated Enclosure, Add	1,227.46	
			For One 24" Fluorescent Light Fixture, Add	526.84	
			For Two 24" Fluorescent Light Fixture, Add	942.77	
22 11 19 00-0507	EA		125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	9,546.27	273.64
			For Heated Enclosure, Add	1,363.53	
			For One 24" Fluorescent Light Fixture, Add	526.84	
			For Two 24" Fluorescent Light Fixture, Add	942.77	
22 11 19 00-0508	EA		105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure	9,873.39	252.02
			For Heated Enclosure, Add	1,418.01	
			For One 24" Fluorescent Light Fixture, Add	526.84	
			For Two 24" Fluorescent Light Fixture, Add	942.77	
22 11 19 00-0509	EA		72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	7,175.15	224.01
			For Heated Enclosure, Add	1,020.27	
			For One 24" Fluorescent Light Fixture, Add	526.84	
			For Two 24" Fluorescent Light Fixture, Add	942.77	
22 11 19 00-0510	EA		72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	7,646.15	224.01
			For Heated Enclosure, Add	1,090.92	
			For One 24" Fluorescent Light Fixture, Add	526.84	
			For Two 24" Fluorescent Light Fixture, Add	942.77	
22 11 19 00-0511	EA		72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	8,649.56	238.01
			For Heated Enclosure, Add	1,237.93	
			For One 24" Fluorescent Light Fixture, Add	526.84	
			For Two 24" Fluorescent Light Fixture, Add	942.77	
22 11 19 00-0512	EA		72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	10,477.61	252.02
			For Heated Enclosure, Add	1,508.64	
			For One 24" Fluorescent Light Fixture, Add	526.84	
			For Two 24" Fluorescent Light Fixture, Add	942.77	
22 11 19 00-0513	EA		118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	9,147.06	112.01
			For Heated Enclosure, Add	1,309.06	
			For One 24" Fluorescent Light Fixture, Add	526.84	
			For Two 24" Fluorescent Light Fixture, Add	942.77	
22 11 19 00-0514	EA		142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	10,986.22	112.01
			For Heated Enclosure, Add	1,581.43	
			For One 24" Fluorescent Light Fixture, Add	526.84	
			For Two 24" Fluorescent Light Fixture, Add	942.77	
22 11 19 00-0515	EA		118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	10,623.06	168.01
			For Heated Enclosure, Add	1,526.96	
			For One 24" Fluorescent Light Fixture, Add	526.84	
			For Two 24" Fluorescent Light Fixture, Add	942.77	
22 11 19 00-0516	EA		142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	12,323.79	168.01
			For Heated Enclosure, Add	1,775.06	
			For One 24" Fluorescent Light Fixture, Add	526.84	
			For Two 24" Fluorescent Light Fixture, Add	942.77	



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0517	EA	142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure For Heated Enclosure, Add For One 24" Fluorescent Light Fixture, Add For Two 24" Fluorescent Light Fixture, Add	11,372.72 1,635.90 526.84 942.77	168.01
22 11 19 00-0518	EA	172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure For Heated Enclosure, Add For One 24" Fluorescent Light Fixture, Add For Two 24" Fluorescent Light Fixture, Add	13,289.13 1,916.37 526.84 942.77	196.01
22 11 19 00-0519	EA	142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure For Heated Enclosure, Add For One 24" Fluorescent Light Fixture, Add For Two 24" Fluorescent Light Fixture, Add	13,335.80 1,916.37 526.84 942.77	168.01
22 11 19 00-0520	EA	172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure For Heated Enclosure, Add For One 24" Fluorescent Light Fixture, Add For Two 24" Fluorescent Light Fixture, Add	15,816.78 2,281.51 526.84 942.77	168.01
22 11 19 00-0521		Faucets (Hose Bibbs) (22 11 19)		
22 11 19 00-0522		Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends (22 11 19 00-0521)		
22 11 19 00-0523	EA	1/2", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	53.69	10.14
22 11 19 00-0524	EA	3/4" Faucet, Bronze Garden Hose Valve With Screwed Ends, 125#	62.21	11.15
22 11 19 00-0525	EA	3/4" Hose Valve With Screwed Ends And Vacuum Breaker, 125#	21.73	7.60
22 11 19 00-0526		Chrome Plated Brass Hose Valves, Screwed Ends (22 11 19 00-0521)		
22 11 19 00-0527	EA	3/4" Hose Valve With Screwed Ends (Chicago Faucets #387-CP)	204.49	31.01
22 11 19 00-0528		Antisiphon Freezeless Wall Faucet (22 11 19 00-0521)		
22 11 19 00-0529	EA	4" Long, 1/2" Antisiphon Freezeless Wall Faucet	147.31	25.34
22 11 19 00-0530	EA	6" Long, 1/2" Antisiphon Freezeless Wall Faucet	158.59	28.07
22 11 19 00-0531	EA	8" Long, 1/2" Antisiphon Freezeless Wall Faucet	167.33	29.69
22 11 19 00-0532	EA	10" Long, 1/2" Antisiphon Freezeless Wall Faucet	176.06	31.82
22 11 19 00-0533	EA	12" Long, 1/2" Antisiphon Freezeless Wall Faucet	184.91	33.74
22 11 19 00-0534		Keyed, Recessed Valve Boxes (22 11 19)		
22 11 19 00-0535	EA	8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box	217.86	30.22
22 11 19 00-0536	EA	8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box	240.35	30.22
22 11 19 00-0537	EA	8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box	274.08	30.22
22 11 19 00-0538	EA	12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box	271.73	40.29
22 11 19 00-0539	EA	12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box	305.47	40.29
22 11 19 00-0540	EA	12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box	315.59	40.29
22 11 19 00-0541	EA	8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box	253.84	30.22
22 11 19 00-0542	EA	8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box	303.32	30.22
22 11 19 00-0543	EA	8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box	347.18	30.22
22 11 19 00-0544	EA	12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box	334.71	40.29
22 11 19 00-0545	EA	12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box	378.56	40.29
22 11 19 00-0546	EA	12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box	395.43	40.29
22 11 23		Domestic Water Pumps (22 11)		
22 11 23 13		Domestic Water Packaged Booster Pumps And Tanks (22 11 23) Note: Includes motor starter and controls.		
22 11 23 13-0001		Simplex Domestic Water Packaged Booster Pumps And Tank (22 11 23 13)		
22 11 23 13-0002	EA	1 HP Simplex Domestic Water Packaged Booster Pump And Tank	8,044.20	298.69
22 11 23 13-0003	EA	1.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	8,412.29	401.36
22 11 23 13-0004	EA	2 HP Simplex Domestic Water Packaged Booster Pump And Tank	8,836.10	504.03
22 11 23 13-0005	EA	3 HP Simplex Domestic Water Packaged Booster Pump And Tank	9,232.04	606.70
22 11 23 13-0006	EA	5 HP Simplex Domestic Water Packaged Booster Pump And Tank	10,240.75	709.38
22 11 23 13-0007	EA	7.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	11,388.74	812.05
22 11 23 13-0008	EA	10 HP Simplex Domestic Water Packaged Booster Pump And Tank	12,202.48	914.72
22 11 23 13-0009		Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator (22 11 23 13)		
22 11 23 13-0010	EA	100 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator	21,884.70	1,211.01
22 11 23 13-0011	EA	200 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator	26,264.39	1,286.70
22 11 23 13-0012	EA	300 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator	30,661.86	1,362.38
22 11 23 13-0013		Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator (22 11 23 13)		
22 11 23 13-0014	EA	200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	28,638.86	1,286.70
22 11 23 13-0015	EA	300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	35,524.65	1,362.38
22 11 23 13-0016	EA	500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	44,055.65	1,513.76
22 11 23 13-0017	EA	750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	55,673.83	1,665.13
22 11 23 13-0018	EA	1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	67,291.99	1,816.51
22 11 23 13-0019	EA	1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	78,353.62	2,043.58

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0020	EA	2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	89,415.25	2,270.64
22 11 23 13-0021	EA	3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	100,476.87	2,497.70
22 11 23 13-0022	EA	5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	111,727.71	2,800.45
22 11 23 13-0023 Variable Speed Duplex Domestic Water Pressure Booster Skid <small>(22 11 23 13)</small>				
Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.				
22 11 23 13-0024	EA	40 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-1)	27,503.90	1,353.61
22 11 23 13-0025	EA	40 GPM At 80 To 120 PSI, 80 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-2)	28,742.09	1,353.61
22 11 23 13-0026	EA	80 GPM At 80 PSI, 120 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-3)	30,511.32	1,353.61
22 11 23 13-0027	EA	80 GPM At 130 To 150 PSI, 120 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-4)	33,061.65	1,353.61
22 11 23 13-0028	EA	160 GPM At 40 To 50 PSI, 200 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-5)	31,264.62	1,438.21
22 11 23 13-0029	EA	160 GPM At 60 To 80 PSI, 200 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-6)	33,490.94	1,438.21
22 11 23 13-0030	EA	160 GPM At 90 To 110 PSI, 200 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-7)	36,514.50	1,438.21
22 11 23 13-0031	EA	160 To 200 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-8)	38,972.06	1,438.21
22 11 23 13-0032	EA	240 To 280 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-9)	34,144.74	1,522.81
22 11 23 13-0033	EA	280 To 320 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-10)	36,342.83	1,522.81
22 11 23 13-0034	EA	240 To 320 GPM At 90 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-11)	41,257.96	1,522.81
22 11 23 13-0035	EA	240 To 320 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-12)	49,507.20	1,522.81
22 11 23 13-0036	EA	360 To 400 GPM At 40 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-13)	36,033.62	1,522.81
22 11 23 13-0037	EA	360 To 400 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-14)	40,517.20	1,522.81
22 11 23 13-0038	EA	360 To 400 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-15)	50,386.44	1,522.81
22 11 23 13-0039	EA	360 To 400 GPM At 120 To 140 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-16)	50,101.42	1,522.81
22 11 23 13-0040	EA	440 To 480 GPM At 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-17)	59,712.06	1,692.01
22 11 23 13-0041	EA	440 To 480 GPM At 40 To 60 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-18)	41,226.56	1,692.01
22 11 23 13-0042	EA	440 To 480 GPM At 60 To 90 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-19)	50,213.88	1,692.01
22 11 23 13-0043	EA	440 To 480 GPM At 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-20)	49,930.21	1,692.01
22 11 23 13-0044	EA	440 To 600 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-21)	60,153.03	1,692.01
22 11 23 13-0045	EA	440 To 600 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-22)	72,657.29	1,692.01
22 11 23 13-0046	EA	60 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-1)	34,645.35	1,353.61
22 11 23 13-0047 Variable Speed Triplex Domestic Water Pressure Booster Skid <small>(22 11 23 13)</small>				
Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.				
22 11 23 13-0048	EA	60 GPM At 80 To 130 PSI, 120 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-2)	34,645.35	1,353.61
22 11 23 13-0049	EA	120 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-3)	38,702.75	1,353.61
22 11 23 13-0050	EA	60 GPM At 140 To 150 PSI, 120 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-4)	42,203.57	1,353.61
22 11 23 13-0051	EA	180 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-5)	38,914.25	1,438.21
22 11 23 13-0052	EA	180 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-6)	42,390.87	1,438.21
22 11 23 13-0053	EA	240 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-7)	39,726.27	1,438.21
22 11 23 13-0054	EA	240 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-8)	42,714.87	1,438.21
22 11 23 13-0055	EA	240 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-9)	46,824.70	1,438.21
22 11 23 13-0056	EA	240 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-10)	50,231.41	1,438.21
22 11 23 13-0057	EA	300 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-11)	40,134.04	1,522.81



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0058	EA		300 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-12).....	43,122.64	1,522.81
22 11 23 13-0059	EA		300 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-13).....	47,231.13	1,522.81
22 11 23 13-0060	EA		300 GPM At 110 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-14).....	50,637.84	1,522.81
22 11 23 13-0061	EA		360 GPM At 40 To 60 PSI, 420 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-15).....	43,495.04	1,522.81
22 11 23 13-0062	EA		360 GPM At 70 To 80 PSI, 420 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-16).....	46,365.34	1,522.81
22 11 23 13-0063	EA		360 GPM At 90 To 130 PSI, 420 GPM At 80 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-17).....	53,457.05	1,522.81
22 11 23 13-0064	EA		360 GPM At 140 To 150 PSI, 420 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-18).....	65,029.64	1,522.81
22 11 23 13-0065	EA		480 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-19).....	44,504.21	1,692.01
22 11 23 13-0066	EA		480 GPM At 50 To 70 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-20).....	47,375.85	1,692.01
22 11 23 13-0067	EA		480 GPM At 80 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-21).....	54,467.56	1,692.01
22 11 23 13-0068	EA		480 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-22).....	66,038.81	1,692.01
22 11 23 13-0069	EA		540 GPM At 40 PSI, 600 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-23).....	46,910.69	1,692.01
22 11 23 13-0070	EA		540 GPM At 50 To 90 PSI, 600 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-24).....	53,355.74	1,692.01
22 11 23 13-0071	EA		540 GPM At 100 To 110 PSI, 600 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-25).....	67,356.32	1,692.01
22 11 23 13-0072	EA		540 GPM At 120 To 130 PSI, 600 GPM At 120 To 130 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-26).....	68,712.82	1,692.01
22 11 23 13-0073	EA		540 GPM At 140 To 150 PSI, 600 GPM At 140 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-27).....	84,965.27	1,692.01
22 11 23 13-0074	EA		660 GPM At 40 To 50 PSI, 720 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-28).....	53,208.24	2,030.41
22 11 23 13-0075	EA		660 GPM At 60 To 90 PSI, 720,780,840,900 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-29).....	63,830.34	2,030.41
22 11 23 13-0076	EA		660, 720, 780 GPM At 100 PSI, 840 To 900 GPM At 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-30).....	67,858.17	2,030.41
22 11 23 13-0077	EA		660, 720, 780, 840, 900 GPM At 110 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-31).....	81,674.56	2,030.41
22 11 23 13-0078	EA		660, 720, 780, 840, 900 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-32).....	101,008.38	2,030.41
22 11 23 23 Domestic-Water In-Line Pumps (22 11 23)					
22 11 23 23-0001 Bronze In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)					
Note: ODP motor.					
22 11 23 23-0002	EA		1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B).....	723.14	168.01
22 11 23 23-0003	EA		1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B).....	739.27	168.01
22 11 23 23-0004	EA		1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B).....	770.72	171.27
22 11 23 23-0005	EA		1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B).....	842.34	178.28
22 11 23 23-0006	EA		1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B).....	1,419.65	184.93
22 11 23 23-0007	EA		1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB).....	1,506.11	184.93
22 11 23 23-0008	EA		1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB).....	2,202.24	203.61
22 11 23 23-0009	EA		1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB).....	2,304.10	223.69
22 11 23 23-0010	EA		1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB).....	2,773.04	246.10
22 11 23 23-0011	EA		1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S).....	2,847.17	270.85
22 11 23 23-0012	EA		3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S).....	3,114.52	297.47
22 11 23 23-0013	EA		1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S).....	4,396.99	327.36
22 11 23 23-0014	EA		1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S).....	5,042.59	343.23
22 11 23 23-0015 Cast Iron In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)					
Note: ODP motor.					
22 11 23 23-0016	EA		1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30).....	748.52	168.01
22 11 23 23-0017	EA		1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36).....	1,176.27	168.01
22 11 23 23-0018	EA		1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45).....	1,183.02	171.27
22 11 23 23-0019	EA		1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45).....	1,204.00	175.01
22 11 23 23-0020	EA		1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50).....	1,210.52	178.28
22 11 23 23-0021	EA		1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75).....	1,235.56	184.93
22 11 23 23-0022	EA		1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2).....	1,495.29	203.61
22 11 23 23-0023	EA		1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30).....	1,918.28	246.10
22 11 23 23-0024	EA		1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S).....	2,028.59	270.85
22 11 23 23-0025	EA		3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S).....	2,355.06	297.47
22 11 23 23-0026	EA		1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S).....	3,128.98	327.36
22 11 23 23-0027	EA		1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S).....	3,632.21	343.23
22 11 23 23-0028	EA		2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	3,295.58	360.52
22 11 23 23-0029	EA		3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	3,548.65	396.29
22 11 23 23-0030	EA		5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	3,898.72	420.28
22 11 23 23-0031	EA		7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	4,882.82	466.98
22 11 23 23-0032	EA		10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	5,222.71	560.47
22 11 23 23-0033	EA		15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	6,621.44	654.06



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 12 Facility Potable-Water Storage Tanks ^(22 10)

22 12 23 Facility Indoor Potable-Water Storage Tanks ^(22 12)

22 12 23 13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks ^(22 12 23)

22 12 23 13-0001	Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) ^(22 12 23 13)		
22 12 23 13-0002	EA	80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A)	2,138.11 373.35
22 12 23 13-0003	EA	119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M).....	2,649.11 466.69
22 12 23 13-0004	EA	140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A)	4,864.89 513.36
22 12 23 13-0005	EA	200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A)	5,379.49 560.03
22 12 23 13-0006	EA	250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A)	10,650.16 606.70
22 12 23 13-0007	EA	350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A)	9,186.12 653.37
22 12 23 13-0008	EA	400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A)	15,739.08 700.04
22 12 23 13-0009	EA	500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A)	14,511.26 746.71
22 12 23 13-0010	EA	750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A)	15,763.06 793.38
22 12 23 13-0011	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A)	18,774.05 840.05

22 12 23 13-0012	Uninsulated Glass Lined Storage Tank (A.O. Smith T) ^(22 12 23 13)		
22 12 23 13-0013	EA	80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S)	1,833.52 373.35
22 12 23 13-0014	EA	120 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-120S).....	3,507.00 466.69
22 12 23 13-0015	EA	140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A).....	4,380.47 513.36
22 12 23 13-0016	EA	200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S)	5,409.47 560.03
22 12 23 13-0017	EA	200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A).....	4,600.14 560.03
22 12 23 13-0018	EA	250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A).....	7,096.04 606.70
22 12 23 13-0019	EA	325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A).....	7,679.60 653.37
22 12 23 13-0020	EA	350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S)	7,311.93 653.37
22 12 23 13-0021	EA	350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A).....	6,675.93 653.37
22 12 23 13-0022	EA	400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A).....	9,121.06 700.04
22 12 23 13-0023	EA	500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A).....	9,893.74 746.71
22 12 23 13-0024	EA	750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A).....	11,481.41 793.38
22 12 23 13-0025	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A).....	21,497.34 840.05

22 12 23 26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks ^(22 12 23)

22 12 23 26-0001	Horizontal Non-Pressurized Polyethylene Tanks			(22 12 23 26)
Note: Excludes excavation and backfill.				
22 12 23 26-0002	EA	100 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	537.38	210.02
		For Saddle Assembly, Add	593.07	
22 12 23 26-0003	EA	150 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	629.21	245.02
		For Saddle Assembly, Add	593.07	
22 12 23 26-0004	EA	200 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	743.60	280.02
		For Saddle Assembly, Add	669.83	
22 12 23 26-0005	EA	300 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	898.64	315.02
		For Saddle Assembly, Add	969.35	
22 12 23 26-0006	EA	335 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	1,070.23	350.02
		For Two Tie Down Bands, Add	346.19	
22 12 23 26-0007	EA	535 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	1,391.00	477.81
		For Two Tie Down Bands, Add	367.27	
22 12 23 26-0008	EA	1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	2,034.92	557.44
		For Three Tie Down Bands, Add	618.63	
22 12 23 26-0009	EA	1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	2,888.87	637.08
		For Three Tie Down Bands, Add	623.14	
22 12 23 26-0010	EA	1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	3,583.55	716.71
		For Four Tie Down Bands, Add	842.89	
22 12 23 26-0011	EA	2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	4,185.61	796.34
		For Four Tie Down Bands, Add	1,149.94	
22 12 23 26-0012	EA	2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	5,909.11	875.97
		For Four Tie Down Bands, Add	1,487.09	
22 12 23 26-0013	EA	3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	6,828.06	955.61
		For Four Tie Down Bands, Add	1,601.48	
22 12 23 26-0014	EA	4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	9,780.04	1,274.15
		For Four Tie Down Bands, Add	1,800.15	
22 12 23 26-0015	EA	5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	12,546.33	1,274.15
		For Five Tie Down Bands, Add	2,799.57	

22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks ^(22 12 23 26)

22 12 23 26-0017	EA	100 Gallon Vertical Non-Pressurized Polyethylene Tank.....	600.61 280.02
22 12 23 26-0018	EA	160 Gallon Vertical Non-Pressurized Polyethylene Tank.....	712.75 297.52
22 12 23 26-0019	EA	210 Gallon Vertical Non-Pressurized Polyethylene Tank.....	779.73 315.02



Plumbing			22
Plumbing Piping			22 10
Facility Potable-Water Storage Tanks			22 12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 23 26-0020 EA 300 Gallon Vertical Non-Pressurized Polyethylene Tank.....	936.28	350.02
22 12 23 26-0021 EA 405 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,073.26	420.02
22 12 23 26-0022 EA 500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,265.94	490.03
22 12 23 26-0023 EA 800 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,758.51	637.08
22 12 23 26-0024 EA 1,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	2,268.89	796.34
22 12 23 26-0025 EA 2,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	3,017.08	955.61
22 12 23 26-0026 EA 3,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	3,906.74	1,114.88
22 12 23 26-0027 EA 4,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	5,643.80	1,274.15
22 12 23 26-0028 EA 5,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	7,558.45	1,433.42
22 12 23 26-0029 EA 6,250 Gallon Vertical Non-Pressurized Polyethylene Tank.....	8,559.50	1,592.69
22 12 23 26-0030 EA 7,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	9,431.11	1,751.96
22 12 23 26-0031 EA 8,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	10,835.53	1,911.22
22 12 23 26-0032 EA 9,150 Gallon Vertical Non-Pressurized Polyethylene Tank.....	12,214.37	2,070.49
22 12 23 26-0033 EA 10,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	15,023.07	2,229.77
22 12 23 26-0034 EA 12,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	18,036.61	2,548.30

22 13 Facility Sanitary Sewerage (22 10)

22 13 13 Facility Sanitary Sewers (22 13)

22 13 13 00-0001 Fixture Rough-In (22 13 13)

Note: Excludes fixture. Not for use when individual component details are available, on remodeling work where partial pipe and fittings are installed or on residential projects. For use on commercial restrooms with multiple toilets, urinals and lavatories. Includes waste and vent pipe and fittings and domestic water supply pipe and fittings. Waste piping is included from fixture outlet tee to floor, vent piping is included from outlet tee within the wall to the ceiling and domestic water supply from ceiling to fixture and stub out with caps. Based on vertical floor to floor of 12'. Use detailed tasks (i.e. individual pipe and fittings, insulation, hangers, etc.) instead of rough-in assembly where possible.

22 13 13 00-0002 Single Fixture Rough-In, Cast Iron Waste And Vent Pipe (22 13 13 00-0001)

Note: Single fixtures have one fixture to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0003 EA Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	884.41
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	
22 13 13 00-0004 EA Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,165.36
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	
22 13 13 00-0005 EA Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	806.34
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	
22 13 13 00-0006 EA Wall Mounted Urinal, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	521.04
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	
22 13 13 00-0007 EA Wall Mounted Lavatory, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	613.98
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	
22 13 13 00-0008 EA Countertop Kitchen Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	784.84
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	
22 13 13 00-0009 EA Bathtub, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	833.73
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	
22 13 13 00-0010 EA Free Standing Water Cooler, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	504.09
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	
22 13 13 00-0011 EA Floor Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	806.34
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	
22 13 13 00-0012 EA Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	830.72
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	
22 13 13 00-0013 EA Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	784.03
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	
22 13 13 00-0014 EA Bidet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	884.41
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	
22 13 13 00-0015 EA Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,385.09
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	
22 13 13 00-0016 EA Bathtub/Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	857.10
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	

22 13 13 00-0017 Double Fixture Rough-In, Cast Iron Waste And Vent Pipe (22 13 13 00-0001)

Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0018 EA Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,147.51
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	
22 13 13 00-0019 EA Wall Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,561.88
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	
22 13 13 00-0020 EA Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	991.18
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	
22 13 13 00-0021 EA Wall Mounted Urinal, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	621.47
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	
22 13 13 00-0022 EA Wall Mounted Lavatory, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	837.21
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	
22 13 13 00-0023 EA Countertop Kitchen Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	886.47
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0024	EA	Free Standing Water Cooler, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	588.21	
22 13 13 00-0025	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,000.49	
22 13 13 00-0026	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	874.48	
22 13 13 00-0027	EA	Shower, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	851.17	
22 13 13 00-0028	EA	Bidet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucets.	1,147.51	
22 13 13 00-0029		Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe (22 13 13 00-0001) Note: Gang fixtures include multiple fixtures to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0030	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	573.33	
22 13 13 00-0031	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	780.94	
22 13 13 00-0032	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture.	496.05	
22 13 13 00-0033	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	311.20	
22 13 13 00-0034	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	418.62	
22 13 13 00-0035	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	443.22	
22 13 13 00-0036	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	317.44	
22 13 13 00-0037	EA	Rough-in Service Sink, Floor Mounted, Gang Mounted Fixture Including Cast Iron Waste Pipe And Vent And Copper Domestic Supply, Not Including Fixture Or Faucet Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	499.78	
22 13 13 00-0038	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	437.24	
22 13 13 00-0039	EA	Shower, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	426.03	
22 13 13 00-0040	EA	Bidet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	566.77	
22 13 13 00-0041		Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe (22 13 13 00-0001) Note: Single fixtures have one fixture to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0042	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Water Closet Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	435.22	
22 13 13 00-0043	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Water Closet Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	424.04	
22 13 13 00-0044	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Tank Type, Floor Mounted, Water Closet Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	423.18	
22 13 13 00-0045	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Urinal Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	244.74	
22 13 13 00-0046	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Lavatory Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	285.89	
22 13 13 00-0047	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Countertop, Kitchen Sink Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	403.05	
22 13 13 00-0048	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Bathtub Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	397.03	
22 13 13 00-0049	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Free Standing, Water Cooler Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	245.54	
22 13 13 00-0050	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Service Sink Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	423.18	
22 13 13 00-0051	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	457.28	
22 13 13 00-0052	EA	Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	416.34	
22 13 13 00-0053	EA	Bidet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	435.11	
22 13 13 00-0054	EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	666.45	



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0055	EA	Bathtub/Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	417.45	
22 13 13 00-0056		Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe (22 13 00-0001) Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0057	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	508.97	
22 13 13 00-0058	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	550.41	
22 13 13 00-0059	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	444.53	
22 13 13 00-0060	EA	Wall Mounted Urinal, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	260.08	
22 13 13 00-0061	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures, carrier and faucets.	404.21	
22 13 13 00-0062	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures and faucets.	418.57	
22 13 13 00-0063	EA	Free Standing Water Cooler, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	258.39	
22 13 13 00-0064	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	452.83	
22 13 13 00-0065	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	463.96	
22 13 13 00-0066	EA	Shower, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	443.12	
22 13 13 00-0067	EA	Bidet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	508.97	
22 13 13 00-0068		Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe (22 13 00-0001) Note: Gang fixtures include multiple fixtures to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0069	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	254.11	
22 13 13 00-0070	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	274.75	
22 13 13 00-0071	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	222.54	
22 13 13 00-0072	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	130.08	
22 13 13 00-0073	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	202.08	
22 13 13 00-0074	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	209.05	
22 13 13 00-0075	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	129.18	
22 13 13 00-0076	EA	Floor Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	226.33	
22 13 13 00-0077	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	232.01	
22 13 13 00-0078	EA	Shower, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	221.97	
22 13 13 00-0079	EA	Bidet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	247.92	
22 13 16		Sanitary Waste and Vent Piping (22 13)		
22 13 16 00-0001		Cast Iron Soil Pipe Assemblies (22 13 16)		
22 13 16 00-0002		Underground Bell And Spigot Cast Iron Soil Pipe Assemblies (22 13 16 00-0001) Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.		

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0003	LF	2" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	28.94	5.88
		<i>For Work In Restricted Working Space, Add</i>	4.31	
22 13 16 00-0004	LF	3" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	41.30	8.86
		<i>For Work In Restricted Working Space, Add</i>	5.85	
22 13 16 00-0005	LF	4" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	53.58	11.29
		<i>For Work In Restricted Working Space, Add</i>	7.53	
22 13 16 00-0006	LF	5" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	63.13	14.07
		<i>For Work In Restricted Working Space, Add</i>	7.92	
22 13 16 00-0007	LF	6" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	74.04	15.33
		<i>For Work In Restricted Working Space, Add</i>	8.80	
22 13 16 00-0008	LF	8" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	117.11	21.78
		<i>For Work In Restricted Working Space, Add</i>	12.34	
22 13 16 00-0009	LF	10" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	171.20	21.78
		<i>For Work In Restricted Working Space, Add</i>	13.97	
22 13 16 00-0010		Aboveground No Hub Cast Iron Soil Pipe Assemblies (22 13 16 00-0001) Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
22 13 16 00-0011	LF	1-1/2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	26.61	5.60
		<i>For Work In Restricted Working Space, Add</i>	4.92	
22 13 16 00-0012	LF	2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	28.20	5.97
		<i>For Work In Restricted Working Space, Add</i>	5.28	
22 13 16 00-0013	LF	3" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	36.01	8.68
		<i>For Work In Restricted Working Space, Add</i>	6.48	
22 13 16 00-0014	LF	4" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	42.78	11.29
		<i>For Work In Restricted Working Space, Add</i>	7.75	
22 13 16 00-0015	LF	5" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	56.80	13.80
		<i>For Work In Restricted Working Space, Add</i>	9.37	
22 13 16 00-0016	LF	6" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	63.99	15.07
		<i>For Work In Restricted Working Space, Add</i>	10.21	
22 13 16 00-0017	LF	8" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	99.70	21.60
		<i>For Work In Restricted Working Space, Add</i>	14.06	
22 13 16 00-0018	LF	10" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 20'. Not for use where detail is available.	138.68	24.55
		<i>For Work In Restricted Working Space, Add</i>	16.34	
22 13 16 00-0019		Bell And Spigot Cast Iron Soil Pipe And Fittings (22 13 16) Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).		
22 13 16 00-0020		Bell And Spigot Cast Iron Pipe (22 13 16 00-0019) Note: Excludes excavation, hangers, gaskets, and fittings.		
22 13 16 00-0021	LF	2" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.54 4.89 0.44 2.67	5.88
22 13 16 00-0022	LF	3" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.03 7.01 0.67 4.00	8.86
22 13 16 00-0023	LF	4" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.69 9.12 0.85 5.09	11.29



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0024	LF		5" Bell And Spigot Cast Iron Pipe.....	51.70	14.07
			For Extra Heavy Pipe, Add	12.87	
			For Above Ground Cast Iron Pipe Installation, Add	1.05	
			For Work In Restricted Working Space, Add	6.32	
22 13 16 00-0025	LF		6" Bell And Spigot Cast Iron Pipe.....	60.29	15.33
			For Extra Heavy Pipe, Add	15.68	
			For Above Ground Cast Iron Pipe Installation, Add	1.15	
			For Work In Restricted Working Space, Add	6.89	
22 13 16 00-0026	LF		8" Bell And Spigot Cast Iron Pipe.....	90.73	21.78
			For Extra Heavy Pipe, Add	24.38	
			For Above Ground Cast Iron Pipe Installation, Add	1.63	
			For Work In Restricted Working Space, Add	9.80	
22 13 16 00-0027	LF		10" Bell And Spigot Cast Iron Pipe.....	133.42	24.55
			For Extra Heavy Pipe, Add	40.59	
			For Above Ground Cast Iron Pipe Installation, Add	1.84	
			For Work In Restricted Working Space, Add	11.03	
22 13 16 00-0028	LF		12" Bell And Spigot Cast Iron Pipe.....	189.42	32.72
			For Extra Heavy Pipe, Add	58.97	
			For Above Ground Cast Iron Pipe Installation, Add	2.45	
			For Work In Restricted Working Space, Add	14.71	
22 13 16 00-0029	LF		15" Bell And Spigot Cast Iron Pipe.....	264.04	39.25
			For Extra Heavy Pipe, Add	86.18	
			For Above Ground Cast Iron Pipe Installation, Add	2.94	
			For Work In Restricted Working Space, Add	17.65	
22 13 16 00-0030			Bell And Spigot Cast Iron Fittings (22 13 16 00-0019)		
22 13 16 00-0031			Bell And Spigot Cast Iron Long Sweeps (22 13 16 00-0030)		
22 13 16 00-0032	EA		2" Bell And Spigot Cast Iron Long Sweep.....	94.22	26.78
			For Extra Heavy Fittings, Add	18.92	
			For Above Ground Cast Iron Pipe Installation, Add	2.01	
			For Work In Restricted Working Space, Add	12.05	
22 13 16 00-0033	EA		3" Bell And Spigot Cast Iron Long Sweep.....	160.16	33.69
			For Extra Heavy Fittings, Add	38.40	
			For Above Ground Cast Iron Pipe Installation, Add	2.52	
			For Work In Restricted Working Space, Add	15.14	
22 13 16 00-0034	EA		4" Bell And Spigot Cast Iron Long Sweep.....	213.38	44.80
			For Extra Heavy Fittings, Add	51.18	
			For Above Ground Cast Iron Pipe Installation, Add	3.36	
			For Work In Restricted Working Space, Add	20.15	
22 13 16 00-0035	EA		6" Bell And Spigot Cast Iron Long Sweep.....	335.46	59.54
			For Extra Heavy Fittings, Add	86.17	
			For Above Ground Cast Iron Pipe Installation, Add	4.46	
			For Work In Restricted Working Space, Add	26.78	
22 13 16 00-0036	EA		8" Bell And Spigot Cast Iron Long Sweep.....	664.03	76.67
			For Extra Heavy Fittings, Add	192.20	
			For Above Ground Cast Iron Pipe Installation, Add	5.75	
			For Work In Restricted Working Space, Add	34.47	
22 13 16 00-0037	EA		10" Bell And Spigot Cast Iron Long Sweep.....	908.41	94.31
			For Extra Heavy Fittings, Add	268.45	
			For Above Ground Cast Iron Pipe Installation, Add	7.07	
			For Work In Restricted Working Space, Add	42.43	
22 13 16 00-0038	EA		12" Bell And Spigot Cast Iron Long Sweep.....	1,393.18	131.64
			For Extra Heavy Fittings, Add	418.53	
			For Above Ground Cast Iron Pipe Installation, Add	9.87	
			For Work In Restricted Working Space, Add	59.21	
22 13 16 00-0039	EA		15" Bell And Spigot Cast Iron Long Sweep.....	2,587.62	183.30
			For Extra Heavy Fittings, Add	809.48	
			For Above Ground Cast Iron Pipe Installation, Add	13.74	
			For Work In Restricted Working Space, Add	82.45	
22 13 16 00-0040			Bell And Spigot Cast Iron Short Sweeps (22 13 16 00-0030)		
22 13 16 00-0041	EA		2" Bell And Spigot Cast Iron Short Sweep.....	79.95	26.78
			For Extra Heavy Fittings, Add	13.93	
			For Above Ground Cast Iron Pipe Installation, Add	2.01	
			For Work In Restricted Working Space, Add	12.05	
22 13 16 00-0042	EA		3" Bell And Spigot Cast Iron Short Sweep.....	136.20	33.69
			For Extra Heavy Fittings, Add	30.01	
			For Above Ground Cast Iron Pipe Installation, Add	2.52	
			For Work In Restricted Working Space, Add	15.14	
22 13 16 00-0043	EA		4" Bell And Spigot Cast Iron Short Sweep.....	186.44	44.80
			For Extra Heavy Fittings, Add	41.75	
			For Above Ground Cast Iron Pipe Installation, Add	3.36	
			For Work In Restricted Working Space, Add	20.15	
22 13 16 00-0044	EA		5" Bell And Spigot Cast Iron Short Sweep.....	282.12	50.61
			For Extra Heavy Fittings, Add	72.19	
			For Above Ground Cast Iron Pipe Installation, Add	3.79	
			For Work In Restricted Working Space, Add	22.76	
22 13 16 00-0045	EA		6" Bell And Spigot Cast Iron Short Sweep.....	340.59	59.54
			For Extra Heavy Fittings, Add	87.97	
			For Above Ground Cast Iron Pipe Installation, Add	4.46	
			For Work In Restricted Working Space, Add	26.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0046 EA 8" Bell And Spigot Cast Iron Short Sweep	560.78	76.67
For Extra Heavy Fittings, Add	156.06	
For Above Ground Cast Iron Pipe Installation, Add	5.75	
For Work In Restricted Working Space, Add	34.47	
22 13 16 00-0047 EA 10" Bell And Spigot Cast Iron Short Sweep	820.31	94.31
For Extra Heavy Fittings, Add	237.61	
For Above Ground Cast Iron Pipe Installation, Add	7.07	
For Work In Restricted Working Space, Add	42.43	
22 13 16 00-0048 EA 12" Bell And Spigot Cast Iron Short Sweep	1,360.32	131.64
For Extra Heavy Fittings, Add	407.03	
For Above Ground Cast Iron Pipe Installation, Add	9.87	
For Work In Restricted Working Space, Add	59.21	
22 13 16 00-0049 Bell And Spigot Cast Iron 1/4 Bends (22 13 16 00-0030)		
22 13 16 00-0050 EA 2" Bell And Spigot Cast Iron 1/4 Bend.....	71.84	26.69
For Extra Heavy Fittings, Add	11.12	
For Above Ground Cast Iron Pipe Installation, Add	2.00	
For Work In Restricted Working Space, Add	12.02	
22 13 16 00-0051 EA 3" Bell And Spigot Cast Iron 1/4 Bend.....	108.60	30.05
For Extra Heavy Fittings, Add	22.23	
For Above Ground Cast Iron Pipe Installation, Add	2.25	
For Work In Restricted Working Space, Add	13.53	
22 13 16 00-0052 EA 4" Bell And Spigot Cast Iron 1/4 Bend.....	155.36	40.04
For Extra Heavy Fittings, Add	33.37	
For Above Ground Cast Iron Pipe Installation, Add	3.00	
For Work In Restricted Working Space, Add	18.01	
22 13 16 00-0053 EA 5" Bell And Spigot Cast Iron 1/4 Bend.....	195.75	45.20
For Extra Heavy Fittings, Add	44.81	
For Above Ground Cast Iron Pipe Installation, Add	3.39	
For Work In Restricted Working Space, Add	20.31	
22 13 16 00-0054 EA 6" Bell And Spigot Cast Iron 1/4 Bend.....	235.47	54.13
For Extra Heavy Fittings, Add	53.99	
For Above Ground Cast Iron Pipe Installation, Add	4.06	
For Work In Restricted Working Space, Add	24.37	
22 13 16 00-0055 EA 8" Bell And Spigot Cast Iron 1/4 Bend.....	488.57	70.59
For Extra Heavy Fittings, Add	133.97	
For Above Ground Cast Iron Pipe Installation, Add	5.29	
For Work In Restricted Working Space, Add	31.74	
22 13 16 00-0056 EA 10" Bell And Spigot Cast Iron 1/4 Bend.....	720.64	85.67
For Extra Heavy Fittings, Add	207.27	
For Above Ground Cast Iron Pipe Installation, Add	6.42	
For Work In Restricted Working Space, Add	38.53	
22 13 16 00-0057 EA 12" Bell And Spigot Cast Iron 1/4 Bend.....	950.15	101.12
For Extra Heavy Fittings, Add	279.48	
For Above Ground Cast Iron Pipe Installation, Add	7.58	
For Work In Restricted Working Space, Add	45.49	
22 13 16 00-0058 EA 15" Bell And Spigot Cast Iron 1/4 Bend.....	2,428.58	159.49
For Extra Heavy Fittings, Add	766.33	
For Above Ground Cast Iron Pipe Installation, Add	11.95	
For Work In Restricted Working Space, Add	71.72	
22 13 16 00-0059 Bell And Spigot Cast Iron 1/8 Bends (22 13 16 00-0030)		
22 13 16 00-0060 EA 2" Bell And Spigot Cast Iron 1/8 Bend.....	65.52	26.78
For Extra Heavy Fittings, Add	8.88	
For Above Ground Cast Iron Pipe Installation, Add	2.01	
For Work In Restricted Working Space, Add	12.05	
22 13 16 00-0061 EA 3" Bell And Spigot Cast Iron 1/8 Bend.....	102.81	33.69
For Extra Heavy Fittings, Add	18.33	
For Above Ground Cast Iron Pipe Installation, Add	2.52	
For Work In Restricted Working Space, Add	15.14	
22 13 16 00-0062 EA 4" Bell And Spigot Cast Iron 1/8 Bend.....	146.60	44.80
For Extra Heavy Fittings, Add	27.81	
For Above Ground Cast Iron Pipe Installation, Add	3.36	
For Work In Restricted Working Space, Add	20.15	
22 13 16 00-0063 EA 5" Bell And Spigot Cast Iron 1/8 Bend.....	184.95	56.57
For Extra Heavy Fittings, Add	35.06	
For Above Ground Cast Iron Pipe Installation, Add	4.24	
For Work In Restricted Working Space, Add	25.43	
22 13 16 00-0064 EA 6" Bell And Spigot Cast Iron 1/8 Bend.....	213.88	63.06
For Extra Heavy Fittings, Add	41.75	
For Above Ground Cast Iron Pipe Installation, Add	4.73	
For Work In Restricted Working Space, Add	28.38	
22 13 16 00-0065 EA 8" Bell And Spigot Cast Iron 1/8 Bend.....	425.28	84.57
For Extra Heavy Fittings, Add	104.47	
For Above Ground Cast Iron Pipe Installation, Add	6.34	
For Work In Restricted Working Space, Add	38.04	
22 13 16 00-0066 EA 10" Bell And Spigot Cast Iron 1/8 Bend.....	594.87	104.34
For Extra Heavy Fittings, Add	153.44	
For Above Ground Cast Iron Pipe Installation, Add	7.82	
For Work In Restricted Working Space, Add	46.94	



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0067 EA 12" Bell And Spigot Cast Iron 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	961.39 265.50 10.14 60.84	135.31
22 13 16 00-0068 EA 15" Bell And Spigot Cast Iron 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	1,842.92 561.34 11.95 71.72	159.49
22 13 16 00-0069 Bell And Spigot Cast Iron Wyes (22 13 16 00-0030)		
22 13 16 00-0070 EA 2" Bell And Spigot Cast Iron Wye..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	114.16 8.54 4.49 26.93	59.83
22 13 16 00-0071 EA 3" Bell And Spigot Cast Iron Wye..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	143.97 16.00 4.91 29.48	65.53
22 13 16 00-0072 EA 4" Bell And Spigot Cast Iron Wye..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	189.56 21.30 6.44 38.61	85.87
22 13 16 00-0073 EA 5" Bell And Spigot Cast Iron Wye..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	247.37 35.49 7.30 43.79	97.35
22 13 16 00-0074 EA 6" Bell And Spigot Cast Iron Wye..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	310.40 48.08 8.65 51.91	115.38
22 13 16 00-0075 EA 8" Bell And Spigot Cast Iron Wye..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	568.42 117.90 11.58 69.47	154.43
22 13 16 00-0076 EA 10" Bell And Spigot Cast Iron Wye..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	797.32 187.14 13.13 78.79	175.21
22 13 16 00-0077 EA 12" Bell And Spigot Cast Iron Wye..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	1,179.92 301.06 15.99 95.92	213.27
22 13 16 00-0078 EA 15" Bell And Spigot Cast Iron Wye..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	1,831.65 515.52 17.94 107.62	239.28
22 13 16 00-0079 Bell And Spigot Cast Iron Reducing Wyes (22 13 16 00-0030)		
22 13 16 00-0080 EA 3" x 2" Bell And Spigot Cast Iron Reducing Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	181.57 30.73 4.69 28.13	62.53
22 13 16 00-0081 EA 4" x 2" Bell And Spigot Cast Iron Reducing Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	220.97 36.77 5.80 34.78	77.29
22 13 16 00-0082 EA 4" x 3" Bell And Spigot Cast Iron Reducing Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	246.76 44.76 5.94 35.66	79.24
22 13 16 00-0083 EA 6" x 2" Bell And Spigot Cast Iron Reducing Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	368.07 74.60 7.75 46.48	103.38
22 13 16 00-0084 EA 6" x 3" Bell And Spigot Cast Iron Reducing Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	377.62 76.91 7.89 47.36	105.28
22 13 16 00-0085 EA 6" x 4" Bell And Spigot Cast Iron Reducing Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	395.24 79.39 8.42 50.52	112.32
22 13 16 00-0086 EA 8" x 2" Bell And Spigot Cast Iron Reducing Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	581.51 138.37 9.31 55.85	124.19
22 13 16 00-0087 EA 8" x 3" Bell And Spigot Cast Iron Reducing Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	607.89 146.36 9.49 56.92	126.58



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0088	EA	8" x 4" Bell And Spigot Cast Iron Reducing Wye.....	622.50	132.56
		For Extra Heavy Fittings, Add	148.31	
		For Above Ground Cast Iron Pipe Installation, Add	9.94	
		For Work In Restricted Working Space, Add	59.63	
22 13 16 00-0089	EA	8" x 6" Bell And Spigot Cast Iron Reducing Wye.....	735.70	147.45
		For Extra Heavy Fittings, Add	180.11	
		For Above Ground Cast Iron Pipe Installation, Add	11.06	
		For Work In Restricted Working Space, Add	66.33	
22 13 16 00-0090	EA	10" x 3" Bell And Spigot Cast Iron Reducing Wye.....	907.99	138.16
		For Extra Heavy Fittings, Add	245.29	
		For Above Ground Cast Iron Pipe Installation, Add	10.36	
		For Work In Restricted Working Space, Add	62.15	
22 13 16 00-0091	EA	10" x 4" Bell And Spigot Cast Iron Reducing Wye.....	944.52	144.23
		For Extra Heavy Fittings, Add	254.88	
		For Above Ground Cast Iron Pipe Installation, Add	10.81	
		For Work In Restricted Working Space, Add	64.89	
22 13 16 00-0092	EA	10" x 6" Bell And Spigot Cast Iron Reducing Wye.....	1,033.29	159.49
		For Extra Heavy Fittings, Add	277.97	
		For Above Ground Cast Iron Pipe Installation, Add	11.95	
		For Work In Restricted Working Space, Add	71.72	
22 13 16 00-0093	EA	10" x 8" Bell And Spigot Cast Iron Reducing Wye.....	1,367.00	169.14
		For Extra Heavy Fittings, Add	389.69	
		For Above Ground Cast Iron Pipe Installation, Add	12.68	
		For Work In Restricted Working Space, Add	76.08	
22 13 16 00-0094	EA	12" x 4" Bell And Spigot Cast Iron Reducing Wye.....	1,407.09	169.14
		For Extra Heavy Fittings, Add	403.73	
		For Above Ground Cast Iron Pipe Installation, Add	12.68	
		For Work In Restricted Working Space, Add	76.08	
22 13 16 00-0095	EA	12" x 6" Bell And Spigot Cast Iron Reducing Wye.....	1,464.36	183.30
		For Extra Heavy Fittings, Add	416.34	
		For Above Ground Cast Iron Pipe Installation, Add	13.74	
		For Work In Restricted Working Space, Add	82.45	
22 13 16 00-0096	EA	12" x 8" Bell And Spigot Cast Iron Reducing Wye.....	1,720.00	192.40
		For Extra Heavy Fittings, Add	501.06	
		For Above Ground Cast Iron Pipe Installation, Add	14.42	
		For Work In Restricted Working Space, Add	86.52	
22 13 16 00-0097	EA	12" x 10" Bell And Spigot Cast Iron Reducing Wye.....	2,091.47	198.10
		For Extra Heavy Fittings, Add	628.06	
		For Above Ground Cast Iron Pipe Installation, Add	14.85	
		For Work In Restricted Working Space, Add	89.10	
22 13 16 00-0098	EA	15" x 4" Bell And Spigot Cast Iron Reducing Wye.....	3,460.94	186.79
		For Extra Heavy Fittings, Add	1,113.31	
		For Above Ground Cast Iron Pipe Installation, Add	14.00	
		For Work In Restricted Working Space, Add	84.02	
22 13 16 00-0099	EA	15" x 6" Bell And Spigot Cast Iron Reducing Wye.....	3,611.91	202.14
		For Extra Heavy Fittings, Add	1,158.07	
		For Above Ground Cast Iron Pipe Installation, Add	15.16	
		For Work In Restricted Working Space, Add	90.94	
22 13 16 00-0100	EA	15" x 8" Bell And Spigot Cast Iron Reducing Wye.....	3,685.85	210.87
		For Extra Heavy Fittings, Add	1,179.39	
		For Above Ground Cast Iron Pipe Installation, Add	15.81	
		For Work In Restricted Working Space, Add	94.85	
22 13 16 00-0101	EA	15" x 10" Bell And Spigot Cast Iron Reducing Wye.....	3,771.63	218.05
		For Extra Heavy Fittings, Add	1,205.67	
		For Above Ground Cast Iron Pipe Installation, Add	16.34	
		For Work In Restricted Working Space, Add	98.06	
22 13 16 00-0102	EA	15" x 12" Bell And Spigot Cast Iron Reducing Wye.....	3,866.81	230.73
		For Extra Heavy Fittings, Add	1,232.32	
		For Above Ground Cast Iron Pipe Installation, Add	17.30	
		For Work In Restricted Working Space, Add	103.77	
22 13 16 00-0103		Bell And Spigot Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0030)		
22 13 16 00-0104	EA	2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	124.61	59.83
		For Extra Heavy Fittings, Add	12.20	
		For Above Ground Cast Iron Pipe Installation, Add	4.49	
		For Work In Restricted Working Space, Add	26.93	
22 13 16 00-0105	EA	3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	150.42	65.53
		For Extra Heavy Fittings, Add	18.26	
		For Above Ground Cast Iron Pipe Installation, Add	4.91	
		For Work In Restricted Working Space, Add	29.48	
22 13 16 00-0106	EA	4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	200.77	85.87
		For Extra Heavy Fittings, Add	25.22	
		For Above Ground Cast Iron Pipe Installation, Add	6.44	
		For Work In Restricted Working Space, Add	38.61	
22 13 16 00-0107	EA	5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	283.63	102.12
		For Extra Heavy Fittings, Add	45.70	
		For Above Ground Cast Iron Pipe Installation, Add	7.65	
		For Work In Restricted Working Space, Add	45.92	
22 13 16 00-0108	EA	6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	355.21	126.66
		For Extra Heavy Fittings, Add	57.87	
		For Above Ground Cast Iron Pipe Installation, Add	9.49	
		For Work In Restricted Working Space, Add	56.96	



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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0109	EA	8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	651.77	166.29
		For Extra Heavy Fittings, Add	140.87	
		For Above Ground Cast Iron Pipe Installation, Add	12.46	
		For Work In Restricted Working Space, Add	74.79	
22 13 16 00-0110	EA	10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	940.91	218.05
		For Extra Heavy Fittings, Add	214.92	
		For Above Ground Cast Iron Pipe Installation, Add	16.34	
		For Work In Restricted Working Space, Add	98.06	
22 13 16 00-0111	EA	12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	1,261.70	280.28
		For Extra Heavy Fittings, Add	294.52	
		For Above Ground Cast Iron Pipe Installation, Add	21.01	
		For Work In Restricted Working Space, Add	126.07	
22 13 16 00-0112		Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends (22 13 16 00-0030)		
22 13 16 00-0113	EA	3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	132.91	62.53
		For Extra Heavy Fittings, Add	13.70	
		For Above Ground Cast Iron Pipe Installation, Add	4.69	
		For Work In Restricted Working Space, Add	28.13	
22 13 16 00-0114	EA	4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	187.79	77.29
		For Extra Heavy Fittings, Add	25.15	
		For Above Ground Cast Iron Pipe Installation, Add	5.80	
		For Work In Restricted Working Space, Add	34.78	
22 13 16 00-0115	EA	4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	202.96	79.24
		For Extra Heavy Fittings, Add	29.43	
		For Above Ground Cast Iron Pipe Installation, Add	5.94	
		For Work In Restricted Working Space, Add	35.66	
22 13 16 00-0116	EA	6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	305.27	103.38
		For Extra Heavy Fittings, Add	52.62	
		For Above Ground Cast Iron Pipe Installation, Add	7.75	
		For Work In Restricted Working Space, Add	46.48	
22 13 16 00-0117	EA	6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	318.00	105.28
		For Extra Heavy Fittings, Add	56.04	
		For Above Ground Cast Iron Pipe Installation, Add	7.89	
		For Work In Restricted Working Space, Add	47.36	
22 13 16 00-0118	EA	6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	337.07	112.32
		For Extra Heavy Fittings, Add	59.03	
		For Above Ground Cast Iron Pipe Installation, Add	8.42	
		For Work In Restricted Working Space, Add	50.52	
22 13 16 00-0119	EA	8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	464.85	124.19
		For Extra Heavy Fittings, Add	97.53	
		For Above Ground Cast Iron Pipe Installation, Add	9.31	
		For Work In Restricted Working Space, Add	55.85	
22 13 16 00-0120	EA	8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	477.42	132.56
		For Extra Heavy Fittings, Add	97.53	
		For Above Ground Cast Iron Pipe Installation, Add	9.94	
		For Work In Restricted Working Space, Add	59.63	
22 13 16 00-0121	EA	8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	603.68	147.45
		For Extra Heavy Fittings, Add	133.90	
		For Above Ground Cast Iron Pipe Installation, Add	11.06	
		For Work In Restricted Working Space, Add	66.33	
22 13 16 00-0122		Bell And Spigot Cast Iron Double Wyes (22 13 16 00-0030)		
22 13 16 00-0123	EA	2" Bell And Spigot Cast Iron Double Wye	203.71	71.59
		For Extra Heavy Fittings, Add	33.75	
		For Above Ground Cast Iron Pipe Installation, Add	5.36	
		For Work In Restricted Working Space, Add	32.19	
22 13 16 00-0124	EA	3" Bell And Spigot Cast Iron Double Wye	297.16	90.25
		For Extra Heavy Fittings, Add	56.66	
		For Above Ground Cast Iron Pipe Installation, Add	6.76	
		For Work In Restricted Working Space, Add	40.58	
22 13 16 00-0125	EA	4" Bell And Spigot Cast Iron Double Wye	403.63	114.15
		For Extra Heavy Fittings, Add	81.35	
		For Above Ground Cast Iron Pipe Installation, Add	8.56	
		For Work In Restricted Working Space, Add	51.36	
22 13 16 00-0126	EA	6" Bell And Spigot Cast Iron Double Wye	781.39	177.27
		For Extra Heavy Fittings, Add	180.46	
		For Above Ground Cast Iron Pipe Installation, Add	13.29	
		For Work In Restricted Working Space, Add	79.74	
22 13 16 00-0127	EA	8" Bell And Spigot Cast Iron Double Wye	1,567.94	208.76
		For Extra Heavy Fittings, Add	439.25	
		For Above Ground Cast Iron Pipe Installation, Add	15.65	
		For Work In Restricted Working Space, Add	93.88	
22 13 16 00-0128	EA	10" Bell And Spigot Cast Iron Double Wye	2,079.19	233.58
		For Extra Heavy Fittings, Add	605.15	
		For Above Ground Cast Iron Pipe Installation, Add	17.51	
		For Work In Restricted Working Space, Add	105.06	
22 13 16 00-0129	EA	12" Bell And Spigot Cast Iron Double Wye	1,438.08	280.28
		For Extra Heavy Fittings, Add	356.25	
		For Above Ground Cast Iron Pipe Installation, Add	21.01	
		For Work In Restricted Working Space, Add	126.07	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0130 EA 15" Bell And Spigot Cast Iron Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	4,070.19 1,270.13 22.06 132.38	294.16
22 13 16 00-0131 Bell And Spigot Cast Iron Reducing Double Wyes (22 13 16 00-0030)		
22 13 16 00-0132 EA 3" x 2" Bell And Spigot Cast Iron Reducing Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	183.85 19.91 6.35 38.09	84.66
22 13 16 00-0133 EA 4" x 2" Bell And Spigot Cast Iron Reducing Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	213.69 23.75 7.29 43.75	97.26
22 13 16 00-0134 EA 4" x 3" Bell And Spigot Cast Iron Reducing Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	231.63 27.51 7.65 45.91	102.02
22 13 16 00-0135 EA 6" x 2" Bell And Spigot Cast Iron Reducing Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	301.66 41.07 9.22 55.30	122.97
22 13 16 00-0136 EA 6" x 3" Bell And Spigot Cast Iron Reducing Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	319.85 44.97 9.57 57.41	127.66
22 13 16 00-0137 EA 6" x 4" Bell And Spigot Cast Iron Reducing Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	368.24 55.84 10.43 62.61	139.21
22 13 16 00-0138 EA 8" x 4" Bell And Spigot Cast Iron Reducing Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	595.38 123.99 12.06 72.33	160.87
22 13 16 00-0139 EA 8" x 6" Bell And Spigot Cast Iron Reducing Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	648.03 126.89 14.27 85.65	190.37
22 13 16 00-0140 EA 10" x 4" Bell And Spigot Cast Iron Reducing Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	634.23 131.67 12.90 77.41	172.08
22 13 16 00-0141 EA 10" x 6" Bell And Spigot Cast Iron Reducing Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	739.11 152.59 15.16 90.94	202.14
22 13 16 00-0142 EA 10" x 8" Bell And Spigot Cast Iron Reducing Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	911.69 203.46 16.52 99.11	220.34
22 13 16 00-0143 EA 12" x 6" Bell And Spigot Cast Iron Reducing Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	931.20 207.63 16.90 101.39	225.40
22 13 16 00-0144 EA 12" x 8" Bell And Spigot Cast Iron Reducing Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	1,191.70 288.40 18.39 110.31	245.25
22 13 16 00-0145 Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends (22 13 16 00-0030)		
22 13 16 00-0146 EA 2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	169.15 21.65 5.36 32.19	71.59
22 13 16 00-0147 EA 3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	227.84 29.48 7.18 43.08	95.77
22 13 16 00-0148 EA 4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	298.05 41.49 8.98 53.85	119.75
22 13 16 00-0149 EA 6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	664.57 128.63 14.85 89.12	198.12
22 13 16 00-0150 Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0030)		



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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0151	EA	3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	226.49	85.87
		For Extra Heavy Fittings, Add	34.22	
		For Above Ground Cast Iron Pipe Installation, Add	6.44	
		For Work In Restricted Working Space, Add	38.61	
22 13 16 00-0152	EA	4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	269.04	97.26
		For Extra Heavy Fittings, Add	43.12	
		For Above Ground Cast Iron Pipe Installation, Add	7.29	
		For Work In Restricted Working Space, Add	43.75	
22 13 16 00-0153	EA	4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	302.11	108.28
		For Extra Heavy Fittings, Add	48.94	
		For Above Ground Cast Iron Pipe Installation, Add	8.11	
		For Work In Restricted Working Space, Add	48.68	
22 13 16 00-0154	EA	6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	613.92	147.78
		For Extra Heavy Fittings, Add	137.32	
		For Above Ground Cast Iron Pipe Installation, Add	11.08	
		For Work In Restricted Working Space, Add	66.47	
22 13 16 00-0155 Bell And Spigot Cast Iron Sanitary Tees (22 13 16 00-0030)				
22 13 16 00-0156	EA	2" Bell And Spigot Cast Iron Sanitary Tee	138.04	59.92
		For Extra Heavy Fittings, Add	16.87	
		For Above Ground Cast Iron Pipe Installation, Add	4.49	
		For Work In Restricted Working Space, Add	26.95	
22 13 16 00-0157	EA	3" Bell And Spigot Cast Iron Sanitary Tee	157.12	65.53
		For Extra Heavy Fittings, Add	20.60	
		For Above Ground Cast Iron Pipe Installation, Add	4.91	
		For Work In Restricted Working Space, Add	29.48	
22 13 16 00-0158	EA	4" Bell And Spigot Cast Iron Sanitary Tee	254.39	80.27
		For Extra Heavy Fittings, Add	46.89	
		For Above Ground Cast Iron Pipe Installation, Add	6.02	
		For Work In Restricted Working Space, Add	36.12	
22 13 16 00-0159	EA	5" Bell And Spigot Cast Iron Sanitary Tee	373.58	90.04
		For Extra Heavy Fittings, Add	83.48	
		For Above Ground Cast Iron Pipe Installation, Add	6.75	
		For Work In Restricted Working Space, Add	40.52	
22 13 16 00-0160	EA	6" Bell And Spigot Cast Iron Sanitary Tee	448.15	107.99
		For Extra Heavy Fittings, Add	100.18	
		For Above Ground Cast Iron Pipe Installation, Add	8.10	
		For Work In Restricted Working Space, Add	48.58	
22 13 16 00-0161	EA	8" Bell And Spigot Cast Iron Sanitary Tee	965.17	141.11
		For Extra Heavy Fittings, Add	263.76	
		For Above Ground Cast Iron Pipe Installation, Add	10.58	
		For Work In Restricted Working Space, Add	63.47	
22 13 16 00-0162	EA	10" Bell And Spigot Cast Iron Sanitary Tee	1,451.62	172.08
		For Extra Heavy Fittings, Add	417.76	
		For Above Ground Cast Iron Pipe Installation, Add	12.90	
		For Work In Restricted Working Space, Add	77.41	
22 13 16 00-0163	EA	12" Bell And Spigot Cast Iron Sanitary Tee	2,167.62	202.14
		For Extra Heavy Fittings, Add	652.57	
		For Above Ground Cast Iron Pipe Installation, Add	15.16	
		For Work In Restricted Working Space, Add	90.94	
22 13 16 00-0164 Bell And Spigot Cast Iron Reducing Sanitary Tees (22 13 16 00-0030)				
22 13 16 00-0165	EA	3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	186.14	62.53
		For Extra Heavy Fittings, Add	32.33	
		For Above Ground Cast Iron Pipe Installation, Add	4.69	
		For Work In Restricted Working Space, Add	28.13	
22 13 16 00-0166	EA	4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	220.44	73.27
		For Extra Heavy Fittings, Add	38.72	
		For Above Ground Cast Iron Pipe Installation, Add	5.49	
		For Work In Restricted Working Space, Add	32.94	
22 13 16 00-0167	EA	4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	231.10	73.27
		For Extra Heavy Fittings, Add	42.45	
		For Above Ground Cast Iron Pipe Installation, Add	5.49	
		For Work In Restricted Working Space, Add	32.94	
22 13 16 00-0168	EA	6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	353.86	103.38
		For Extra Heavy Fittings, Add	69.63	
		For Above Ground Cast Iron Pipe Installation, Add	7.75	
		For Work In Restricted Working Space, Add	46.48	
22 13 16 00-0169	EA	6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	368.48	105.28
		For Extra Heavy Fittings, Add	73.71	
		For Above Ground Cast Iron Pipe Installation, Add	7.89	
		For Work In Restricted Working Space, Add	47.36	
22 13 16 00-0170	EA	6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	399.81	112.32
		For Extra Heavy Fittings, Add	80.99	
		For Above Ground Cast Iron Pipe Installation, Add	8.42	
		For Work In Restricted Working Space, Add	50.52	
22 13 16 00-0171	EA	8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	682.89	132.56
		For Extra Heavy Fittings, Add	169.45	
		For Above Ground Cast Iron Pipe Installation, Add	9.94	
		For Work In Restricted Working Space, Add	59.63	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0172	EA	8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee	.....	858.00	147.45
		For Extra Heavy Fittings, Add		222.91	
		For Above Ground Cast Iron Pipe Installation, Add		11.06	
		For Work In Restricted Working Space, Add		66.33	
22 13 16 00-0173 Bell And Spigot Cast Iron Vent Tees (22 13 16 00-0030)					
22 13 16 00-0174	EA	2" Bell And Spigot Cast Iron Vent Tee	.....	117.92	59.83
		For Extra Heavy Fittings, Add		9.86	
		For Above Ground Cast Iron Pipe Installation, Add		4.49	
		For Work In Restricted Working Space, Add		26.93	
22 13 16 00-0175	EA	3" Bell And Spigot Cast Iron Vent Tee	.....	147.27	65.53
		For Extra Heavy Fittings, Add		17.16	
		For Above Ground Cast Iron Pipe Installation, Add		4.91	
		For Work In Restricted Working Space, Add		29.48	
22 13 16 00-0176	EA	4" Bell And Spigot Cast Iron Vent Tee	.....	195.14	85.87
		For Extra Heavy Fittings, Add		23.25	
		For Above Ground Cast Iron Pipe Installation, Add		6.44	
		For Work In Restricted Working Space, Add		38.61	
22 13 16 00-0177	EA	5" Bell And Spigot Cast Iron Vent Tee	.....	252.17	102.12
		For Extra Heavy Fittings, Add		34.69	
		For Above Ground Cast Iron Pipe Installation, Add		7.65	
		For Work In Restricted Working Space, Add		45.92	
22 13 16 00-0178	EA	6" Bell And Spigot Cast Iron Vent Tee	.....	317.55	126.66
		For Extra Heavy Fittings, Add		44.69	
		For Above Ground Cast Iron Pipe Installation, Add		9.49	
		For Work In Restricted Working Space, Add		56.96	
22 13 16 00-0179	EA	8" Bell And Spigot Cast Iron Vent Tee	.....	546.42	166.29
		For Extra Heavy Fittings, Add		104.00	
		For Above Ground Cast Iron Pipe Installation, Add		12.46	
		For Work In Restricted Working Space, Add		74.79	
22 13 16 00-0180 Bell And Spigot Cast Iron Tapped Sanitary Tees (22 13 16 00-0030)					
22 13 16 00-0181	EA	2" Bell And Spigot Cast Iron Tapped Sanitary Tee	.....	121.21	59.83
		For Extra Heavy Fittings, Add		11.01	
		For Above Ground Cast Iron Pipe Installation, Add		4.49	
		For Work In Restricted Working Space, Add		26.93	
22 13 16 00-0182	EA	3" Bell And Spigot Cast Iron Tapped Sanitary Tee	.....	133.82	65.53
		For Extra Heavy Fittings, Add		12.45	
		For Above Ground Cast Iron Pipe Installation, Add		4.91	
		For Work In Restricted Working Space, Add		29.48	
22 13 16 00-0183	EA	4" Bell And Spigot Cast Iron Tapped Sanitary Tee	.....	172.56	85.87
		For Extra Heavy Fittings, Add		15.35	
		For Above Ground Cast Iron Pipe Installation, Add		6.44	
		For Work In Restricted Working Space, Add		38.61	
22 13 16 00-0184 Bell And Spigot Cast Iron Tapped Sanitary Crosses (22 13 16 00-0030)					
22 13 16 00-0185	EA	2" Bell And Spigot Cast Iron Tapped Sanitary Cross	.....	123.29	59.83
		For Extra Heavy Fittings, Add		11.74	
		For Above Ground Cast Iron Pipe Installation, Add		4.49	
		For Work In Restricted Working Space, Add		26.93	
22 13 16 00-0186	EA	3" Bell And Spigot Cast Iron Tapped Sanitary Cross	.....	137.78	65.53
		For Extra Heavy Fittings, Add		13.84	
		For Above Ground Cast Iron Pipe Installation, Add		4.91	
		For Work In Restricted Working Space, Add		29.48	
22 13 16 00-0187	EA	4" Bell And Spigot Cast Iron Tapped Sanitary Cross	.....	182.50	85.87
		For Extra Heavy Fittings, Add		18.83	
		For Above Ground Cast Iron Pipe Installation, Add		6.44	
		For Work In Restricted Working Space, Add		38.61	
22 13 16 00-0188 Bell And Spigot Cast Iron Reducers (22 13 16 00-0030)					
22 13 16 00-0189	EA	3" x 2" Bell And Spigot Cast Iron Reducer	.....	68.26	33.69
		For Extra Heavy Fittings, Add		6.23	
		For Above Ground Cast Iron Pipe Installation, Add		2.52	
		For Work In Restricted Working Space, Add		15.14	
22 13 16 00-0190	EA	4" x 2" Bell And Spigot Cast Iron Reducer	.....	85.29	44.43
		For Extra Heavy Fittings, Add		6.52	
		For Above Ground Cast Iron Pipe Installation, Add		3.33	
		For Work In Restricted Working Space, Add		20.00	
22 13 16 00-0191	EA	4" x 3" Bell And Spigot Cast Iron Reducer	.....	91.36	44.80
		For Extra Heavy Fittings, Add		8.47	
		For Above Ground Cast Iron Pipe Installation, Add		3.36	
		For Work In Restricted Working Space, Add		20.15	
22 13 16 00-0192	EA	6" x 2" Bell And Spigot Cast Iron Reducer	.....	117.18	54.67
		For Extra Heavy Fittings, Add		12.31	
		For Above Ground Cast Iron Pipe Installation, Add		4.10	
		For Work In Restricted Working Space, Add		24.60	
22 13 16 00-0193	EA	6" x 3" Bell And Spigot Cast Iron Reducer	.....	122.62	55.40
		For Extra Heavy Fittings, Add		13.84	
		For Above Ground Cast Iron Pipe Installation, Add		4.15	
		For Work In Restricted Working Space, Add		24.93	



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0194	EA		6" x 4" Bell And Spigot Cast Iron Reducer	126.59	56.57
			For Extra Heavy Fittings, Add	14.64	
			For Above Ground Cast Iron Pipe Installation, Add	4.24	
			For Work In Restricted Working Space, Add	25.43	
22 13 16 00-0195	EA		8" x 2" Bell And Spigot Cast Iron Reducer	164.58	58.28
			For Extra Heavy Fittings, Add	27.02	
			For Above Ground Cast Iron Pipe Installation, Add	4.37	
			For Work In Restricted Working Space, Add	26.22	
22 13 16 00-0196	EA		8" x 3" Bell And Spigot Cast Iron Reducer	185.35	71.61
			For Extra Heavy Fittings, Add	27.30	
			For Above Ground Cast Iron Pipe Installation, Add	5.37	
			For Work In Restricted Working Space, Add	32.21	
22 13 16 00-0197	EA		8" x 4" Bell And Spigot Cast Iron Reducer	190.24	73.45
			For Extra Heavy Fittings, Add	28.03	
			For Above Ground Cast Iron Pipe Installation, Add	5.51	
			For Work In Restricted Working Space, Add	33.05	
22 13 16 00-0198	EA		8" x 6" Bell And Spigot Cast Iron Reducer	196.45	76.67
			For Extra Heavy Fittings, Add	28.54	
			For Above Ground Cast Iron Pipe Installation, Add	5.75	
			For Work In Restricted Working Space, Add	34.47	
22 13 16 00-0199	EA		10" x 4" Bell And Spigot Cast Iron Reducer	245.74	86.04
			For Extra Heavy Fittings, Add	40.85	
			For Above Ground Cast Iron Pipe Installation, Add	6.45	
			For Work In Restricted Working Space, Add	38.71	
22 13 16 00-0200	EA		10" x 6" Bell And Spigot Cast Iron Reducer	259.11	90.36
			For Extra Heavy Fittings, Add	43.25	
			For Above Ground Cast Iron Pipe Installation, Add	6.78	
			For Work In Restricted Working Space, Add	40.66	
22 13 16 00-0201	EA		10" x 8" Bell And Spigot Cast Iron Reducer	276.16	94.31
			For Extra Heavy Fittings, Add	47.16	
			For Above Ground Cast Iron Pipe Installation, Add	7.07	
			For Work In Restricted Working Space, Add	42.43	
22 13 16 00-0202	EA		12" x 4" Bell And Spigot Cast Iron Reducer	343.77	102.22
			For Extra Heavy Fittings, Add	66.70	
			For Above Ground Cast Iron Pipe Installation, Add	7.66	
			For Work In Restricted Working Space, Add	45.96	
22 13 16 00-0203	EA		12" x 6" Bell And Spigot Cast Iron Reducer	383.16	119.60
			For Extra Heavy Fittings, Add	71.33	
			For Above Ground Cast Iron Pipe Installation, Add	8.97	
			For Work In Restricted Working Space, Add	53.81	
22 13 16 00-0204	EA		12" x 8" Bell And Spigot Cast Iron Reducer	414.11	136.23
			For Extra Heavy Fittings, Add	73.44	
			For Above Ground Cast Iron Pipe Installation, Add	10.21	
			For Work In Restricted Working Space, Add	61.28	
22 13 16 00-0205	EA		12" x 10" Bell And Spigot Cast Iron Reducer	453.36	156.91
			For Extra Heavy Fittings, Add	76.34	
			For Above Ground Cast Iron Pipe Installation, Add	11.76	
			For Work In Restricted Working Space, Add	70.58	
22 13 16 00-0206	EA		15" x 6" Bell And Spigot Cast Iron Reducer	594.50	156.91
			For Extra Heavy Fittings, Add	125.74	
			For Above Ground Cast Iron Pipe Installation, Add	11.76	
			For Work In Restricted Working Space, Add	70.58	
22 13 16 00-0207	EA		15" x 8" Bell And Spigot Cast Iron Reducer	632.48	169.14
			For Extra Heavy Fittings, Add	132.61	
			For Above Ground Cast Iron Pipe Installation, Add	12.68	
			For Work In Restricted Working Space, Add	76.08	
22 13 16 00-0208	EA		15" x 10" Bell And Spigot Cast Iron Reducer	658.48	178.33
			For Extra Heavy Fittings, Add	136.87	
			For Above Ground Cast Iron Pipe Installation, Add	13.37	
			For Work In Restricted Working Space, Add	80.23	
22 13 16 00-0209	EA		15" x 12" Bell And Spigot Cast Iron Reducer	693.76	190.37
			For Extra Heavy Fittings, Add	142.89	
			For Above Ground Cast Iron Pipe Installation, Add	14.27	
			For Work In Restricted Working Space, Add	85.65	
22 13 16 00-0210			Bell And Spigot Cast Iron P-Traps (22 13 16 00-0030)		
22 13 16 00-0211	EA		2" Bell And Spigot Cast Iron P-Trap	70.60	26.78
			For Extra Heavy Fittings, Add	10.66	
			For Above Ground Cast Iron Pipe Installation, Add	2.01	
			For Work In Restricted Working Space, Add	12.05	
22 13 16 00-0212	EA		3" Bell And Spigot Cast Iron P-Trap	94.75	33.69
			For Extra Heavy Fittings, Add	15.51	
			For Above Ground Cast Iron Pipe Installation, Add	2.52	
			For Work In Restricted Working Space, Add	15.14	
22 13 16 00-0213	EA		4" Bell And Spigot Cast Iron P-Trap	129.21	44.80
			For Extra Heavy Fittings, Add	21.72	
			For Above Ground Cast Iron Pipe Installation, Add	3.36	
			For Work In Restricted Working Space, Add	20.15	
22 13 16 00-0214	EA		5" Bell And Spigot Cast Iron P-Trap	208.91	50.61
			For Extra Heavy Fittings, Add	46.57	
			For Above Ground Cast Iron Pipe Installation, Add	3.79	
			For Work In Restricted Working Space, Add	22.76	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0215	EA	6" Bell And Spigot Cast Iron P-Trap	280.87	59.54
		For Extra Heavy Fittings, Add	67.07	
		For Above Ground Cast Iron Pipe Installation, Add	4.46	
		For Work In Restricted Working Space, Add	26.78	
22 13 16 00-0216	EA	8" Bell And Spigot Cast Iron P-Trap	626.44	76.67
		For Extra Heavy Fittings, Add	179.04	
		For Above Ground Cast Iron Pipe Installation, Add	5.75	
		For Work In Restricted Working Space, Add	34.47	
22 13 16 00-0217	EA	10" Bell And Spigot Cast Iron P-Trap	694.07	94.31
		For Extra Heavy Fittings, Add	193.43	
		For Above Ground Cast Iron Pipe Installation, Add	7.07	
		For Work In Restricted Working Space, Add	42.43	
22 13 16 00-0218 Bell And Spigot Cast Iron Deep Seal P-Traps (22 13 16 00-0030)				
22 13 16 00-0219	EA	2" Bell And Spigot Cast Iron Deep Seal P-Trap	82.17	26.78
		For Extra Heavy Fittings, Add	14.71	
		For Above Ground Cast Iron Pipe Installation, Add	2.01	
		For Work In Restricted Working Space, Add	12.05	
22 13 16 00-0220	EA	3" Bell And Spigot Cast Iron Deep Seal P-Trap	117.49	33.69
		For Extra Heavy Fittings, Add	23.46	
		For Above Ground Cast Iron Pipe Installation, Add	2.52	
		For Work In Restricted Working Space, Add	15.14	
22 13 16 00-0221	EA	4" Bell And Spigot Cast Iron Deep Seal P-Trap	171.49	44.80
		For Extra Heavy Fittings, Add	36.52	
		For Above Ground Cast Iron Pipe Installation, Add	3.36	
		For Work In Restricted Working Space, Add	20.15	
22 13 16 00-0222	EA	5" Bell And Spigot Cast Iron Deep Seal P-Trap	284.67	56.57
		For Extra Heavy Fittings, Add	69.97	
		For Above Ground Cast Iron Pipe Installation, Add	4.24	
		For Work In Restricted Working Space, Add	25.43	
22 13 16 00-0223	EA	6" Bell And Spigot Cast Iron Deep Seal P-Trap	301.95	63.06
		For Extra Heavy Fittings, Add	72.58	
		For Above Ground Cast Iron Pipe Installation, Add	4.73	
		For Work In Restricted Working Space, Add	28.38	
22 13 16 00-0224 Bell And Spigot Cast Iron Running Traps With Single Vent (22 13 16 00-0030)				
22 13 16 00-0225	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent	189.20	64.68
		For Above Ground Cast Iron Pipe Installation, Add	4.91	
		For Work In Restricted Working Space, Add	29.48	
22 13 16 00-0226	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	252.51	85.03
		For Above Ground Cast Iron Pipe Installation, Add	6.44	
		For Work In Restricted Working Space, Add	38.61	
22 13 16 00-0227	EA	5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	345.65	98.25
		For Above Ground Cast Iron Pipe Installation, Add	7.43	
		For Work In Restricted Working Space, Add	44.56	
22 13 16 00-0228	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	699.03	111.33
		For Above Ground Cast Iron Pipe Installation, Add	8.42	
		For Work In Restricted Working Space, Add	50.52	
22 13 16 00-0229	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	2,305.36	131.08
		For Above Ground Cast Iron Pipe Installation, Add	9.94	
		For Work In Restricted Working Space, Add	59.63	
22 13 16 00-0230	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent	2,495.92	146.26
		For Above Ground Cast Iron Pipe Installation, Add	11.06	
		For Work In Restricted Working Space, Add	66.33	
22 13 16 00-0231 Bell And Spigot Cast Running Traps With Double Vent (22 13 16 00-0030)				
22 13 16 00-0232	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent	241.53	89.33
		For Above Ground Cast Iron Pipe Installation, Add	6.76	
		For Work In Restricted Working Space, Add	40.58	
22 13 16 00-0233	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	330.60	112.75
		For Above Ground Cast Iron Pipe Installation, Add	8.56	
		For Work In Restricted Working Space, Add	51.36	
22 13 16 00-0234	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	778.51	137.58
		For Above Ground Cast Iron Pipe Installation, Add	10.43	
		For Work In Restricted Working Space, Add	62.61	
22 13 16 00-0235	EA	6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent	902.60	166.54
		For Above Ground Cast Iron Pipe Installation, Add	12.62	
		For Work In Restricted Working Space, Add	75.71	
22 13 16 00-0236	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	2,482.04	158.94
		For Above Ground Cast Iron Pipe Installation, Add	12.06	
		For Work In Restricted Working Space, Add	72.33	
22 13 16 00-0237	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent	2,722.86	188.72
		For Above Ground Cast Iron Pipe Installation, Add	14.27	
		For Work In Restricted Working Space, Add	85.65	
22 13 16 00-0238	EA	10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent	3,623.32	217.77
		For Above Ground Cast Iron Pipe Installation, Add	16.52	
		For Work In Restricted Working Space, Add	99.11	
22 13 16 00-0239	EA	12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent	5,017.81	251.78
		For Above Ground Cast Iron Pipe Installation, Add	19.07	
		For Work In Restricted Working Space, Add	114.43	



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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0240	EA	15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	9,779.21 22.07 132.43	291.22
22 13 16 00-0241 Bell And Spigot Cast Iron Scission Joint Fittings (22 13 16 00-0030)				
22 13 16 00-0242	EA	2" Bell And Spigot Cast Iron Scission Joint Fitting For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	148.72 2.00 12.01	
22 13 16 00-0243	EA	3" Bell And Spigot Cast Iron Scission Joint Fitting For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	205.79 2.25 13.50	
22 13 16 00-0244	EA	4" Bell And Spigot Cast Iron Scission Joint Fitting For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	237.11 3.01 18.08	
22 13 16 00-0245	EA	5" Bell And Spigot Cast Iron Scission Joint Fitting For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	293.10 3.50 21.00	
22 13 16 00-0246	EA	6" Bell And Spigot Cast Iron Scission Joint Fitting For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	355.96 4.23 25.37	
22 13 16 00-0247	EA	8" Bell And Spigot Cast Iron Scission Joint Fitting For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	677.61 5.34 32.06	
22 13 16 00-0248 Cut And Prepare Existing In-Place Cast Iron Pipe (22 13 16 00-0019)				
Note: For use when connecting pipe to an existing in-place system.				
22 13 16 00-0249	EA	2", Cut And Prepare Existing In-Place Cast Iron Pipe For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	11.15 0.56 3.35	
22 13 16 00-0250	EA	3", Cut And Prepare Existing In-Place Cast Iron Pipe For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	12.17 0.61 3.65	
22 13 16 00-0251	EA	4", Cut And Prepare Existing In-Place Cast Iron Pipe For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	15.20 0.76 4.56	
22 13 16 00-0252	EA	6", Cut And Prepare Existing In-Place Cast Iron Pipe For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	18.24 0.91 5.47	
22 13 16 00-0253	EA	8", Cut And Prepare Existing In-Place Cast Iron Pipe For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	24.32 1.22 7.30	
22 13 16 00-0254	EA	10", Cut And Prepare Existing In-Place Cast Iron Pipe For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	28.38 1.42 8.51	
22 13 16 00-0255	EA	12", Cut And Prepare Existing In-Place Cast Iron Pipe For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	33.44 1.67 10.03	
22 13 16 00-0256	EA	15", Cut And Prepare Existing In-Place Cast Iron Pipe For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	38.51 1.93 11.55	
22 13 16 00-0257 Joint Material (22 13 16 00-0019)				
Note: Labor costs are included in the installation costs for fittings.				
22 13 16 00-0258	LB	Lead (1 LB/Diameter Inch) Joint Material.....	5.40	
22 13 16 00-0259	LB	Oakum (1/8 LB/Diameter Inch) Joint Material	10.26	
22 13 16 00-0260	EA	2" Dual Tite Rubber Gasket	3.17	
22 13 16 00-0261	EA	3" Dual Tite Rubber Gasket	4.34	
22 13 16 00-0262	EA	4" Dual Tite Rubber Gasket	5.40	
22 13 16 00-0263	EA	6" Dual Tite Rubber Gasket	8.95	
22 13 16 00-0264	EA	8" Dual Tite Rubber Gasket	19.74	
22 13 16 00-0265	EA	10" Dual Tite Rubber Gasket	30.28	
22 13 16 00-0266	EA	12" Dual Tite Rubber Gasket	38.57	
22 13 16 00-0267	EA	15" Dual Tite Rubber Gasket	45.81	
22 13 16 00-0268 No Hub Cast Iron Soil Pipe And Fittings (22 13 16)				
Note: Service Weight. Excludes hangers.				
22 13 16 00-0269 No Hub Cast Iron Pipe (22 13 16 00-0268)				
Note: Excludes couplings.				
22 13 16 00-0270	LF	1-1/2" No Hub Cast Iron Pipe..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	13.92 0.42 2.52	5.60
22 13 16 00-0271	LF	2" No Hub Cast Iron Pipe For Below Ground Installation, Add For Work In Restricted Working Space, Add	14.81 0.45 2.71	5.97
22 13 16 00-0272	LF	3" No Hub Cast Iron Pipe..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	21.08 0.65 3.92	8.68

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0273	LF		4" No Hub Cast Iron Pipe	27.35	11.29
			For Below Ground Installation, Add	0.85	
			For Work In Restricted Working Space, Add	5.09	
22 13 16 00-0274	LF		5" No Hub Cast Iron Pipe	35.16	13.80
			For Below Ground Installation, Add	1.04	
			For Work In Restricted Working Space, Add	6.21	
22 13 16 00-0275	LF		6" No Hub Cast Iron Pipe	40.43	15.07
			For Below Ground Installation, Add	1.13	
			For Work In Restricted Working Space, Add	6.77	
22 13 16 00-0276	LF		8" No Hub Cast Iron Pipe	60.97	21.60
			For Below Ground Installation, Add	1.62	
			For Work In Restricted Working Space, Add	9.70	
22 13 16 00-0277	LF		10" No Hub Cast Iron Pipe	84.25	24.55
			For Below Ground Installation, Add	1.84	
			For Work In Restricted Working Space, Add	11.03	
22 13 16 00-0278 No Hub Cast Iron Fittings (22 13 16 00-0268)					
22 13 16 00-0279 No Hub Cast Iron Long Sweeps (22 13 16 00-0278)					
22 13 16 00-0280	EA		1-1/2" No Hub Cast Iron Long Sweep	54.05	26.51
			For Below Ground Installation, Add	1.99	
			For Work In Restricted Working Space, Add	11.92	
22 13 16 00-0281	EA		2" No Hub Cast Iron Long Sweep	54.41	26.51
			For Below Ground Installation, Add	1.99	
			For Work In Restricted Working Space, Add	11.92	
22 13 16 00-0282	EA		3" No Hub Cast Iron Long Sweep	63.94	30.33
			For Below Ground Installation, Add	2.28	
			For Work In Restricted Working Space, Add	13.66	
22 13 16 00-0283	EA		4" No Hub Cast Iron Long Sweep	87.65	40.14
			For Below Ground Installation, Add	3.01	
			For Work In Restricted Working Space, Add	18.07	
22 13 16 00-0284	EA		5" No Hub Cast Iron Long Sweep	118.79	45.55
			For Below Ground Installation, Add	3.41	
			For Work In Restricted Working Space, Add	20.48	
22 13 16 00-0285	EA		6" No Hub Cast Iron Long Sweep	141.03	54.31
			For Below Ground Installation, Add	4.07	
			For Work In Restricted Working Space, Add	24.45	
22 13 16 00-0286	EA		8" No Hub Cast Iron Long Sweep	267.83	70.05
			For Below Ground Installation, Add	5.25	
			For Work In Restricted Working Space, Add	31.52	
22 13 16 00-0287 No Hub Cast Iron Reducing Long Sweeps (22 13 16 00-0278)					
22 13 16 00-0288	EA		3" x 2" No Hub Cast Iron Reducing Long Sweep	79.10	30.33
			For Below Ground Installation, Add	2.28	
			For Work In Restricted Working Space, Add	13.66	
22 13 16 00-0289	EA		4" x 3" No Hub Cast Iron Reducing Long Sweep	116.55	40.14
			For Below Ground Installation, Add	3.01	
			For Work In Restricted Working Space, Add	18.07	
22 13 16 00-0290 No Hub Cast Iron Short Sweeps (22 13 16 00-0278)					
22 13 16 00-0291	EA		2" No Hub Cast Iron Short Sweep	51.36	26.51
			For Below Ground Installation, Add	1.99	
			For Work In Restricted Working Space, Add	11.92	
22 13 16 00-0292	EA		3" No Hub Cast Iron Short Sweep	61.52	30.33
			For Below Ground Installation, Add	2.28	
			For Work In Restricted Working Space, Add	13.66	
22 13 16 00-0293	EA		4" No Hub Cast Iron Short Sweep	86.39	40.14
			For Below Ground Installation, Add	3.01	
			For Work In Restricted Working Space, Add	18.07	
22 13 16 00-0294	EA		5" No Hub Cast Iron Short Sweep	119.27	45.55
			For Below Ground Installation, Add	3.41	
			For Work In Restricted Working Space, Add	20.48	
22 13 16 00-0295	EA		6" No Hub Cast Iron Short Sweep	133.63	54.31
			For Below Ground Installation, Add	4.07	
			For Work In Restricted Working Space, Add	24.45	
22 13 16 00-0296	EA		8" No Hub Cast Iron Short Sweep	245.47	70.05
			For Below Ground Installation, Add	5.25	
			For Work In Restricted Working Space, Add	31.52	
22 13 16 00-0297	EA		10" No Hub Cast Iron Short Sweep	394.07	98.09
			For Below Ground Installation, Add	7.35	
			For Work In Restricted Working Space, Add	44.12	
22 13 16 00-0298 No Hub Cast Iron 1/4 Bends (22 13 16 00-0278)					
22 13 16 00-0299	EA		1-1/2" No Hub Cast Iron 1/4 Bend	47.13	25.39
			For Below Ground Installation, Add	1.91	
			For Work In Restricted Working Space, Add	11.43	
22 13 16 00-0300	EA		2" No Hub Cast Iron 1/4 Bend	49.26	26.51
			For Below Ground Installation, Add	1.99	
			For Work In Restricted Working Space, Add	11.92	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0301 EA 3" No Hub Cast Iron 1/4 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	58.12 2.28 13.66	30.33
22 13 16 00-0302 EA 4" No Hub Cast Iron 1/4 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	78.87 3.01 18.07	40.14
22 13 16 00-0303 EA 5" No Hub Cast Iron 1/4 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	109.93 3.41 20.48	45.55
22 13 16 00-0304 EA 6" No Hub Cast Iron 1/4 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	127.65 4.07 24.45	54.31
22 13 16 00-0305 EA 8" No Hub Cast Iron 1/4 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	228.05 5.25 31.52	70.05
22 13 16 00-0306 No Hub Cast Iron 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0307 EA 1-1/2" No Hub Cast Iron 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	45.19 1.91 11.43	25.39
22 13 16 00-0308 EA 2" No Hub Cast Iron 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	46.96 1.99 11.92	26.51
22 13 16 00-0309 EA 3" No Hub Cast Iron 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	55.86 2.28 13.66	30.33
22 13 16 00-0310 EA 4" No Hub Cast Iron 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	73.80 3.01 18.07	40.14
22 13 16 00-0311 EA 6" No Hub Cast Iron 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	119.89 4.44 26.67	59.27
22 13 16 00-0312 EA 8" No Hub Cast Iron 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	199.18 5.83 35.00	77.84
22 13 16 00-0313 EA 10" No Hub Cast Iron 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	299.22 7.18 43.08	95.77
22 13 16 00-0314 No Hub Cast Iron Wyes (22 13 16 00-0278)		
22 13 16 00-0315 EA 1-1/2" No Hub Cast Iron Wye..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	72.42 2.99 17.95	39.95
22 13 16 00-0316 EA 2" No Hub Cast Iron Wye..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	93.92 4.06 24.35	54.13
22 13 16 00-0317 EA 3" No Hub Cast Iron Wye..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	106.31 4.44 26.67	59.27
22 13 16 00-0318 EA 4" No Hub Cast Iron Wye..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	144.95 5.83 35.00	77.84
22 13 16 00-0319 EA 5" No Hub Cast Iron Wye..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	194.11 6.65 39.89	88.69
22 13 16 00-0320 EA 6" No Hub Cast Iron Wye..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	230.36 7.89 47.36	105.28
22 13 16 00-0321 EA 8" No Hub Cast Iron Wye..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	380.43 10.51 63.04	140.19
22 13 16 00-0322 EA 10" No Hub Cast Iron Wye..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	602.22 11.67 70.04	155.72
22 13 16 00-0323 No Hub Cast Iron Reducing Wyes (22 13 16 00-0278)		
22 13 16 00-0324 EA 3" x 1-1/2" No Hub Cast Iron Reducing Wye..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	91.20 3.87 23.24	51.71
22 13 16 00-0325 EA 3" x 2" No Hub Cast Iron Reducing Wye..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	102.63 4.44 26.67	59.27
22 13 16 00-0326 EA 4" x 2" No Hub Cast Iron Reducing Wye..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	115.83 4.91 29.48	65.53
22 13 16 00-0327 EA 4" x 3" No Hub Cast Iron Reducing Wye..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	132.72 5.46 32.75	72.81
22 13 16 00-0328 EA 6" x 2" No Hub Cast Iron Reducing Wye..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	173.43 6.72 40.31	89.58

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0329	EA	6" x 3" No Hub Cast Iron Reducing Wye.....	184.40	93.64
		For Below Ground Installation, Add	7.02	
		For Work In Restricted Working Space, Add	42.10	
22 13 16 00-0330	EA	6" x 4" No Hub Cast Iron Reducing Wye.....	212.29	109.43
		For Below Ground Installation, Add	8.20	
		For Work In Restricted Working Space, Add	49.21	
22 13 16 00-0331	EA	8" x 4" No Hub Cast Iron Reducing Wye.....	262.76	110.22
		For Below Ground Installation, Add	8.26	
		For Work In Restricted Working Space, Add	49.58	
22 13 16 00-0332	EA	8" x 6" No Hub Cast Iron Reducing Wye.....	302.01	121.15
		For Below Ground Installation, Add	9.08	
		For Work In Restricted Working Space, Add	54.47	
22 13 16 00-0333	EA	10" x 4" No Hub Cast Iron Reducing Wye.....	448.54	129.07
		For Below Ground Installation, Add	9.68	
		For Work In Restricted Working Space, Add	58.06	
22 13 16 00-0334	EA	10" x 6" No Hub Cast Iron Reducing Wye.....	473.98	138.16
		For Below Ground Installation, Add	10.36	
		For Work In Restricted Working Space, Add	62.15	
22 13 16 00-0335	EA	10" x 8" No Hub Cast Iron Reducing Wye.....	541.59	147.54
		For Below Ground Installation, Add	11.06	
		For Work In Restricted Working Space, Add	66.35	
22 13 16 00-0336 No Hub Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0278)				
22 13 16 00-0337	EA	1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend	82.40	46.48
		For Below Ground Installation, Add	3.48	
		For Work In Restricted Working Space, Add	20.90	
22 13 16 00-0338	EA	2" No Hub Cast Iron Combination Wye And 1/8 Bend	94.43	54.13
		For Below Ground Installation, Add	4.06	
		For Work In Restricted Working Space, Add	24.35	
22 13 16 00-0339	EA	3" No Hub Cast Iron Combination Wye And 1/8 Bend	110.19	59.27
		For Below Ground Installation, Add	4.44	
		For Work In Restricted Working Space, Add	26.67	
22 13 16 00-0340	EA	4" No Hub Cast Iron Combination Wye And 1/8 Bend	155.91	77.84
		For Below Ground Installation, Add	5.83	
		For Work In Restricted Working Space, Add	35.00	
22 13 16 00-0341	EA	6" No Hub Cast Iron Combination Wye And 1/8 Bend	278.27	119.75
		For Below Ground Installation, Add	8.98	
		For Work In Restricted Working Space, Add	53.85	
22 13 16 00-0342	EA	8" No Hub Cast Iron Combination Wye And 1/8 Bend	478.18	153.63
		For Below Ground Installation, Add	11.52	
		For Work In Restricted Working Space, Add	69.11	
22 13 16 00-0343	EA	10" No Hub Cast Iron Combination Wye And 1/8 Bend	563.02	185.74
		For Below Ground Installation, Add	13.92	
		For Work In Restricted Working Space, Add	83.54	
22 13 16 00-0344 No Hub Cast Iron Reducing Combination Wye And 1/8 Bends (22 13 16 00-0278)				
22 13 16 00-0345	EA	2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	95.07	54.13
		For Below Ground Installation, Add	4.06	
		For Work In Restricted Working Space, Add	24.35	
22 13 16 00-0346	EA	3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	104.57	59.27
		For Below Ground Installation, Add	4.44	
		For Work In Restricted Working Space, Add	26.67	
22 13 16 00-0347	EA	4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	119.71	65.53
		For Below Ground Installation, Add	4.91	
		For Work In Restricted Working Space, Add	29.48	
22 13 16 00-0348	EA	4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	136.49	72.81
		For Below Ground Installation, Add	5.46	
		For Work In Restricted Working Space, Add	32.75	
22 13 16 00-0349	EA	6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	184.72	89.58
		For Below Ground Installation, Add	6.72	
		For Work In Restricted Working Space, Add	40.31	
22 13 16 00-0350	EA	6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	204.12	93.64
		For Below Ground Installation, Add	7.02	
		For Work In Restricted Working Space, Add	42.10	
22 13 16 00-0351	EA	6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	229.55	109.43
		For Below Ground Installation, Add	8.20	
		For Work In Restricted Working Space, Add	49.21	
22 13 16 00-0352	EA	8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	295.03	110.22
		For Below Ground Installation, Add	8.26	
		For Work In Restricted Working Space, Add	49.58	
22 13 16 00-0353	EA	8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	375.76	121.15
		For Below Ground Installation, Add	9.08	
		For Work In Restricted Working Space, Add	54.47	
22 13 16 00-0354 No Hub Cast Iron Double Wyes (22 13 16 00-0278)				
22 13 16 00-0355	EA	2" No Hub Cast Iron Double Wye.....	118.67	67.29
		For Below Ground Installation, Add	5.05	
		For Work In Restricted Working Space, Add	30.27	
22 13 16 00-0356	EA	3" No Hub Cast Iron Double Wye.....	155.60	81.96
		For Below Ground Installation, Add	6.14	
		For Work In Restricted Working Space, Add	36.85	



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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0357	EA	4" No Hub Cast Iron Double Wye..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	201.76 6.72 40.29	89.61
22 13 16 00-0358	EA	6" No Hub Cast Iron Double Wye..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	315.13 9.95 59.67	132.71
22 13 16 00-0359	EA	8" No Hub Cast Iron Double Wye..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	582.18 13.37 80.23	178.33
22 13 16 00-0360 No Hub Cast Iron Reducing Double Wyes (22 13 16 00-0278)				
22 13 16 00-0361	EA	3" x 2" No Hub Cast Iron Double Wye..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	139.89 5.59 33.53	74.57
22 13 16 00-0362	EA	4" x 2" No Hub Cast Iron Double Wye..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	166.52 6.44 38.63	85.87
22 13 16 00-0363	EA	4" x 3" No Hub Cast Iron Double Wye..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	182.96 7.02 42.11	93.62
22 13 16 00-0364	EA	6" x 4" No Hub Cast Iron Double Wye..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	269.68 8.77 52.63	117.01
22 13 16 00-0365 No Hub Cast Iron Double Combination Wye And 1/8 Bends (22 13 16 00-0278)				
22 13 16 00-0366	EA	2" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	152.38 6.06 36.37	80.84
22 13 16 00-0367	EA	3" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	182.56 6.72 40.29	89.61
22 13 16 00-0368	EA	4" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	269.95 8.89 53.34	118.63
22 13 16 00-0369	EA	6" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	382.13 13.73 82.36	183.13
22 13 16 00-0370 No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0278)				
22 13 16 00-0371	EA	3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	140.43 5.21 31.29	69.54
22 13 16 00-0372	EA	4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	162.87 6.06 36.37	80.84
22 13 16 00-0373	EA	4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	192.93 6.62 39.72	88.30
22 13 16 00-0374 No Hub Cast Iron Sanitary Tees (22 13 16 00-0278)				
22 13 16 00-0375	EA	1-1/2" No Hub Cast Iron Sanitary Tee..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	70.66 2.94 17.61	39.11
22 13 16 00-0376	EA	2" No Hub Cast Iron Sanitary Tee..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	94.55 4.06 24.35	54.13
22 13 16 00-0377	EA	3" No Hub Cast Iron Sanitary Tee..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	104.88 4.44 26.67	59.27
22 13 16 00-0378	EA	4" No Hub Cast Iron Sanitary Tee..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	141.70 5.83 35.00	77.84
22 13 16 00-0379	EA	5" No Hub Cast Iron Sanitary Tee..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	194.79 6.65 39.89	88.69
22 13 16 00-0380	EA	6" No Hub Cast Iron Sanitary Tee..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	229.89 7.89 47.36	105.28
22 13 16 00-0381	EA	8" No Hub Cast Iron Sanitary Tee..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	420.45 10.51 63.04	140.19
22 13 16 00-0382 No Hub Cast Iron Reducing Sanitary Tees (22 13 16 00-0278)				
22 13 16 00-0383	EA	2" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	79.57 3.31 19.86	44.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0384 EA 3" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	92.31 3.87 23.24	51.71
22 13 16 00-0385 EA 3" x 2" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	96.02 4.06 24.35	54.13
22 13 16 00-0386 EA 3" x 4" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	111.34 4.06 24.35	54.13
22 13 16 00-0387 EA 4" x 2" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	128.85 5.49 32.94	73.27
22 13 16 00-0388 EA 4" x 3" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	132.57 5.49 32.94	73.27
22 13 16 00-0389 EA 5" x 2" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	170.53 6.32 37.89	84.26
22 13 16 00-0390 EA 5" x 3" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	175.72 6.32 37.89	84.26
22 13 16 00-0391 EA 5" x 4" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	176.35 6.32 37.89	84.26
22 13 16 00-0392 EA 6" x 4" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	183.07 6.58 39.47	87.78
22 13 16 00-0393 EA 8" x 6" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	333.93 8.86 53.16	118.22
22 13 16 00-0394 No Hub Cast Iron Sanitary Tapped Tees (22 13 16 00-0278)		
22 13 16 00-0395 EA 2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.14 1.99 11.92	26.51
22 13 16 00-0396 EA 3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	61.64 2.28 13.66	30.33
22 13 16 00-0397 EA 4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.69 3.01 18.07	40.14
22 13 16 00-0398 No Hub Cast Iron Cleanout Tees (22 13 16 00-0278)		
22 13 16 00-0399 EA 2" No Hub Cast Iron Cleanout Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	50.80 1.99 11.92	26.51
22 13 16 00-0400 EA 3" No Hub Cast Iron Cleanout Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.34 2.28 13.66	30.33
22 13 16 00-0401 EA 4" No Hub Cast Iron Cleanout Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	91.53 3.01 18.07	40.14
22 13 16 00-0402 EA 6" No Hub Cast Iron Cleanout Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	149.97 4.44 26.67	59.27
22 13 16 00-0403 No Hub Cast Iron Two-Way Cleanout Tees (22 13 16 00-0278)		
22 13 16 00-0404 EA 4" No Hub Cast Iron Single Two-Way Cleanout Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	206.10 5.83 35.00	77.84
22 13 16 00-0405 EA 4" No Hub Cast Iron Double Two-Way Cleanout Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	260.37 8.87 53.20	118.26
22 13 16 00-0406 No Hub Cast Iron Cleanout Plugs (22 13 16 00-0278)		
22 13 16 00-0407 EA 2" No Hub Cast Iron Cleanout Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	44.43 1.99 11.92	26.51
22 13 16 00-0408 EA 3" No Hub Cast Iron Cleanout Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	52.93 2.28 13.66	30.33
22 13 16 00-0409 EA 4" No Hub Cast Iron Cleanout Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	74.27 3.01 18.07	40.14
22 13 16 00-0410 EA 6" No Hub Cast Iron Cleanout Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	115.14 4.44 26.67	59.27
22 13 16 00-0411 EA 8" No Hub Cast Iron Cleanout Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	152.74 5.83 35.00	77.84



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Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0412		No Hub Cast Iron Sanitary Crosses (22 13 16 00-0278)		
22 13 16 00-0413	EA	1-1/2" No Hub Cast Iron Sanitary Cross For Below Ground Installation, Add For Work In Restricted Working Space, Add	94.59 3.92 23.53	52.27
22 13 16 00-0414	EA	2" No Hub Cast Iron Sanitary Cross For Below Ground Installation, Add For Work In Restricted Working Space, Add	101.36 4.06 24.35	54.13
22 13 16 00-0415	EA	3" No Hub Cast Iron Sanitary Cross For Below Ground Installation, Add For Work In Restricted Working Space, Add	120.68 4.44 26.67	59.27
22 13 16 00-0416	EA	4" No Hub Cast Iron Sanitary Cross For Below Ground Installation, Add For Work In Restricted Working Space, Add	176.42 5.83 35.00	77.84
22 13 16 00-0417	EA	3" x 2" No Hub Cast Iron Sanitary Cross For Below Ground Installation, Add For Work In Restricted Working Space, Add	132.84 5.21 31.28	69.54
22 13 16 00-0418	EA	4" x 2" No Hub Cast Iron Sanitary Cross For Below Ground Installation, Add For Work In Restricted Working Space, Add	147.72 5.37 32.20	71.59
22 13 16 00-0419	EA	4" x 3" No Hub Cast Iron Sanitary Cross For Below Ground Installation, Add For Work In Restricted Working Space, Add	160.76 5.60 33.61	74.77
22 13 16 00-0420		No Hub Cast Iron Reducers (22 13 16 00-0278)		
22 13 16 00-0421	EA	3" x 2" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	87.94 4.06 24.35	54.13
22 13 16 00-0422	EA	4" x 2" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	120.14 5.49 32.94	73.27
22 13 16 00-0423	EA	4" x 3" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	120.46 5.49 32.94	73.27
22 13 16 00-0424	EA	5" x 2" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	141.47 6.32 37.89	84.26
22 13 16 00-0425	EA	5" x 3" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	143.57 6.32 37.89	84.26
22 13 16 00-0426	EA	5" x 4" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	144.40 6.32 37.89	84.26
22 13 16 00-0427	EA	6" x 3" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	166.51 7.02 42.10	93.64
22 13 16 00-0428	EA	6" x 4" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	166.82 7.02 42.10	93.64
22 13 16 00-0429	EA	6" x 5" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	167.77 7.02 42.10	93.64
22 13 16 00-0430	EA	8" x 2" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	230.99 9.81 58.83	130.81
22 13 16 00-0431	EA	8" x 3" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	233.40 9.81 58.83	130.81
22 13 16 00-0432	EA	8" x 4" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	237.28 9.81 58.83	130.81
22 13 16 00-0433	EA	8" x 5" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	241.32 9.81 58.83	130.81
22 13 16 00-0434	EA	8" x 6" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	241.79 9.81 58.83	130.81
22 13 16 00-0435	EA	10" x 4" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	281.73 10.34 62.05	137.98
22 13 16 00-0436	EA	10" x 6" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	299.96 10.80 64.81	144.04
22 13 16 00-0437	EA	10" x 8" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	334.96 11.72 70.32	156.37
22 13 16 00-0438		No Hub Cast Iron Blind Plugs (22 13 16 00-0278)		
22 13 16 00-0439	EA	1-1/2" No Hub Cast Iron Blind Plug For Below Ground Installation, Add For Work In Restricted Working Space, Add	41.98 1.91 11.43	25.39

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0440 EA 2" No Hub Cast Iron Blind Plug.....	43.44	26.51
For Below Ground Installation, Add	1.99	
For Work In Restricted Working Space, Add	11.92	
22 13 16 00-0441 EA 3" No Hub Cast Iron Blind Plug.....	52.14	30.33
For Below Ground Installation, Add	2.28	
For Work In Restricted Working Space, Add	13.66	
22 13 16 00-0442 EA 4" No Hub Cast Iron Blind Plug.....	69.09	40.14
For Below Ground Installation, Add	3.01	
For Work In Restricted Working Space, Add	18.07	
22 13 16 00-0443 EA 5" No Hub Cast Iron Blind Plug.....	85.94	46.92
For Below Ground Installation, Add	3.47	
For Work In Restricted Working Space, Add	20.84	
22 13 16 00-0444 EA 6" No Hub Cast Iron Blind Plug.....	98.12	54.31
For Below Ground Installation, Add	4.07	
For Work In Restricted Working Space, Add	24.45	
22 13 16 00-0445 EA 8" No Hub Cast Iron Blind Plug.....	157.50	70.05
For Below Ground Installation, Add	5.25	
For Work In Restricted Working Space, Add	31.52	
22 13 16 00-0446 EA 10" No Hub Cast Iron Blind Plug.....	188.55	75.47
For Below Ground Installation, Add	5.66	
For Work In Restricted Working Space, Add	33.94	
22 13 16 00-0447 No Hub Cast Iron P-Traps (22 13 16 00-0278)		
22 13 16 00-0448 EA 2" No Hub Cast Iron P-Trap.....	53.46	26.51
For Below Ground Installation, Add	1.99	
For Work In Restricted Working Space, Add	11.92	
22 13 16 00-0449 EA 3" No Hub Cast Iron P-Trap.....	76.84	30.33
For Below Ground Installation, Add	2.28	
For Work In Restricted Working Space, Add	13.66	
22 13 16 00-0450 EA 4" No Hub Cast Iron P-Trap.....	114.61	40.14
For Below Ground Installation, Add	3.01	
For Work In Restricted Working Space, Add	18.07	
22 13 16 00-0451 EA 5" No Hub Cast Iron P-Trap.....	193.27	45.92
For Below Ground Installation, Add	3.44	
For Work In Restricted Working Space, Add	20.64	
22 13 16 00-0452 EA 6" No Hub Cast Iron P-Trap.....	206.68	54.76
For Below Ground Installation, Add	4.11	
For Work In Restricted Working Space, Add	24.63	
22 13 16 00-0453 No Hub Cast Iron Deep Seal P-Traps (22 13 16 00-0278)		
22 13 16 00-0454 EA 2" No Hub Cast Iron Deep Seal P-Trap.....	83.23	33.69
For Below Ground Installation, Add	2.52	
For Work In Restricted Working Space, Add	15.14	
22 13 16 00-0455 EA 3" No Hub Cast Iron Deep Seal P-Trap.....	119.45	44.80
For Below Ground Installation, Add	3.36	
For Work In Restricted Working Space, Add	20.15	
22 13 16 00-0456 EA 4" No Hub Cast Iron Deep Seal P-Trap.....	172.60	59.17
For Below Ground Installation, Add	4.43	
For Work In Restricted Working Space, Add	26.60	
22 13 16 00-0457 No Hub Cast Iron Closet Flanges (22 13 16 00-0278)		
22 13 16 00-0458 EA 4" No Hub Cast Iron Closet Flange.....	81.99	40.14
For Below Ground Installation, Add	3.01	
For Work In Restricted Working Space, Add	18.07	
22 13 16 00-0459 EA 4" x 2-1/2" No Hub Cast Iron Offset Closet Flange.....	86.51	40.14
For Below Ground Installation, Add	3.01	
For Work In Restricted Working Space, Add	18.07	
22 13 16 00-0460 No Hub Cast Iron Closet Bends (22 13 16 00-0278)		
22 13 16 00-0461 EA 4" x 16" No Hub Cast Iron Closet Bend.....	145.45	40.14
For Below Ground Installation, Add	3.01	
For Work In Restricted Working Space, Add	18.07	
22 13 16 00-0462 No Hub Cast Iron Threaded Adapter (22 13 16 00-0278)		
22 13 16 00-0463 EA 1-1/4" No Hub Cast Iron Threaded Adapter.....	62.25	33.69
For Below Ground Installation, Add	2.52	
For Work In Restricted Working Space, Add	15.14	
22 13 16 00-0464 EA 1-1/2" No Hub Cast Iron Threaded Adapter.....	65.89	33.69
For Below Ground Installation, Add	2.52	
For Work In Restricted Working Space, Add	15.14	
22 13 16 00-0465 No Hub Couplings (22 13 16 00-0278)		
Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH).		
22 13 16 00-0466 EA 1-1/2" No Hub Coupling.....	13.58	
For Medium Duty (Fernco MD-2000), Add	1.77	
For Heavy Duty (Fernco HD-4000), Add	3.67	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0467 EA 2" No Hub Coupling For Medium Duty (Fernco MD-2000), Add For Heavy Duty (Fernco HD-4000), Add	13.58 1.77 3.67	
22 13 16 00-0468 EA 3" No Hub Coupling For Medium Duty (Fernco MD-2000), Add For Heavy Duty (Fernco HD-4000), Add	16.12 2.10 4.35	
22 13 16 00-0469 EA 4" No Hub Coupling For Medium Duty (Fernco MD-2000), Add For Heavy Duty (Fernco HD-4000), Add	19.14 2.49 5.17	
22 13 16 00-0470 EA 5" No Hub Coupling For Medium Duty (Fernco MD-2000), Add For Heavy Duty (Fernco HD-4000), Add	44.25 5.75 11.95	
22 13 16 00-0471 EA 6" No Hub Coupling For Medium Duty (Fernco MD-2000), Add For Heavy Duty (Fernco HD-4000), Add	48.63 6.32 13.13	
22 13 16 00-0472 EA 8" No Hub Coupling For Medium Duty (Fernco MD-2000), Add For Heavy Duty (Fernco HD-4000), Add	91.61 11.91 24.73	
22 13 16 00-0473 EA 10" No Hub Coupling For Medium Duty (Fernco MD-2000), Add For Heavy Duty (Fernco HD-4000), Add	126.20 16.41 34.07	
22 13 16 00-0474 EA 2" x 1-1/2" No Hub Reducing Coupling	16.12	
22 13 16 00-0475 EA 3" x 2" No Hub Reducing Coupling	25.00	
22 13 16 00-0476 EA 4" x 2" No Hub Reducing Coupling	34.88	
22 13 16 00-0477 EA 4" x 3" No Hub Reducing Coupling	29.72	
22 13 16 00-0478 Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts (22 13 16 00-0278) Note: For underground connections. See CSI section 22 13 16 00-0860 for additional FERNCO couplings.		
22 13 16 00-0479 EA 1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	26.08	
22 13 16 00-0480 EA 2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	26.92	
22 13 16 00-0481 EA 3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	28.27	
22 13 16 00-0482 EA 4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	32.98	
22 13 16 00-0483 EA 5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	62.25	
22 13 16 00-0484 EA 6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	85.47	
22 13 16 00-0485 EA 8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	149.74	
22 13 16 00-0486 EA 10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	228.82	
22 13 16 00-0487 Cut And Prepare Existing Pipe In-Place (22 13 16 00-0268) Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0488 EA Cut And Prepare 1-1/2" Cast Iron Pipe, No Hub For Work In Restricted Working Space, Add	9.12 2.74	
22 13 16 00-0489 EA Cut And Prepare 2" Cast Iron Pipe, No Hub For Work In Restricted Working Space, Add	11.15 3.35	
22 13 16 00-0490 EA Cut And Prepare 3" Cast Iron Pipe, No Hub For Work In Restricted Working Space, Add	12.17 3.65	
22 13 16 00-0491 EA Cut And Prepare 4" Cast Iron Pipe, No Hub For Work In Restricted Working Space, Add	15.20 4.56	
22 13 16 00-0492 EA Cut And Prepare 6" Cast Iron Pipe, No Hub For Work In Restricted Working Space, Add	18.24 5.47	
22 13 16 00-0493 EA Cut And Prepare 8" Cast Iron Pipe, No Hub For Work In Restricted Working Space, Add	24.32 7.30	
22 13 16 00-0494 EA Cut And Prepare 10" Cast Iron Pipe, No Hub For Work In Restricted Working Space, Add	28.38 8.51	
22 13 16 00-0495 Copper Drain-Waste-Vent (DWV) Pipe (22 13 16) See CSI section 22 11 16 00-0436 for copper and brass fittings.		
22 13 16 00-0496 LF 1-1/4" Hard Drawn DWV Copper Tube/Pipe	13.67	4.38
22 13 16 00-0497 LF 1-1/2" Hard Drawn DWV Copper Tube/Pipe	16.25	4.90
22 13 16 00-0498 LF 2" Hard Drawn DWV Copper Tube/Pipe	20.87	6.04
22 13 16 00-0499 LF 3" Hard Drawn DWV Copper Tube/Pipe	45.69	8.37
22 13 16 00-0500 LF 4" Hard Drawn DWV Copper Tube/Pipe	62.93	9.45
22 13 16 00-0501 LF 5" Hard Drawn DWV Copper Tube/Pipe	120.61	10.85
22 13 16 00-0502 LF 6" Hard Drawn DWV Copper Tube/Pipe	172.56	16.81
22 13 16 00-0503 Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings (22 13 16) Note: Aboveground installation. See CSI section 33 31 11 00-0018 for underground installation.		
22 13 16 00-0504 Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies (22 13 16 00-0503) Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0505 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. For Work In Restricted Working Space, Add	19.98 4.49	3.92
22 13 16 00-0506 LF 2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. For Work In Restricted Working Space, Add	22.22 5.00	4.67



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0507	LF	3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	30.17 6.21	6.72
22 13 16 00-0508	LF	4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	35.42 6.78	7.28
22 13 16 00-0509	LF	6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	50.40 8.69	9.34
22 13 16 00-0510	LF	8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	63.08 9.95	12.41
22 13 16 00-0511	LF	10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	86.28 12.97	16.62
22 13 16 00-0512		Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (22 13 16 00-0503) Note: Excludes fittings or hangers.		
22 13 16 00-0513		Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665) (22 13 16 00-0512) Note: Excludes fittings or hangers.		
22 13 16 00-0514	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	6.83 1.75	3.92
22 13 16 00-0515	LF	2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	8.30 2.10	4.67
22 13 16 00-0516	LF	3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	12.67 3.01	6.72
22 13 16 00-0517	LF	4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	14.61 3.27	7.28
22 13 16 00-0518	LF	6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	20.11 4.05	9.02
22 13 16 00-0519	LF	8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	28.08 5.42	12.00
22 13 16 00-0520	LF	10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	39.42 7.22	16.06
22 13 16 00-0521		Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891) (22 13 16 00-0512) Note: Excludes fittings or hangers.		
22 13 16 00-0522	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	6.53 1.75	3.92
22 13 16 00-0523	LF	2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	7.94 2.10	4.67
22 13 16 00-0524	LF	3" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	11.99 3.01	6.72
22 13 16 00-0525	LF	4" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	13.71 3.27	7.28
22 13 16 00-0526	LF	6" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	18.44 4.05	9.02
22 13 16 00-0527	LF	8" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	25.73 5.42	12.00
22 13 16 00-0528	LF	10" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	36.86 7.22	16.06
22 13 16 00-0529		Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665) (22 13 16 00-0503)		
22 13 16 00-0530		Polyvinyl Chloride (PVC) DWV 1/4 Bends (22 13 16 00-0529)		
22 13 16 00-0531	EA	1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	25.91 7.00	15.59
22 13 16 00-0532	EA	2" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	33.14 8.96	19.89
22 13 16 00-0533	EA	3" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	50.28 12.04	26.69
22 13 16 00-0534	EA	4" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	68.19 14.00	31.08
22 13 16 00-0535	EA	6" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	191.64 18.20	40.42
22 13 16 00-0536	EA	8" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	306.02 24.50	54.42
22 13 16 00-0537	EA	10" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	404.67 32.67	72.53
22 13 16 00-0538		Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends (22 13 16 00-0529)		
22 13 16 00-0539	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	33.14 7.00	15.59



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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0540	EA	2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	37.29	19.89
		For Work In Restricted Working Space, Add	8.96	
22 13 16 00-0541	EA	3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	60.97	26.69
		For Work In Restricted Working Space, Add	12.04	
22 13 16 00-0542	EA	4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	87.79	31.08
		For Work In Restricted Working Space, Add	14.00	
22 13 16 00-0543	EA	6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	153.79	40.42
		For Work In Restricted Working Space, Add	18.20	
22 13 16 00-0544	EA	8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	256.28	54.42
		For Work In Restricted Working Space, Add	24.50	
22 13 16 00-0545	EA	10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	403.78	72.53
		For Work In Restricted Working Space, Add	32.67	
22 13 16 00-0546		Polyvinyl Chloride (PVC) DWV 1/8 Bends (22 13 16 00-0529)		
22 13 16 00-0547	EA	1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends	26.51	15.59
		For Work In Restricted Working Space, Add	7.00	
22 13 16 00-0548	EA	2" Polyvinyl Chloride (PVC) DWV 1/8 Bends	33.09	19.89
		For Work In Restricted Working Space, Add	8.96	
22 13 16 00-0549	EA	3" Polyvinyl Chloride (PVC) DWV 1/8 Bends	49.39	26.69
		For Work In Restricted Working Space, Add	12.04	
22 13 16 00-0550	EA	4" Polyvinyl Chloride (PVC) DWV 1/8 Bends	63.84	31.08
		For Work In Restricted Working Space, Add	14.00	
22 13 16 00-0551	EA	6" Polyvinyl Chloride (PVC) DWV 1/8 Bends	180.56	40.42
		For Work In Restricted Working Space, Add	18.20	
22 13 16 00-0552	EA	8" Polyvinyl Chloride (PVC) DWV 1/8 Bends	280.26	54.42
		For Work In Restricted Working Space, Add	24.50	
22 13 16 00-0553	EA	10" Polyvinyl Chloride (PVC) DWV 1/8 Bends	328.89	72.53
		For Work In Restricted Working Space, Add	32.67	
22 13 16 00-0554		Polyvinyl Chloride (PVC) DWV Sanitary Tees (22 13 16 00-0529)		
22 13 16 00-0555	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees	39.60	23.34
		For Work In Restricted Working Space, Add	10.50	
22 13 16 00-0556	EA	2" Polyvinyl Chloride (PVC) DWV Sanitary Tees	51.38	29.87
		For Work In Restricted Working Space, Add	13.44	
22 13 16 00-0557	EA	3" Polyvinyl Chloride (PVC) DWV Sanitary Tees	77.72	40.14
		For Work In Restricted Working Space, Add	18.06	
22 13 16 00-0558	EA	4" Polyvinyl Chloride (PVC) DWV Sanitary Tees	103.41	46.67
		For Work In Restricted Working Space, Add	21.00	
22 13 16 00-0559	EA	6" Polyvinyl Chloride (PVC) DWV Sanitary Tees	285.27	60.58
		For Work In Restricted Working Space, Add	27.30	
22 13 16 00-0560	EA	8" Polyvinyl Chloride (PVC) DWV Sanitary Tees	373.64	81.58
		For Work In Restricted Working Space, Add	36.75	
22 13 16 00-0561		Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees (22 13 16 00-0529)		
22 13 16 00-0562	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	46.58	25.48
		For Work In Restricted Working Space, Add	11.48	
22 13 16 00-0563	EA	2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	53.02	27.63
		For Work In Restricted Working Space, Add	12.46	
22 13 16 00-0564	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	48.12	27.63
		For Work In Restricted Working Space, Add	12.46	
22 13 16 00-0565	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	65.21	34.54
		For Work In Restricted Working Space, Add	15.54	
22 13 16 00-0566	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	67.84	36.69
		For Work In Restricted Working Space, Add	16.52	
22 13 16 00-0567	EA	4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	76.35	38.82
		For Work In Restricted Working Space, Add	17.50	
22 13 16 00-0568	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	106.88	41.07
		For Work In Restricted Working Space, Add	18.48	
22 13 16 00-0569	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	128.29	44.43
		For Work In Restricted Working Space, Add	20.02	
22 13 16 00-0570	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	271.87	55.91
		For Work In Restricted Working Space, Add	25.20	
22 13 16 00-0571	EA	8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	758.98	69.91
		For Work In Restricted Working Space, Add	31.50	
22 13 16 00-0572	EA	8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	787.07	74.57
		For Work In Restricted Working Space, Add	33.60	
22 13 16 00-0573		Polyvinyl Chloride (PVC) DWV Double Sanitary Tees (22 13 16 00-0529)		
22 13 16 00-0574	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	60.52	31.08
		For Work In Restricted Working Space, Add	14.00	
22 13 16 00-0575	EA	2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	80.03	39.76
		For Work In Restricted Working Space, Add	17.92	
22 13 16 00-0576	EA	3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	137.17	53.49
		For Work In Restricted Working Space, Add	24.08	
22 13 16 00-0577	EA	4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	184.83	62.16
		For Work In Restricted Working Space, Add	28.00	
22 13 16 00-0578		Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees (22 13 16 00-0529)		

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0579	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	71.54 15.96	35.47
22 13 16 00-0580	EA	3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	106.54 19.04	42.28
22 13 16 00-0581	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	121.04 21.00	46.67
22 13 16 00-0582	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	188.93 22.96	50.97
22 13 16 00-0583	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	202.28 26.04	57.77
22 13 16 00-0584 Polyvinyl Chloride (PVC) DWV Reducers (22 13 16 00-0529)				
22 13 16 00-0585	EA	2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	31.75 7.98	17.74
22 13 16 00-0586	EA	3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	48.17 9.52	21.10
22 13 16 00-0587	EA	3" x 2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	48.76 10.50	23.34
22 13 16 00-0588	EA	4" x 2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	65.48 11.48	25.48
22 13 16 00-0589	EA	4" x 3" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	71.85 13.02	28.93
22 13 16 00-0590	EA	6" x 3" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	194.14 15.12	33.60
22 13 16 00-0591	EA	6" x 4" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	169.11 16.10	35.75
22 13 16 00-0592	EA	8" x 4" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	380.92 19.25	42.75
22 13 16 00-0593	EA	8" x 6" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	331.79 21.35	47.42
22 13 16 00-0594	EA	10" x 6" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	439.50 25.43	56.47
22 13 16 00-0595	EA	10" x 8" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	361.39 28.58	63.47
22 13 16 00-0596 Polyvinyl Chloride (PVC) DWV P-Traps (22 13 16 00-0529)				
22 13 16 00-0597	EA	1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	44.01 10.50	23.34
22 13 16 00-0598	EA	2" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	57.07 13.44	29.87
22 13 16 00-0599	EA	3" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	121.31 18.06	40.14
22 13 16 00-0600	EA	4" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	215.53 21.00	46.67
22 13 16 00-0601	EA	6" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	348.29 27.30	60.58
22 13 16 00-0602 Polyvinyl Chloride (PVC) DWV Closet Flanges (22 13 16 00-0529)				
22 13 16 00-0603	EA	4" Polyvinyl Chloride (PVC) DWV Closet Flanges..... <i>For Work In Restricted Working Space, Add</i>	63.94 14.00	31.08
22 13 16 00-0604	EA	4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges..... <i>For Work In Restricted Working Space, Add</i>	55.47 13.02	28.93
22 13 16 00-0605 Polyvinyl Chloride (PVC) DWV Wyes (22 13 16 00-0529)				
22 13 16 00-0606	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	44.20 10.50	23.34
22 13 16 00-0607	EA	2" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	54.05 13.44	29.87
22 13 16 00-0608	EA	3" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	81.13 18.06	40.14
22 13 16 00-0609	EA	4" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	109.00 21.00	46.67
22 13 16 00-0610	EA	6" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	264.29 27.30	60.58
22 13 16 00-0611	EA	8" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	333.79 36.75	81.58
22 13 16 00-0612	EA	10" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	440.59 49.00	108.74
22 13 16 00-0613 Polyvinyl Chloride (PVC) DWV Reducing Wyes (22 13 16 00-0529)				
22 13 16 00-0614	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	54.70 11.48	25.48
22 13 16 00-0615	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	57.82 12.46	27.63
22 13 16 00-0616	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	77.37 15.54	34.54
22 13 16 00-0617	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	71.25 16.52	36.69



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0618	EA	4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	98.94 17.50	38.82
22 13 16 00-0619	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	92.93 18.48	41.07
22 13 16 00-0620	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	103.31 20.02	44.43
22 13 16 00-0621	EA	6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	237.94 24.22	53.76
22 13 16 00-0622	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	285.05 25.20	55.91
22 13 16 00-0623	EA	8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	286.10 31.50	69.91
22 13 16 00-0624	EA	8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	348.96 33.60	74.57
22 13 16 00-0625	EA	10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	336.26 39.67	88.02
22 13 16 00-0626	EA	10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	403.93 41.77	92.69
22 13 16 00-0627	EA	10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	462.88 44.92	99.68
22 13 16 00-0628 Polyvinyl Chloride (PVC) DWV Double Wyes (22 13 16 00-0529)				
22 13 16 00-0629	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	66.26 14.00	31.08
22 13 16 00-0630	EA	2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	84.93 17.92	39.76
22 13 16 00-0631	EA	3" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	145.34 24.08	53.49
22 13 16 00-0632	EA	4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	225.25 28.00	62.16
22 13 16 00-0633	EA	6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	420.09 36.40	80.84
22 13 16 00-0634	EA	8" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	500.51 49.01	108.83
22 13 16 00-0635	EA	10" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	755.05 65.33	145.05
22 13 16 00-0636 Polyvinyl Chloride (PVC) DWV Reducing Double Wyes (22 13 16 00-0529)				
22 13 16 00-0637	EA	2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	76.21 15.96	35.47
22 13 16 00-0638	EA	3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	120.56 19.04	42.28
22 13 16 00-0639	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	118.45 21.00	46.67
22 13 16 00-0640	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	155.62 22.96	50.97
22 13 16 00-0641	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	191.26 26.04	57.77
22 13 16 00-0642	EA	6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	278.89 32.20	71.50
22 13 16 00-0643	EA	8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	328.10 38.50	85.49
22 13 16 00-0644	EA	8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	404.97 42.70	94.83
22 13 16 00-0645	EA	10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	430.98 46.67	103.61
22 13 16 00-0646	EA	10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	540.09 50.87	112.94
22 13 16 00-0647	EA	10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	644.43 57.17	126.94
22 13 16 00-0648 Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends (22 13 16 00-0529)				
22 13 16 00-0649	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	49.94 10.50	23.34
22 13 16 00-0650	EA	2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	63.01 13.44	29.87
22 13 16 00-0651	EA	3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	108.05 18.06	40.14
22 13 16 00-0652	EA	4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	169.36 21.00	46.67
22 13 16 00-0653 Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends (22 13 16 00-0529)				
22 13 16 00-0654	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	79.24 12.46	27.63
22 13 16 00-0655	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	117.30 15.54	34.54
22 13 16 00-0656	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	96.01 16.52	36.69



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0657	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	152.69 18.48	41.07
22 13 16 00-0658	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	165.39 20.02	44.43
22 13 16 00-0659 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends (22 13 16 00-0529)				
22 13 16 00-0660	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	70.72 14.00	31.08
22 13 16 00-0661	EA	2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	85.42 17.92	39.76
22 13 16 00-0662	EA	3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	124.90 24.08	53.49
22 13 16 00-0663	EA	4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	328.47 28.00	62.16
22 13 16 00-0664	EA	6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	974.98 36.40	80.84
22 13 16 00-0665 Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0529)				
22 13 16 00-0666	EA	2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	131.88 15.96	35.47
22 13 16 00-0667	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	203.32 21.00	46.67
22 13 16 00-0668	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	324.98 22.96	50.97
22 13 16 00-0669	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	304.24 26.04	57.77
22 13 16 00-0670	EA	6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	665.02 32.20	71.50
22 13 16 00-0671 Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug (22 13 16 00-0529)				
22 13 16 00-0672	EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	88.60 13.44	29.87
22 13 16 00-0673	EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	143.87 18.06	40.14
22 13 16 00-0674	EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	215.55 21.00	46.67
22 13 16 00-0675	EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	513.91 27.30	60.58
22 13 16 00-0676	EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	649.05 36.75	81.58
22 13 16 00-0677	EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	861.77 49.00	108.74
22 13 16 00-0678 Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug (22 13 16 00-0529)				
22 13 16 00-0679	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	30.91 7.00	15.59
22 13 16 00-0680	EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	42.09 8.96	19.89
22 13 16 00-0681	EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	58.94 12.04	26.69
22 13 16 00-0682	EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	90.85 14.00	31.08
22 13 16 00-0683	EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	181.95 18.20	40.42
22 13 16 00-0684	EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	377.39 24.50	54.42
22 13 16 00-0685	EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	671.39 32.65	72.53
22 13 16 00-0686 Polyvinyl Chloride (PVC) Couplings (22 13 16 00-0529)				
22 13 16 00-0687	EA	1-1/2" Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	25.58 7.00	15.59
22 13 16 00-0688	EA	2" Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	32.39 8.96	19.89
22 13 16 00-0689	EA	3" Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	46.59 12.04	26.69
22 13 16 00-0690	EA	4" Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	57.27 14.00	31.08
22 13 16 00-0691	EA	6" Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	119.16 18.20	40.42
22 13 16 00-0692	EA	8" Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	250.65 24.50	54.42
22 13 16 00-0693	EA	10" Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	370.75 32.67	72.53



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0694			Polyvinyl Chloride (PVC) Male Adapters (22 13 16 00-0629)		
22 13 16 00-0695	EA		1-1/2" Polyvinyl Chloride (PVC) Male Adapters	13.94	7.74
22 13 16 00-0696	EA		2" Polyvinyl Chloride (PVC) Male Adapters	20.52	9.98
22 13 16 00-0697	EA		3" Polyvinyl Chloride (PVC) Male Adapters	35.56	13.35
22 13 16 00-0698	EA		4" Polyvinyl Chloride (PVC) Male Adapters	58.84	15.59
22 13 16 00-0699			Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe (22 13 16 00-0503)		
			Note: In place piping.		
22 13 16 00-0700	EA		1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	6.84	
22 13 16 00-0701	EA		2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	7.53	
22 13 16 00-0702	EA		3", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	9.57	
22 13 16 00-0703	EA		4", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	12.92	
22 13 16 00-0704	EA		6", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	18.46	
22 13 16 00-0705	EA		8", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	24.63	
22 13 16 00-0706	EA		10", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	30.11	
22 13 16 00-0707			Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings (22 13 16)		
			Note: Aboveground installation.		
22 13 16 00-0708			Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies (22 13 16 00-0707)		
			Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0709	LF		1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly	20.02	3.92
			Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	5.37	
22 13 16 00-0710	LF		2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly	22.20	4.67
			Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	5.95	
22 13 16 00-0711	LF		3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly	28.94	6.72
			Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	7.39	
22 13 16 00-0712	LF		4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly	32.77	7.28
			Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	8.21	
22 13 16 00-0713	LF		6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly	49.44	9.34
			Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	10.91	
22 13 16 00-0714			Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628) (22 13 16 00-0707)		
			Note: Excludes fittings or hangers.		
22 13 16 00-0715	LF		1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	6.99	3.92
			For Work In Restricted Working Space, Add	1.75	
22 13 16 00-0716	LF		2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	8.55	4.67
			For Work In Restricted Working Space, Add	2.10	
22 13 16 00-0717	LF		3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	13.26	6.72
			For Work In Restricted Working Space, Add	3.01	
22 13 16 00-0718	LF		4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	15.51	7.28
			For Work In Restricted Working Space, Add	3.27	
22 13 16 00-0719	LF		6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	22.93	9.02
			For Work In Restricted Working Space, Add	4.05	
22 13 16 00-0720			Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661) (22 13 16 00-0707)		
22 13 16 00-0721			Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends (22 13 16 00-0720)		
22 13 16 00-0722	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	28.29	15.59
			For Work In Restricted Working Space, Add	7.00	
22 13 16 00-0723	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	36.93	19.89
			For Work In Restricted Working Space, Add	8.96	
22 13 16 00-0724	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	61.92	26.69
			For Work In Restricted Working Space, Add	12.04	
22 13 16 00-0725	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	89.35	31.08
			For Work In Restricted Working Space, Add	14.00	
22 13 16 00-0726	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	219.97	40.42
			For Work In Restricted Working Space, Add	18.20	
22 13 16 00-0727			Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends (22 13 16 00-0720)		
22 13 16 00-0728	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	35.13	15.59
			For Work In Restricted Working Space, Add	7.00	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0729	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	43.62 8.96	19.89
22 13 16 00-0730	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	78.53 12.04	26.69
22 13 16 00-0731	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	122.39 14.00	31.08
22 13 16 00-0732 Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends (22 13 16 00-0720)				
22 13 16 00-0733	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	29.22 7.00	15.59
22 13 16 00-0734	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	36.28 8.96	19.89
22 13 16 00-0735	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	58.52 12.04	26.69
22 13 16 00-0736	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	83.06 14.00	31.08
22 13 16 00-0737	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	226.60 18.20	40.42
22 13 16 00-0738 Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees (22 13 16 00-0720)				
22 13 16 00-0739	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	43.43 10.50	23.34
22 13 16 00-0740	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	57.47 13.44	29.87
22 13 16 00-0741	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	92.48 18.06	40.14
22 13 16 00-0742	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	132.03 21.00	46.67
22 13 16 00-0743	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	427.16 27.30	60.58
22 13 16 00-0744 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees (22 13 16 00-0720)				
22 13 16 00-0745	EA	2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	51.71 11.48	25.48
22 13 16 00-0746	EA	2" x 1-1/2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	60.41 12.46	27.63
22 13 16 00-0747	EA	2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	53.68 12.46	27.63
22 13 16 00-0748	EA	3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	76.45 15.54	34.54
22 13 16 00-0749	EA	3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	79.95 16.52	36.69
22 13 16 00-0750	EA	4" x 4" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	147.73 17.50	38.82
22 13 16 00-0751	EA	4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	145.05 18.48	41.07
22 13 16 00-0752	EA	4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	164.58 20.02	44.43
22 13 16 00-0753	EA	6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	459.85 25.20	55.91
22 13 16 00-0754 Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees (22 13 16 00-0720)				
22 13 16 00-0755	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	72.27 14.00	31.08
22 13 16 00-0756	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	97.09 17.92	39.76
22 13 16 00-0757	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	185.19 24.08	53.49
22 13 16 00-0758	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	261.50 28.00	62.16
22 13 16 00-0759 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees (22 13 16 00-0720)				
22 13 16 00-0760	EA	2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	82.24 15.96	35.47
22 13 16 00-0761	EA	3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	116.95 19.04	42.28
22 13 16 00-0762	EA	3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	133.28 21.00	46.67
22 13 16 00-0763	EA	4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	213.33 22.19	49.26
22 13 16 00-0764	EA	4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	227.10 25.17	55.84
22 13 16 00-0765 Acrylonitrile Butadiene Styrene (ABS) DWV Wyes (22 13 16 00-0720)				



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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0766	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	51.97 10.50	23.34
22 13 16 00-0767	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	62.22 13.44	29.87
22 13 16 00-0768	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	98.76 18.06	40.14
22 13 16 00-0769	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	141.84 21.00	46.67
22 13 16 00-0770	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	354.58 27.30	60.58
22 13 16 00-0771 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes (22 13 16 00-0720)				
22 13 16 00-0772	EA	2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	68.54 11.48	25.48
22 13 16 00-0773	EA	2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	71.50 12.46	27.63
22 13 16 00-0774	EA	3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	85.03 16.52	36.69
22 13 16 00-0775	EA	4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	119.32 18.48	41.07
22 13 16 00-0776	EA	4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	134.17 20.02	44.43
22 13 16 00-0777	EA	6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	301.77 25.20	55.91
22 13 16 00-0778 Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes (22 13 16 00-0720)				
22 13 16 00-0779	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	82.76 14.00	31.08
22 13 16 00-0780	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	106.16 17.92	39.76
22 13 16 00-0781	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	200.27 24.08	53.49
22 13 16 00-0782	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	336.42 28.00	62.16
22 13 16 00-0783 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes (22 13 16 00-0720)				
22 13 16 00-0784	EA	2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	95.59 15.96	35.47
22 13 16 00-0785	EA	3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	148.11 19.04	42.28
22 13 16 00-0786	EA	3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	159.10 21.00	46.67
22 13 16 00-0787	EA	4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	222.28 22.96	50.97
22 13 16 00-0788	EA	4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	279.32 26.04	57.77
22 13 16 00-0789 Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend (22 13 16 00-0720)				
22 13 16 00-0790	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	62.10 10.50	23.34
22 13 16 00-0791	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	80.02 13.44	29.87
22 13 16 00-0792	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	118.23 18.06	40.14
22 13 16 00-0793	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	181.59 20.30	45.11
22 13 16 00-0794 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend (22 13 16 00-0720)				
22 13 16 00-0795	EA	2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	70.06 12.46	27.63
22 13 16 00-0796	EA	3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	119.34 15.54	34.54
22 13 16 00-0797	EA	3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	97.28 16.52	36.69
22 13 16 00-0798	EA	4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	155.63 18.48	41.07
22 13 16 00-0799	EA	4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	168.55 20.02	44.43
22 13 16 00-0800 Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend (22 13 16 00-0720)				
22 13 16 00-0801	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	123.50 17.92	39.76

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0802 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	227.34 24.08	53.49
22 13 16 00-0803 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend (22 13 16 00-0720)		
22 13 16 00-0804 EA 2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	104.51 15.96	35.47
22 13 16 00-0805 EA 3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	214.57 21.00	46.67
22 13 16 00-0806 Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug (22 13 16 00-0720)		
22 13 16 00-0807 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	66.88 10.50	23.34
22 13 16 00-0808 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	84.80 13.44	29.87
22 13 16 00-0809 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	128.90 18.06	40.14
22 13 16 00-0810 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	198.43 21.00	46.67
22 13 16 00-0811 Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug (22 13 16 00-0720)		
22 13 16 00-0812 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	34.27 7.00	15.59
22 13 16 00-0813 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	47.51 8.96	19.89
22 13 16 00-0814 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	67.24 12.04	26.69
22 13 16 00-0815 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	110.48 14.00	31.08
22 13 16 00-0816 EA 6" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	235.84 18.20	40.42
22 13 16 00-0817 Acrylonitrile Butadiene Styrene (ABS) DWV Couplings (22 13 16 00-0720)		
22 13 16 00-0818 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	27.11 7.00	15.59
22 13 16 00-0819 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	33.84 8.96	19.89
22 13 16 00-0820 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	50.94 12.04	26.69
22 13 16 00-0821 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	64.48 14.00	31.08
22 13 16 00-0822 EA 6" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	148.71 18.20	40.42
22 13 16 00-0823 Acrylonitrile Butadiene Styrene (ABS) DWV Reducers (22 13 16 00-0720)		
22 13 16 00-0824 EA 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	36.15 7.98	17.74
22 13 16 00-0825 EA 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	62.01 9.52	21.10
22 13 16 00-0826 EA 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	60.38 10.50	23.34
22 13 16 00-0827 EA 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	88.34 11.48	25.48
22 13 16 00-0828 EA 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	95.78 13.02	28.93
22 13 16 00-0829 Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps (22 13 16 00-0720)		
22 13 16 00-0830 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	53.51 10.50	23.34
22 13 16 00-0831 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	74.76 13.44	29.87
22 13 16 00-0832 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	197.44 18.06	40.14
22 13 16 00-0833 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	351.18 21.00	46.67
22 13 16 00-0834 Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges (22 13 16 00-0720)		
22 13 16 00-0835 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	72.52 14.00	31.08
22 13 16 00-0836 EA 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	67.64 13.02	28.93



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Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0837			Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters (22 13 16 00-0720)		
22 13 16 00-0838	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters.....	16.48	7.74
			For Work In Restricted Working Space, Add	3.50	
22 13 16 00-0839	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters.....	23.45	9.98
			For Work In Restricted Working Space, Add	4.48	
22 13 16 00-0840	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters.....	44.89	13.35
			For Work In Restricted Working Space, Add	6.02	
22 13 16 00-0841	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters.....	78.25	15.59
			For Work In Restricted Working Space, Add	7.00	
22 13 16 00-0842			Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings (22 13 16 00-0720)		
22 13 16 00-0843	EA		2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....	30.57	17.74
			For Work In Restricted Working Space, Add	7.98	
22 13 16 00-0844	EA		3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....	53.16	21.10
			For Work In Restricted Working Space, Add	9.52	
22 13 16 00-0845	EA		3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....	48.61	23.34
			For Work In Restricted Working Space, Add	10.50	
22 13 16 00-0846	EA		4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....	87.65	25.48
			For Work In Restricted Working Space, Add	11.48	
22 13 16 00-0847	EA		4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....	72.02	28.93
			For Work In Restricted Working Space, Add	13.02	
22 13 16 00-0848	EA		6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....	164.08	34.55
			For Work In Restricted Working Space, Add	15.56	
22 13 16 00-0849			Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings (22 13 16 00-0720)		
22 13 16 00-0850	EA		1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling.....	60.45	15.59
			For Work In Restricted Working Space, Add	7.00	
22 13 16 00-0851	EA		2" x 2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling.....	69.45	19.89
			For Work In Restricted Working Space, Add	8.96	
22 13 16 00-0852	EA		3" x 3" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling.....	82.20	26.69
			For Work In Restricted Working Space, Add	12.04	
22 13 16 00-0853	EA		4" x 4" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling.....	91.20	31.08
			For Work In Restricted Working Space, Add	14.00	
22 13 16 00-0854			Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe (22 13 16 00-0707)		
			Note: In place piping.		
22 13 16 00-0855	EA		1-1/2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	6.84	
22 13 16 00-0856	EA		2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	7.53	
22 13 16 00-0857	EA		3", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	9.57	
22 13 16 00-0858	EA		4", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	12.92	
22 13 16 00-0859	EA		6", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	18.46	
22 13 16 00-0860			Elastomeric Flexible Pipe Couplings (22 13 16)		
22 13 16 00-0861			Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Couplings (22 13 16 00-0860)		
			Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0862	EA		1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-125).....	14.28	4.05
22 13 16 00-0863	EA		1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150).....	15.46	4.30
22 13 16 00-0864	EA		2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22).....	16.22	4.56
22 13 16 00-0865	EA		3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33).....	19.22	4.82
22 13 16 00-0866	EA		4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44).....	22.15	5.07
22 13 16 00-0867	EA		5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55).....	29.46	5.32
22 13 16 00-0868	EA		6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66).....	36.83	5.57
22 13 16 00-0869	EA		8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88).....	51.67	6.08
22 13 16 00-0870	EA		10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010).....	69.10	7.10
22 13 16 00-0871			Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Couplings (22 13 16 00-0860)		
			Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0872	EA		1-1/2" x 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-150/125).....	15.22	4.30
22 13 16 00-0873	EA		2" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-215).....	16.62	4.56
22 13 16 00-0874	EA		3" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-315).....	21.20	4.82
22 13 16 00-0875	EA		3" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-32).....	18.50	4.82
22 13 16 00-0876	EA		4" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-415).....	27.02	5.07
22 13 16 00-0877	EA		4" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-42).....	25.64	5.07
22 13 16 00-0878	EA		4" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-43).....	23.07	5.07
22 13 16 00-0879	EA		5" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-53).....	35.49	5.32
22 13 16 00-0880	EA		5" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-54).....	31.56	5.32
22 13 16 00-0881	EA		6" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-63).....	44.94	5.57
22 13 16 00-0882	EA		6" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-64).....	39.07	5.57
22 13 16 00-0883	EA		6" x 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-65).....	40.70	5.57

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0884 EA 8" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-84).....	80.72	10.14
22 13 16 00-0885 EA 8" x 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-86).....	64.43	10.14
22 13 16 00-0886 EA 10" x 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-10-8).....	82.94	11.40
22 13 16 00-0887 Elastomeric Flexible Pipe Caps (Fernco QC) (22 13 16)		
Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp.		
22 13 16 00-0888 EA 1-1/2" Elastomeric Flexible Pipe Cap (Fernco QC-101).....	47.09	27.36
22 13 16 00-0889 EA 2" Elastomeric Flexible Pipe Cap (Fernco QC-102).....	50.75	29.09
22 13 16 00-0890 EA 3" Elastomeric Flexible Pipe Cap (Fernco QC-103).....	59.05	33.34
22 13 16 00-0891 EA 4" Elastomeric Flexible Pipe Cap (Fernco QC-104).....	77.79	44.08
22 13 16 00-0892 EA 5" Elastomeric Flexible Pipe Cap (Fernco QC-105).....	93.42	52.70
22 13 16 00-0893 EA 6" Elastomeric Flexible Pipe Cap (Fernco QC-106).....	106.99	60.81
22 13 16 00-0894 EA 8" Elastomeric Flexible Pipe Cap (Fernco QC-108).....	147.42	77.02
22 13 16 00-0895 EA 10" Elastomeric Flexible Pipe Cap (Fernco QC-110).....	188.27	86.14
22 13 16 00-0896 EA 12" Elastomeric Flexible Pipe Cap (Fernco QC-112).....	249.84	95.77
22 13 16 00-0897 Seamless Pipe Vent Flashing For Multiple Pipe (22 13 16)		
Note: Elmdor/Stoneman #910.		
22 13 16 00-0898 EA Multi Flash Assembly; Elmdor/Stoneman #910-6 STD - 4 LB.....	385.77	106.41
22 13 16 00-0899 EA Multi Flash Assembly; Elmdor/Stoneman #910-6 STD - 6 LB.....	400.36	106.41
22 13 16 00-0900 EA Multi Flash Assembly; Elmdor/Stoneman #910-8 SK - 4 LB.....	434.46	124.15
22 13 16 00-0901 EA Multi Flash Assembly; Elmdor/Stoneman #910-8 SK - 6 LB.....	454.93	124.15
22 13 16 00-0902 EA Multi Flash Assembly; Elmdor/Stoneman #910-10 SK - 4 LB.....	494.03	144.42
22 13 16 00-0903 EA Multi Flash Assembly; Elmdor/Stoneman #910-10 SK - 6 LB.....	521.92	144.42
22 13 16 00-0904 Cast Iron Vent Stack Flashing Sleeves With Caulking Recess (Josam 26450 Series) (22 13 16)		
22 13 16 00-0905 EA 1-1/2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	86.87	21.01
22 13 16 00-0906 EA 2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	91.54	23.34
22 13 16 00-0907 EA 3" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	137.59	30.33
22 13 16 00-0908 EA 4" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	161.36	35.00
22 13 16 00-0909 EA 5" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	188.30	39.67
22 13 16 00-0910 EA 6" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	319.43	44.34
22 13 16 00-0911 Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess (Josam 26440 Series) (22 13 16)		
22 13 16 00-0912 EA 1-1/2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	172.44	21.01
22 13 16 00-0913 EA 2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	177.11	23.34
22 13 16 00-0914 EA 3" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	210.61	30.33
22 13 16 00-0915 EA 4" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	263.42	35.00
22 13 16 00-0916 EA 5" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	359.71	39.67
22 13 16 00-0917 EA 6" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	369.05	44.34
22 13 16 00-0918 Cast Iron Vandal Proof Hooded Vent Cap (Josam 26700 Series) (22 13 16)		
Note: Includes counterflashing collar, deep protective hood and recessed securing screws.		
22 13 16 00-0919 EA 1-1/2" Cast Iron Vandal Proof Hooded Vent Cap.....	328.39	21.01
22 13 16 00-0920 EA 2" Cast Iron Vandal Proof Hooded Vent Cap.....	333.06	23.34
22 13 16 00-0921 EA 3" Cast Iron Vandal Proof Hooded Vent Cap.....	382.86	30.33
22 13 16 00-0922 EA 4" Cast Iron Vandal Proof Hooded Vent Cap.....	430.99	35.00
22 13 16 00-0923 EA 5" Cast Iron Vandal Proof Hooded Vent Cap.....	502.96	39.67
22 13 16 00-0924 EA 6" Cast Iron Vandal Proof Hooded Vent Cap.....	549.60	44.34
22 13 19 Sanitary Waste Piping Specialties (22 13)		
22 13 19 13 Sanitary Drains (22 13 19)		
22 13 19 13-0001 Round Top Floor Drains (22 13 19 13)		
22 13 19 13-0002 EA Bronze Top, 6" Round Top Floor Drain With 1-1/2" Outlet.....	625.11	100.34
For Sediment Bucket, Add	22.50	
For Galvanized Cast Iron Parts, Add	105.00	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0003 EA Bronze Top, 6" Round Top Floor Drain With 2" Outlet.....	687.32	112.47
For Sediment Bucket, Add	22.50	
For Galvanized Cast Iron Parts, Add	105.00	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0004 EA Bronze Top, 6" Round Top Floor Drain With 3" Outlet.....	673.36	124.42
For Sediment Bucket, Add	22.50	
For Galvanized Cast Iron Parts, Add	105.00	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0005 EA Bronze Top, 6" Round Top Floor Drain With 4" Outlet.....	698.99	137.30
For Sediment Bucket, Add	22.50	
For Galvanized Cast Iron Parts, Add	105.00	
For Vandal Proof Screws, Add	11.00	



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0006	EA	Cast Iron Top, 9" Round Top Floor Drain With 2" Outlet.....	629.81	112.47
		For Galvanized Cast Iron Parts, Add	87.50	
		For Vandal Proof Screws, Add	30.50	
		For Ductile Iron Grate, Add	48.00	
		For Cast Iron Dome Grate, Add	17.00	
		For Nikaloy Dome Grate, Add	178.50	
		For Bronze Dome Grate, Add	143.00	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
		For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0007	EA	Cast Iron Top, 9" Round Top Floor Drain With 3" Outlet.....	653.80	124.42
		For Galvanized Cast Iron Parts, Add	87.50	
		For Vandal Proof Screws, Add	30.50	
		For Ductile Iron Grate, Add	48.00	
		For Cast Iron Dome Grate, Add	17.00	
		For Nikaloy Dome Grate, Add	178.50	
		For Bronze Dome Grate, Add	143.00	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
		For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0008	EA	Cast Iron Top, 9" Round Top Floor Drain With 4" Outlet.....	679.43	137.30
		For Galvanized Cast Iron Parts, Add	87.50	
		For Vandal Proof Screws, Add	30.50	
		For Ductile Iron Grate, Add	48.00	
		For Cast Iron Dome Grate, Add	17.00	
		For Nikaloy Dome Grate, Add	178.50	
		For Bronze Dome Grate, Add	143.00	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
		For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0009	EA	Nikaloy Top, 9" Round Top Floor Drain With 2" Outlet.....	1,032.76	112.47
		For Galvanized Cast Iron Parts, Add	87.50	
		For Vandal Proof Screws, Add	30.50	
		For Ductile Iron Grate, Add	48.00	
		For Cast Iron Dome Grate, Add	17.00	
		For Nikaloy Dome Grate, Add	178.50	
		For Bronze Dome Grate, Add	143.00	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
		For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0010	EA	Nikaloy Top, 9" Round Top Floor Drain With 3" Outlet.....	1,056.75	124.42
		For Galvanized Cast Iron Parts, Add	87.50	
		For Vandal Proof Screws, Add	30.50	
		For Ductile Iron Grate, Add	48.00	
		For Cast Iron Dome Grate, Add	17.00	
		For Nikaloy Dome Grate, Add	178.50	
		For Bronze Dome Grate, Add	143.00	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
		For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0011	EA	Nikaloy Top, 9" Round Top Floor Drain With 4" Outlet.....	1,082.38	137.30
		For Galvanized Cast Iron Parts, Add	87.50	
		For Vandal Proof Screws, Add	30.50	
		For Ductile Iron Grate, Add	48.00	
		For Cast Iron Dome Grate, Add	17.00	
		For Nikaloy Dome Grate, Add	178.50	
		For Bronze Dome Grate, Add	143.00	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
		For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0012	EA	Bronze Top, 9" Round Top Floor Drain With 2" Outlet.....	974.08	112.47
		For Galvanized Cast Iron Parts, Add	87.50	
		For Vandal Proof Screws, Add	30.50	
		For Ductile Iron Grate, Add	48.00	
		For Cast Iron Dome Grate, Add	17.00	
		For Nikaloy Dome Grate, Add	178.50	
		For Bronze Dome Grate, Add	143.00	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
		For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0013	EA	Bronze Top, 9" Round Top Floor Drain With 3" Outlet.....	997.94	124.42
		For Galvanized Cast Iron Parts, Add	87.50	
		For Vandal Proof Screws, Add	30.50	
		For Ductile Iron Grate, Add	48.00	
		For Cast Iron Dome Grate, Add	17.00	
		For Nikaloy Dome Grate, Add	178.50	
		For Bronze Dome Grate, Add	143.00	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
		For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0014	EA	Bronze Top, 9" Round Top Floor Drain With 4" Outlet.....	1,023.70	137.30
		For Galvanized Cast Iron Parts, Add	87.50	
		For Vandal Proof Screws, Add	30.50	
		For Ductile Iron Grate, Add	48.00	
		For Cast Iron Dome Grate, Add	17.00	
		For Nikaloy Dome Grate, Add	178.50	
		For Bronze Dome Grate, Add	143.00	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
		For Galvanized Extension Collar, Each 3", Add	117.50	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0015	EA		Cast Iron Top, 12-5/8" Round Top Floor Drain With 2" Outlet.....	1,067.87	112.38
			For Primer Tap, Add	33.50	
			For Chained Grate, Add	48.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Bronze Dome Grate, Add	218.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0016	EA		Cast Iron Top, 12-5/8" Round Top Floor Drain With 3" Outlet.....	1,091.83	124.42
			For Primer Tap, Add	33.50	
			For Chained Grate, Add	48.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Bronze Dome Grate, Add	218.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0017	EA		Cast Iron Top, 12-5/8" Round Top Floor Drain With 4" Outlet.....	1,117.59	137.30
			For Primer Tap, Add	33.50	
			For Chained Grate, Add	48.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Bronze Dome Grate, Add	218.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0018	EA		Nikaloy Top, 12-5/8" Round Top Floor Drain With 2" Outlet.....	1,670.33	112.38
			For Primer Tap, Add	33.50	
			For Chained Grate, Add	48.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Bronze Dome Grate, Add	218.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0019	EA		Nikaloy Top, 12-5/8" Round Top Floor Drain With 3" Outlet.....	1,694.29	124.42
			For Primer Tap, Add	33.50	
			For Chained Grate, Add	48.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Bronze Dome Grate, Add	218.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0020	EA		Nikaloy Top, 12-5/8" Round Top Floor Drain With 4" Outlet.....	1,720.05	137.30
			For Primer Tap, Add	33.50	
			For Chained Grate, Add	48.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Bronze Dome Grate, Add	218.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0021	EA		Bronze Top, 12-5/8" Round Top Floor Drain With 2" Outlet.....	1,590.13	112.38
			For Primer Tap, Add	33.50	
			For Chained Grate, Add	48.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Bronze Dome Grate, Add	218.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	



Plumbing			22	22
Plumbing Piping			22 10	
Facility Sanitary Sewerage			22 13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0022	EA		Bronze Top, 12-5/8" Round Top Floor Drain With 3" Outlet.....	1,614.09	124.42
			For Primer Tap, Add	33.50	
			For Chained Grate, Add	48.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Bronze Dome Grate, Add	218.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0023	EA		Bronze Top, 12-5/8" Round Top Floor Drain With 4" Outlet.....	1,639.85	137.30
			For Primer Tap, Add	33.50	
			For Chained Grate, Add	48.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Bronze Dome Grate, Add	218.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0024			Square Or Rectangular Top Drains (22 13 19 13)		
22 13 19 13-0025	EA		5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	741.21	112.38
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0026	EA		5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	765.43	124.51
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0027	EA		5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	790.93	137.30
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0028	EA		6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	799.89	112.38
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0029	EA		6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	824.11	124.51
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0030	EA		6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	849.61	137.30
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0031	EA		8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	1,058.09	112.38
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0032	EA		8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,082.31	124.51
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0033	EA		8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,107.81	137.30
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0034	EA		5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top	698.17	112.38
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0035	EA		5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top	722.39	124.51
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0036	EA		5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top	747.89	137.30
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0037	EA		6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top	772.50	112.38
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0038	EA		6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top	796.72	124.51
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0039	EA		6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top	822.22	137.30
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0040	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top	981.80	112.38
		For Sediment Bucket, Add	22.50	
		For Galvanized Cast Iron Parts, Add	105.00	
		For Vandal Proof Screws, Add	11.00	
22 13 19 13-0041	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top	1,006.02	124.51
		For Sediment Bucket, Add	22.50	
		For Galvanized Cast Iron Parts, Add	105.00	
		For Vandal Proof Screws, Add	11.00	
22 13 19 13-0042	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top	1,031.52	137.30
		For Sediment Bucket, Add	22.50	
		For Galvanized Cast Iron Parts, Add	105.00	
		For Vandal Proof Screws, Add	11.00	
22 13 19 13-0043	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top	2,516.09	124.51
		For Galvanized Cast Iron Parts, Add	318.00	
		For No-Hub Side Outlet, Add	76.00	
		For Chained Grate, Add	48.50	
22 13 19 13-0044	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top	2,541.59	137.30
		For Galvanized Cast Iron Parts, Add	318.00	
		For No-Hub Side Outlet, Add	76.00	
		For Chained Grate, Add	48.50	
22 13 19 13-0045	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top	3,153.76	124.51
		For Galvanized Cast Iron Parts, Add	318.00	
		For No-Hub Side Outlet, Add	76.00	
		For Chained Grate, Add	48.50	
22 13 19 13-0046	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top	3,179.26	137.30
		For Galvanized Cast Iron Parts, Add	318.00	
		For No-Hub Side Outlet, Add	76.00	
		For Chained Grate, Add	48.50	
22 13 19 13-0047	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top	3,077.48	124.51
		For Galvanized Cast Iron Parts, Add	318.00	
		For No-Hub Side Outlet, Add	76.00	
		For Chained Grate, Add	48.50	
22 13 19 13-0048	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top	3,102.98	137.30
		For Galvanized Cast Iron Parts, Add	318.00	
		For No-Hub Side Outlet, Add	76.00	
		For Chained Grate, Add	48.50	
22 13 19 13-0049	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,073.74	112.38
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
22 13 19 13-0050	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,097.96	124.51
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
22 13 19 13-0051	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,123.46	137.30
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
22 13 19 13-0052	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,376.92	112.38
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
22 13 19 13-0053	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,401.14	124.51
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
22 13 19 13-0054	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,426.64	137.30
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
22 13 19 13-0055	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,447.34	112.38
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
22 13 19 13-0056	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,471.56	124.51
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
22 13 19 13-0057	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,497.06	137.30
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
22 13 19 13-0058	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,993.08	112.38
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
22 13 19 13-0059	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top	2,017.30	124.51
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
22 13 19 13-0060	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top	2,042.80	137.30
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0061	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	1,011.14 22.50 11.00 120.94	112.38
22 13 19 13-0062	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	1,035.36 22.50 11.00 120.94	124.51
22 13 19 13-0063	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	1,060.86 22.50 11.00 120.94	137.30
22 13 19 13-0064	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	1,269.34 22.50 11.00 120.94	112.38
22 13 19 13-0065	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	1,293.56 22.50 11.00 120.94	124.51
22 13 19 13-0066	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	1,319.06 22.50 11.00 120.94	137.30
22 13 19 13-0067	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	1,339.76 22.50 11.00 120.94	112.38
22 13 19 13-0068	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	1,363.98 22.50 11.00 120.94	124.51
22 13 19 13-0069	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	1,389.48 22.50 11.00 120.94	137.30
22 13 19 13-0070	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	1,783.78 22.50 11.00 120.94	112.38
22 13 19 13-0071	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	1,808.00 22.50 11.00 120.94	124.51
22 13 19 13-0072	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	1,833.50 22.50 11.00 120.94	137.30
22 13 19 13-0073	Funnel Type Floor Drains (22 13 19 13)			
22 13 19 13-0074	EA	7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	1,012.49 105.00 -19.50 11.00	100.34
22 13 19 13-0075	EA	7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	1,036.57 105.00 -19.50 11.00	112.38
22 13 19 13-0076	EA	7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	1,060.53 105.00 -19.50 11.00	124.42
22 13 19 13-0077	EA	7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	1,086.29 105.00 -19.50 11.00	137.30
22 13 19 13-0078	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	1,476.68 105.00 -19.50 11.00	112.38
22 13 19 13-0079	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	1,500.64 105.00 -19.50 11.00	124.42
22 13 19 13-0080	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	1,526.40 105.00 -19.50 11.00	137.30
22 13 19 13-0081	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	1,400.40 105.00 -19.50 11.00	112.38

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0082 EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top	1,424.36	124.42
For Galvanized Cast Iron Parts, Add	105.00	
For Satin Finish Bronze Top, Deduct	-19.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0083 EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top	1,450.12	137.30
For Galvanized Cast Iron Parts, Add	105.00	
For Satin Finish Bronze Top, Deduct	-19.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0084 Floor Drain With Sediment Bucket Bottom Outlet <small>(22 13 19 13)</small>		
22 13 19 13-0085 EA 12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap	2,131.27	100.34
For Primer Tap, Add	33.50	
For Vandal Proof Screws, Add	30.50	
For Galvanized Cast Iron Parts, Add	247.00	
22 13 19 13-0086 EA 12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap	2,155.43	112.38
For Primer Tap, Add	33.50	
For Vandal Proof Screws, Add	30.50	
For Galvanized Cast Iron Parts, Add	247.00	
22 13 19 13-0087 EA 12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap	2,179.39	124.42
For Primer Tap, Add	33.50	
For Vandal Proof Screws, Add	30.50	
For Galvanized Cast Iron Parts, Add	247.00	
22 13 19 13-0088 EA 12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap	2,205.15	137.30
For Primer Tap, Add	33.50	
For Vandal Proof Screws, Add	30.50	
For Galvanized Cast Iron Parts, Add	247.00	
22 13 19 13-0089 EA 12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap	2,231.72	150.56
For Primer Tap, Add	33.50	
For Vandal Proof Screws, Add	30.50	
For Galvanized Cast Iron Parts, Add	247.00	
22 13 19 13-0090 EA 12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate	2,304.09	112.38
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0091 EA 12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate	2,328.31	124.51
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0092 EA 12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate	2,353.81	137.30
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0093 EA 12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate	2,380.38	150.56
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0094 EA 12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate	1,421.91	112.38
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0095 EA 12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate	1,446.13	124.51
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0096 EA 12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate	1,471.63	137.30
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0097 EA 12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate	1,498.20	150.56
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0098 EA 12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	2,151.52	112.38
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

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MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
22 13 19 13-0099	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	2,175.74		124.51
		For Vandal Proof Screws, Add	29.50		
		For Primer Tap, Add	31.00		
		For Aluminum Bucket, Add	77.50		
		For Galvanized Cast Iron Parts, Add	273.75		
22 13 19 13-0100	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	2,201.24		137.30
		For Vandal Proof Screws, Add	29.50		
		For Primer Tap, Add	31.00		
		For Aluminum Bucket, Add	77.50		
		For Galvanized Cast Iron Parts, Add	273.75		
22 13 19 13-0101	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	2,227.81		150.56
		For Vandal Proof Screws, Add	29.50		
		For Primer Tap, Add	31.00		
		For Aluminum Bucket, Add	77.50		
		For Galvanized Cast Iron Parts, Add	273.75		
22 13 19 13-0102		Other Drains (22 13 19 13)			
22 13 19 13-0103		Shower Drains (22 13 19 13-0102)			
22 13 19 13-0104	EA	4-1/4" Stainless Steel Shower Drain Strainer.....	36.87		10.14
		Note: Includes two 2-5/8" screws.			
22 13 19 13-0105	EA	4-1/4" Brass Shower Drain Strainer.....	40.66		10.14
		Note: Includes two 2-5/8" screws.			
22 13 19 13-0106	EA	4" Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe.....	86.12		20.27
		Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.			
22 13 19 13-0107	EA	4" Chrome Finish, Threaded Brass Shower Drain And Gasket.....	107.89		20.27
		Note: For 2" pipe. Kohler K-9132.			
22 13 19 13-0108		Acid Resistant Floor Drains (22 13 19 13-0102)			
22 13 19 13-0109	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top.....	1,020.23		100.34
		For Galvanized Cast Iron Parts, Add	87.50		
		For Primer Tap, Add	33.50		
		For Vandal Proof Screws, Add	30.50		
22 13 19 13-0110	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top.....	1,044.39		112.38
		For Galvanized Cast Iron Parts, Add	87.50		
		For Primer Tap, Add	33.50		
		For Vandal Proof Screws, Add	30.50		
22 13 19 13-0111	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top.....	1,068.35		124.42
		For Galvanized Cast Iron Parts, Add	87.50		
		For Primer Tap, Add	33.50		
		For Vandal Proof Screws, Add	30.50		
22 13 19 13-0112		Rotary And Lever Drains (22 13 19 13-0102)			
22 13 19 13-0113	EA	Lever Drain, 1-1/2" Drain, 3" Sink Opening.....	225.32		67.67
22 13 19 13-0114	EA	Lever Drain, 2" Drain, 3" Sink Opening.....	239.31		74.67
22 13 19 13-0115	EA	Lever Drain, 1-1/2" Drain, 3-1/2" Sink Opening.....	225.32		67.67
22 13 19 13-0116	EA	Lever Drain, 2" Drain, 3-1/2" Sink Opening.....	239.31		74.67
22 13 19 13-0117	EA	Twist Drain, 1-1/2" Drain, 3" Sink Opening.....	225.32		67.67
22 13 19 13-0118	EA	Twist Drain, 2" Drain, 3" Sink Opening.....	239.31		74.67
22 13 19 13-0119	EA	Twist Drain, 1-1/2" Drain, 3-1/2" Sink Opening.....	225.32		67.67
22 13 19 13-0120	EA	Twist Drain, 2" Drain, 3-1/2" Sink Opening.....	239.31		74.67
22 13 19 13-0121	EA	Rotary Twist Drain, 1-1/2"-2" Drain, 3-1/2" Sink Opening (Fisher 16100).....	308.73		74.67
22 13 19 13-0122		Floor Receptor (22 13 19 13)			
22 13 19 13-0123		9" Diameter Round Shallow Receptor (22 13 19 13-0122)			
		Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.			
22 13 19 13-0124	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection.....	1,249.93		112.47
		For Flange With Seepage Holes, Add	58.50		
		For Flange With Seepage Holes And Clamp Collar, Add	97.00		
		For Trap Primer Connection, Add	38.00		
		For Full Grate With 2" (50 mm) Square Center Opening, Add	36.00		
		For Vandal Proof Secured Grate, Add	33.50		
		For White Acid Resistant Bucket, Add	47.00		
		For Stainless Steel Liner For Bucket, Add	62.50		
22 13 19 13-0125	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection.....	1,274.27		124.61
		For Flange With Seepage Holes, Add	58.50		
		For Flange With Seepage Holes And Clamp Collar, Add	97.00		
		For Trap Primer Connection, Add	38.00		
		For Full Grate With 2" (50 mm) Square Center Opening, Add	36.00		
		For Vandal Proof Secured Grate, Add	33.50		
		For White Acid Resistant Bucket, Add	47.00		
		For Stainless Steel Liner For Bucket, Add	62.50		



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0126	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection.....	1,299.50	137.30
		For Flange With Seepage Holes, Add	58.50	
		For Flange With Seepage Holes And Clamp Collar, Add	97.00	
		For Trap Primer Connection, Add	38.00	
		For Full Grate With 2" (50 mm) Square Center Opening, Add	36.00	
		For Vandal Proof Secured Grate, Add	33.50	
		For White Acid Resistant Bucket, Add	47.00	
		For Stainless Steel Liner For Bucket, Add	62.50	
22 13 19 13-0127		Square Top Floor Receptors (22 13 19 13-0122)		
		Note: With acid resistant coating.		
22 13 19 13-0128	EA	8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top.....	1,468.25	100.34
		For Flange With Seepage Holes, Add	37.50	
		For Flange With Seepage Holes And Clamp Collar, Add	69.00	
		For Trap Primer Connection, Add	39.50	
		For Full Grate With 2" Square Center Opening, Add	36.00	
		For Vandal Proof Secured Grate, Add	15.50	
		For White Acid Resistant Bucket, Add	88.00	
		For Stainless Steel Liner For Bucket, Add	97.00	
22 13 19 13-0129	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top.....	1,492.43	112.47
		For Flange With Seepage Holes, Add	37.50	
		For Flange With Seepage Holes And Clamp Collar, Add	69.00	
		For Trap Primer Connection, Add	39.50	
		For Full Grate With 2" Square Center Opening, Add	36.00	
		For Vandal Proof Secured Grate, Add	15.50	
		For White Acid Resistant Bucket, Add	88.00	
		For Stainless Steel Liner For Bucket, Add	97.00	
22 13 19 13-0130	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top.....	1,516.29	124.42
		For Flange With Seepage Holes, Add	37.50	
		For Flange With Seepage Holes And Clamp Collar, Add	69.00	
		For Trap Primer Connection, Add	39.50	
		For Full Grate With 2" Square Center Opening, Add	36.00	
		For Vandal Proof Secured Grate, Add	15.50	
		For White Acid Resistant Bucket, Add	88.00	
		For Stainless Steel Liner For Bucket, Add	97.00	
22 13 19 13-0131	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top.....	1,542.05	137.30
		For Flange With Seepage Holes, Add	37.50	
		For Flange With Seepage Holes And Clamp Collar, Add	69.00	
		For Trap Primer Connection, Add	39.50	
		For Full Grate With 2" Square Center Opening, Add	36.00	
		For Vandal Proof Secured Grate, Add	15.50	
		For White Acid Resistant Bucket, Add	88.00	
		For Stainless Steel Liner For Bucket, Add	97.00	
22 13 19 13-0132		Floor Drain Accessories (22 13 19 13)		
22 13 19 13-0133	EA	3" Trap Guard Floor Drain Insert (ProVent TG3H).....	77.12	11.67
		Note: Prevents emission of sewer gases.		
22 13 19 13-0134	EA	2" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22).....	63.67	11.67
		Note: Prevents emission of sewer gases.		
22 13 19 13-0135	EA	3" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33).....	69.05	11.67
		Note: Prevents emission of sewer gases.		
22 13 19 13-0136	EA	3" Trap Guard Drain Insert For 4" Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP).....	82.49	11.67
		Note: Prevents emission of sewer gases.		
22 13 19 13-0137	EA	3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP).....	74.43	11.67
		Note: Prevents emission of sewer gases.		
22 13 19 13-0138	EA	2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02).....	104.21	11.67
		Note: Prevents emission of sewer gases.		
22 13 19 13-0139	EA	3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03).....	115.04	11.67
		Note: Prevents emission of sewer gases.		
22 13 19 13-0140	EA	4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04).....	141.91	11.67
		Note: Prevents emission of sewer gases.		
22 13 19 26		Grease Removal Devices (22 13 19)		
22 13 19 26-0001		Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26)		
		Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.		
22 13 19 26-0002		Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0001)		
		Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.		
22 13 19 26-0003	EA	7 GPM, 14 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	879.27	70.01
		Note: Josam 60102H.		
		For Steel Enclosure Cabinet With Non Skid Cover, Add	1,298.41	
22 13 19 26-0004	EA	10 GPM, 20 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	1,023.84	157.51
		Note: Josam 60103H.		
		For Flange And Clamp Device, Add	365.17	
		For Steel Enclosure Cabinet With Non Skid Cover, Add	1,370.96	
22 13 19 26-0005	EA	15 GPM, 30 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	1,438.29	175.01
		Note: Josam 60104H.		
		For Flange And Clamp Device, Add	376.84	
		For Steel Enclosure Cabinet With Non Skid Cover, Add	1,496.93	



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0006	EA		20 GPM, 40 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60105H. For Flange And Clamp Device, Add For Steel Enclosure Cabinet With Non Skid Cover, Add	1,731.52 388.51 1,617.48	192.51
22 13 19 26-0007	EA		25 GPM, 50 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60106H. For Flange And Clamp Device, Add For Steel Enclosure Cabinet With Non Skid Cover, Add	1,936.93 430.57 1,683.30	210.02
22 13 19 26-0008	EA		35 GPM, 70 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60107H. For Flange And Clamp Device, Add For Steel Enclosure Cabinet With Non Skid Cover, Add	2,374.72 465.11 1,850.78	245.02
22 13 19 26-0009	EA		50 GPM, 100 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60108H. For Flange And Clamp Device, Add For Steel Enclosure Cabinet With Non Skid Cover, Add	3,085.64 529.40 1,971.21	280.02
22 13 19 26-0010	EA		75 GPM, 150 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60109H. For Flange And Clamp Device, Add	5,994.16 754.01	315.02
22 13 19 26-0011	EA		100 GPM, 200 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60110H. For Flange And Clamp Device, Add	6,799.66 872.38	396.56
22 13 19 26-0012	EA		150 GPM, 300 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60213A. For Flange And Clamp Device, Add	8,435.67 1,191.01	634.51
22 13 19 26-0013	EA		200 GPM, 400 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60214A. For Flange And Clamp Device, Add	12,067.84 1,426.04	793.13
22 13 19 26-0014	EA		250 GPM, 500 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60215A. For Flange And Clamp Device, Add	14,085.82 1,844.74	951.75
22 13 19 26-0015	EA		350 GPM, 700 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60216A. For Flange And Clamp Device, Add	18,262.39 2,188.25	1,110.38
22 13 19 26-0016	EA		500 GPM, 1,000 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60217A. For Flange And Clamp Device, Add	23,573.78 2,567.29	1,269.00
22 13 19 26-0017			Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0001) Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.		
22 13 19 26-0018	EA		20 GPM, 40 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60115A.	2,467.30	192.51
22 13 19 26-0019	EA		35 GPM, 70 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60117A.	3,173.22	245.02
22 13 19 26-0020	EA		50 GPM, 100 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Smith 8150.	5,196.38	280.02
22 13 19 26-0021			Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26) Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.		
22 13 19 26-0022			Standard Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0021) Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.		
22 13 19 26-0023	EA		7 GPM, 14 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60102-SA. For Steel Enclosure Cabinet With Non Skid Cover, Add	2,159.46 1,298.41	70.01
22 13 19 26-0024	EA		10 GPM, 20 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60103-SA. For Steel Enclosure Cabinet With Non Skid Cover, Add	2,537.23 1,370.96	157.51
22 13 19 26-0025	EA		15 GPM, 30 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60104-SA. For Steel Enclosure Cabinet With Non Skid Cover, Add	2,712.92 1,496.93	175.01
22 13 19 26-0026	EA		20 GPM, 40 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60105-SA. For Steel Enclosure Cabinet With Non Skid Cover, Add	3,304.35 1,617.48	192.51
22 13 19 26-0027	EA		25 GPM, 50 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60106-SA. For Steel Enclosure Cabinet With Non Skid Cover, Add	3,976.61 1,683.30	210.02
22 13 19 26-0028	EA		35 GPM, 70 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60107-SA. For Steel Enclosure Cabinet With Non Skid Cover, Add	4,120.36 1,850.78	245.02
22 13 19 26-0029	EA		50 GPM, 100 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60108-SA. For Steel Enclosure Cabinet With Non Skid Cover, Add	4,703.53 1,971.21	280.02
22 13 19 26-0030			Low Profile Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0021) Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.		
22 13 19 26-0031	EA		35 GPM, 70 LB Capacity Low Profile Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60115A-SA.	5,510.18	245.02



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0032		Automatic Cleaning Stainless Steel Grease Interceptor (22 13 19 26)		
22 13 19 26-0033	EA	20 GPM, 69 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 20 Greasestopper).	4,738.52	192.51
22 13 19 26-0034	EA	25 GPM, 91 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 25 Greasestopper).	5,499.00	210.02
22 13 19 26-0035	EA	35 GPM, 70 LB Capacity, 110 Volt, Automatic Cleaning Stainless Steel Grease Trap/Removal Device (Guardian GGX35).....	4,742.66	245.02
22 13 19 26-0036		Precast Concrete Grease Interceptor (22 13 19 26)		
		Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.		
22 13 19 26-0037	EA	1,000 Gallon Pre-Cast Grease Interceptor.....	4,615.50	361.79
22 13 19 26-0038	EA	1,250 Gallon Pre-Cast Grease Interceptor.....	5,277.10	361.79
22 13 19 26-0039	EA	1,500 Gallon Pre-Cast Grease Interceptor.....	5,989.60	413.61
22 13 19 26-0040	EA	2,000 Gallon Pre-Cast Grease Interceptor.....	6,823.95	584.12
22 13 19 26-0041	EA	2,500 Gallon Pre-Cast Grease Interceptor.....	7,692.29	785.89
22 13 19 26-0042	EA	4,000 Gallon Pre-Cast Grease Interceptor.....	11,527.47	1,033.97
22 13 19 26-0043	EA	5,000 Gallon Pre-Cast Grease Interceptor.....	14,825.18	1,695.56
22 13 19 26-0044		Coated Steel Manual Oil Interceptor (22 13 19 26)		
		Note: Includes internal air relief, and flow control fitting.		
22 13 19 26-0045	EA	10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	3,006.75	266.54
22 13 19 26-0046	EA	15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	4,027.79	316.71
22 13 19 26-0047	EA	20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	4,880.08	389.68
22 13 19 26-0048	EA	25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	5,300.07	422.11
22 13 19 26-0049	EA	35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	6,336.17	460.62
22 13 19 26-0050	EA	50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	8,299.33	506.74
22 13 19 26-0051	EA	75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	13,785.28	583.37
22 13 19 26-0052	EA	100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	15,114.05	717.78
22 13 19 26-0053	EA	150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	18,501.93	777.99
22 13 19 26-0054	EA	200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	25,809.24	933.39
22 13 19 26-0055	EA	250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	29,734.77	1,003.39
22 13 19 26-0056	EA	350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	37,420.54	1,196.61
22 13 19 26-0057	EA	400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	44,936.41	980.53
22 13 19 26-0058	EA	500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	53,235.05	1,166.74
22 13 19 33		Backwater Valves (22 13 19)		
22 13 19 33-0001		Cast Iron Body Terminal Backwater Valves (22 13 19 33)		
22 13 19 33-0002	EA	2" Cast Iron Body Terminal Backwater Valve.....	315.81	26.78
22 13 19 33-0003	EA	3" Cast Iron Body Terminal Backwater Valve.....	326.07	33.69
22 13 19 33-0004	EA	4" Cast Iron Body Terminal Backwater Valve.....	469.01	44.80
22 13 19 33-0005	EA	6" Cast Iron Body Terminal Backwater Valve.....	1,243.02	63.06
22 13 19 33-0006	EA	8" Cast Iron Body Terminal Backwater Valve.....	1,522.14	83.00
22 13 19 33-0007	EA	10" Cast Iron Body Terminal Backwater Valve.....	4,354.48	102.39
22 13 19 33-0008	EA	12" Cast Iron Body Terminal Backwater Valve.....	4,938.90	132.80
22 13 19 33-0009		Cast Iron Backwater Sewer Line Valve (22 13 19 33)		
		Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.		
22 13 19 33-0010	EA	2" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	787.99	63.85
22 13 19 33-0011	EA	3" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	1,191.66	77.47
22 13 19 33-0012	EA	4" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	1,476.11	99.88
22 13 19 33-0013	EA	6" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	2,061.79	114.58
22 13 19 33-0014	EA	8" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	2,846.39	135.77
22 13 19 33-0015		Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve (22 13 19 33)		
		Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.		
22 13 19 33-0016	EA	3" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	2,093.90	101.09
22 13 19 33-0017	EA	4" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	2,143.92	134.40
22 13 19 33-0018	EA	5" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	3,114.77	169.70
22 13 19 33-0019	EA	6" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	3,144.27	189.18
22 13 19 33-0020		Polyvinyl Chloride (PVC) Backwater Sewer Line Valve (22 13 19 33)		
		Note: Oatey.		
22 13 19 33-0021	EA	3" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43900).....	103.05	33.69
22 13 19 33-0022	EA	4" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43904).....	125.14	44.80
22 13 19 33-0023	EA	6" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43908).....	341.73	63.06
22 13 19 33-0024		Polyvinyl Chloride (PVC) Extendable Backwater Valves (22 13 19 33)		
22 13 19 33-0025	EA	3" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check)..... Note: Includes valve body, flapper assembly and collar.	238.58	67.39



	Plumbing	22	
	Plumbing Piping	22 10	22
	Facility Sanitary Sewerage	22 13	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 33-0026	EA	4" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) Note: Includes valve body, flapper assembly and collar.	317.67	89.61
22 13 19 33-0027	EA	6" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) Note: Includes valve body, flapper assembly and collar.	540.09	126.12
22 13 19 36 Air-Admittance Valves (22 13 19)				
22 13 19 36-0001		Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent (22 13 19 36)		
22 13 19 36-0002	EA	1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent.....	134.85	13.07
22 13 19 36-0003	EA	2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent.....	159.99	13.07
22 13 23 Sanitary Waste Interceptors (22 13)				
22 13 23 00-0001		Sediment Bucket Solids Interceptors (22 13 23)		
22 13 23 00-0002	EA	1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180)..... Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	854.58	132.17
22 13 23 00-0003	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184)..... Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	855.60	132.17
22 13 23 00-0004	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARIO) Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,188.78	132.17
22 13 23 00-0005	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-ARIO) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,188.78	132.17
22 13 23 00-0006	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030)..... Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,264.21	132.17
22 13 23 00-0007		Solid Interceptors, Cast Iron With Internal Deep Seal Trap (22 13 23)		
22 13 23 00-0008	EA	1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel For Stainless Steel Bucket, Add	312.93 175.00	45.20
22 13 23 00-0009	EA	2" Inlet Cast Iron Solid Interceptor, Painted Enamel For Stainless Steel Bucket, Add	318.71 175.00	48.14
22 13 23 00-0010		Sediment Strainers (22 13 23)		
22 13 23 00-0011	EA	2" Strainer, Pump Suction Side.....	141.58	61.55
22 13 29 Sanitary Sewerage Pumps (22 13)				
Note: Includes extra set of gaskets, bearings and seals.				
22 13 29 13 Wet-Pit-Mounted, Vertical Sewerage Pumps (22 13 29)				
22 13 29 13-0001		Vertical Column, Flanged Discharge, Non-Clog Sump Or Drainage Pumps (Crane-DeMing Series 4500) (22 13 29 13) Note: Mounted on steel support plate. Excludes float and float switch, and sump cover See CSI section 22 13 29 13-0030 for float and float switch, 22 13 29 13-0034 for sump cover.		
22 13 29 13-0002		1-1/2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)		
22 13 29 13-0003	EA	1/2 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	5,678.00	1,119.69
22 13 29 13-0004	EA	3/4 HP, Up To 125 GPM Sump Or Drainage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	5,889.35	1,119.69
22 13 29 13-0005	EA	1 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	6,100.71	1,119.69
22 13 29 13-0006	EA	1-1/2 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	6,302.30	1,119.69
22 13 29 13-0007		2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)		
22 13 29 13-0008	EA	3/4 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	6,263.29	1,119.69
22 13 29 13-0009	EA	1 HP, Up To 100 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	6,344.57	1,119.69
22 13 29 13-0010	EA	2 HP, Up To 200 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	6,401.48	1,119.69
22 13 29 13-0011	EA	3 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	6,791.67	1,119.69
22 13 29 13-0012	EA	5 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	7,173.73	1,119.69
22 13 29 13-0013	EA	7-1/2 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	7,759.02	1,119.69
22 13 29 13-0014	EA	10 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	8,344.31	1,119.69
22 13 29 13-0015	EA	15 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	9,670.35	1,490.07
22 13 29 13-0016		3" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)		
22 13 29 13-0017	EA	2 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	6,670.60	1,119.69
22 13 29 13-0018	EA	3 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	6,670.60	1,119.69
22 13 29 13-0019	EA	5 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	6,811.44	1,119.69



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 13-0020	EA	7-1/2 HP, Up To 700 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	7,904.23	1,119.69
22 13 29 13-0021	EA	10 HP, Up To 800 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	8,095.93	1,119.69
22 13 29 13-0022	EA	15 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	9,737.78	1,490.07
22 13 29 13-0023	EA	20 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	10,225.52	1,490.07
22 13 29 13-0024		Extra Column Assemblies Addition, 5' Or Less (22 13 29 13-0001)		
22 13 29 13-0025	EA	2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	544.22	
22 13 29 13-0026	EA	3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	653.44	
22 13 29 13-0027	EA	4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	730.37	
22 13 29 13-0028	EA	5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	743.67	
22 13 29 13-0029	EA	6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	834.84	
22 13 29 13-0030		Float Switches (22 13 29 13-0001)		
		Note: Copper coated floats, brass rods and stops and switch brackets.		
22 13 29 13-0031	EA	Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps	489.13	
22 13 29 13-0032	EA	Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps	513.82	
22 13 29 13-0033	EA	Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps	525.22	
22 13 29 13-0034		Square Or Round Steel Sump Covers (22 13 29 13-0001)		
22 13 29 13-0035	EA	24" Steel Sump Covers, Square Or Round	551.53	37.33
22 13 29 13-0036	EA	30" Steel Sump Covers, Square Or Round	610.73	42.00
22 13 29 13-0037	EA	36" Steel Sump Covers, Square Or Round	846.50	56.01
22 13 29 13-0038	EA	40" Steel Sump Covers, Square Or Round	1,221.81	65.34
22 13 29 13-0039	EA	42" Steel Sump Covers, Square Or Round	1,308.82	67.67
22 13 29 13-0040	EA	48" Steel Sump Covers, Square Or Round	1,398.64	70.01
22 13 29 13-0041	EA	54" Steel Sump Covers, Square Or Round	1,779.52	84.00
22 13 29 13-0042	EA	60" Steel Sump Covers, Square Or Round	2,401.92	93.34
22 13 29 13-0043	EA	72" Steel Sump Covers, Square Or Round	3,045.79	116.68
22 13 29 13-0044	EA	84" Steel Sump Covers, Square Or Round	3,863.46	128.34
22 13 29 16		Submersible Sewerage Pumps (22 13 29)		
22 13 29 16-0001		Submersible Sewage Pumps With Vortex Impeller (22 13 29 16)		
22 13 29 16-0002		Submersible Single Seal Sewage Pumps With Cast Iron Vortex Impeller (22 13 29 16-0001)		
		Note: Includes 25' cord.		
22 13 29 16-0003	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,043.54	67.90
22 13 29 16-0004	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,109.85	67.90
22 13 29 16-0005	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,089.45	67.90
22 13 29 16-0006	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,187.22	67.90
22 13 29 16-0007	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,187.22	67.90
22 13 29 16-0008	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,263.41	84.87
22 13 29 16-0009	EA	1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,350.13	84.87
22 13 29 16-0010	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,361.18	84.87
22 13 29 16-0011		Submersible Single Seal Sewage Pumps With Bronze Vortex Impeller (22 13 29 16-0001)		
		Note: Includes 20' cord.		
22 13 29 16-0012	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,062.24	67.90
22 13 29 16-0013	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,157.46	67.90
22 13 29 16-0014	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,112.40	67.90
22 13 29 16-0015	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,204.23	67.90
22 13 29 16-0016	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,286.69	67.90
22 13 29 16-0017	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,210.70	84.87
22 13 29 16-0018	EA	1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,309.32	84.87
22 13 29 16-0019	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,308.47	84.87
22 13 29 16-0020	EA	1-1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,521.70	136.82
22 13 29 16-0021	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,605.02	136.82
22 13 29 16-0022	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,619.48	136.82



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0023	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,642.61	167.23
22 13 29 16-0024	EA	2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,737.83	167.23
22 13 29 16-0025	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,740.38	167.23
22 13 29 16-0026		Submersible Double Seal Sewage Pumps With Bronze Vortex Impeller (22 13 29 16-0001) Note: Includes 20' cord.		
22 13 29 16-0027	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,252.69	67.90
22 13 29 16-0028	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,414.23	67.90
22 13 29 16-0029	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller	1,391.79	84.87
22 13 29 16-0030	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller	1,489.56	84.87
22 13 29 16-0031	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,716.40	136.82
22 13 29 16-0032	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,814.17	136.82
22 13 29 16-0033	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,838.15	167.23
22 13 29 16-0034	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,935.93	167.23
22 13 29 16-0035		Submersible Sewage Pumps With Semi-Open Impeller (22 13 29 16) Note: Includes 25' of cord with pump.		
22 13 29 16-0036	EA	1 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	3,067.89	84.87
22 13 29 16-0037	EA	1.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	3,314.32	142.90
22 13 29 16-0038	EA	2 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	3,565.07	174.65
22 13 29 16-0039	EA	3 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	3,745.73	211.70
22 13 29 16-0040	EA	5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	4,209.12	248.75
22 13 29 16-0041	EA	7.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	4,705.57	285.80
22 13 29 16-0042		Submersible Sewage Pumps, Explosion Proof (22 13 29 16) Note: Includes 25' of cord with pump.		
22 13 29 16-0043	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	5,359.74	304.19
22 13 29 16-0044	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	4,949.84	304.19
22 13 29 16-0045	EA	1 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	4,949.84	304.19
22 13 29 16-0046	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	5,641.09	405.57
22 13 29 16-0047	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	5,231.20	405.57
22 13 29 16-0048	EA	1.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	5,231.20	405.57
22 13 29 16-0049	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	6,006.99	506.97
22 13 29 16-0050	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	5,597.09	506.97
22 13 29 16-0051	EA	2 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	5,597.09	506.97
22 13 29 16-0052	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	6,293.45	608.36
22 13 29 16-0053	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	5,883.56	608.36
22 13 29 16-0054	EA	3 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	5,883.56	608.36
22 13 29 16-0055	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	6,961.65	709.76
22 13 29 16-0056	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	6,551.75	709.76
22 13 29 16-0057	EA	5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	6,551.75	709.76
22 13 29 16-0058	EA	7.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,229.34	811.15
22 13 29 16-0059	EA	7.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,229.34	811.15
22 13 29 16-0060		Submersible Sewage Pump Accessories (22 13 29 16)		

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0061	EA	Simplex Plug In Pump Control Panel with Alarm Float Only, 115 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump.....	527.97	79.99
		Note: Includes alarm horn, warning light and alarm float switch.		
22 13 29 16-0062	EA	Simplex Plug In Pump Control Panel with Alarm Float Only, 230 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump.....	544.21	79.99
		Note: Includes alarm horn, warning light, and alarm float switch.		
22 13 29 16-0063	EA	Simplex Control Panel With 3 Floats, 115/208/230 Volt, 1 Phase, 0-20 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump.....	1,051.63	106.66
		Note: Includes alarm horn, warning light, HOA switch and three 20' control float switches.		
22 13 29 16-0064	EA	Simplex Control Panel 208/230/460 Volt, 3 Phase, 1-23 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump.....	1,467.53	106.66
		Note: Includes alarm horn and warning light. Control float switches not included.		
22 13 29 16-0065	EA	Simplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors.....	3,347.04	106.66
		Note: Includes alarm horn and warning light. Control float switches not included.		
22 13 29 16-0066	EA	Simplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors.....	3,500.18	106.66
		Note: Includes alarm horn and warning light. Control float switches not included.		
22 13 29 16-0067	EA	Duplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors.....	5,582.09	133.32
		Note: Includes alarm horn and warning light. Control float switches not included.		
22 13 29 16-0068	EA	Duplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors.....	4,710.89	133.32
		Note: Includes alarm horn and warning light. Control float switches not included.		
22 13 29 16-0069	EA	Electrical Alternator Duplex Control Panel with 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps.....	1,172.37	133.32
		Note: Includes alarm horn, warning light, and three 20' float switches.		
22 13 29 16-0070	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps.....	1,286.10	133.32
		Note: Includes alarm horn, warning light, and three 20' float switches.		
22 13 29 16-0071	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-20 Amperes, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps.....	1,236.55	133.32
		Note: Includes alarm horn, warning light, and three 20' float switches.		
22 13 29 16-0072	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-30 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps.....	1,339.04	133.32
		Note: Includes alarm horn, warning light, and three 20' float switches.		
22 13 29 16-0073	EA	Electrical Alternator Duplex Control Panel, 200/230/460 Volt, 3 Phase, 1-25 Amperes Range, Indoor/Outdoor NEMA 4X Enclosure For Submersible Sewage Pumps.....	2,254.45	133.32
		Note: Includes alarm horn and warning light. Float switches not included.		
22 13 29 16-0074	EA	Alarm System, 115 Volt, Indoor/Outdoor 4X Enclosure.....	432.40	53.33
		Note: Includes alarm horn, warning light and 15' tethered float.		
22 13 29 16-0075	EA	Variable Level (Clamp Type) Float Switch With 15' Cord.....	89.07	26.67
		Note: Not for use with Intrinsically Safe Control Systems.		
22 13 29 16-0076	EA	Variable Level (Clamp Type) Float Switch With 15' Cord For Intrinsically Safe Control Systems Only.....	104.84	26.67
22 13 29 16-0077	EA	Variable Level (Adjustable Weight Type) Float Switch With 25' Cord.....	110.91	26.67
		Note: Not for use with Intrinsically Safe Control Systems.		
22 13 29 16-0078	EA	Variable Level (Adjustable Weight Type) Float Switch With 25' Cord For Intrinsically Safe Control Systems Only.....	116.52	26.67
22 13 29 16-0079	EA	Float Switch Tree With (3) 15' Floats.....	309.39	26.67
		Note: Not for use with Intrinsically Safe Control Systems.		
22 13 29 16-0080	EA	Float Switch Tree And (3) Floats With 15' Cords For Intrinsically Safe Control Systems Only.....	351.27	26.67
22 13 29 16-0081	EA	Float Switch Tree And (4) Floats With 15' Cords.....	343.19	26.67
		Note: Not for use with Intrinsically Safe Control Systems.		
22 13 29 16-0082	EA	Float Switch Tree And (4) Floats With 15' Cords For Intrinsically Safe Control Systems Only.....	398.79	26.67
22 13 29 16-0083	EA	Float Switch Tree.....	170.08	26.67
		Note: Tree only.		
22 13 29 16-0084	EA	Adjustable Weight For Float Switch.....	48.08	13.33
22 13 29 16-0085	EA	Rail And Disconnect System, Stainless Steel, For 2" Horizontal Discharge.....	873.02	79.99
		Note: Lifting equipment not included.		
22 13 29 16-0086	EA	Rail And Disconnect System, Stainless Steel, For 3" Horizontal Discharge.....	1,360.95	106.66
		Note: Lifting equipment not included.		
22 13 29 16-0087	EA	Rail And Disconnect System, Stainless Steel, For 4" Horizontal Discharge.....	1,775.12	133.32
		Note: Lifting equipment not included.		
22 13 29 16-0088	EA	Rail And Disconnect System, Stainless Steel Non-Speaking, For 3" Horizontal Discharge.....	1,922.12	79.99
22 13 29 16-0089	EA	Rail And Disconnect System, Stainless Steel Non-Speaking, For 4" Horizontal Discharge.....	2,704.73	79.99
22 13 29 16-0090	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 2" Rail System.....	263.84	53.33
22 13 29 16-0091	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 3" Rail Systems.....	453.61	66.67
22 13 29 16-0092	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 4" Rail Systems.....	460.00	79.99
22 13 29 16-0093	EA	12" Stainless Steel Lifting Cable.....	130.23	26.67
22 13 29 16-0094	EA	Disconnect Fitting For 2" Horizontal Discharge.....	246.86	26.67
		Note: Used for shallow systems where guide rails are not necessary.		

22 13 29 33 Sewerage Pump Basins and Pits (22 13 29)**22 13 29 33-0001 Sewage Sump Pump Basin (22 13 29 33)****22 13 29 33-0002 High Density Polyethylene (HDPE) Basin (22 13 29 33-0001)**

22 13 29 33-0003	EA	18" Diameter x 24" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	100.74	
22 13 29 33-0004	EA	18" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	127.46	
22 13 29 33-0005	EA	24" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	271.09	
22 13 29 33-0006	EA	24" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	375.01	
22 13 29 33-0007	EA	30" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	478.93	
22 13 29 33-0008	EA	36" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	555.28	



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

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MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
22 13 29 33-0009 Fiberglass Basin (22 13 29 33-0001)					
22 13 29 33-0010	EA 18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub		312.45		
22 13 29 33-0011	EA 24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub		634.95		
22 13 29 33-0012	EA 30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub		1,139.96		
22 13 29 33-0013	EA 36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub		1,534.36		
22 13 29 33-0014	EA 36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub		1,767.95		
22 13 29 33-0015	EA 36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub		1,867.20		
22 13 29 33-0016	EA 36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub		2,193.49		
22 13 29 33-0017	EA 48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub		2,547.16		
22 14 Facility Storm Drainage (22 10)					
22 14 13 Facility Storm Drainage Piping (22 14)					
See CSI section 22 13 16 00-0000 for storm drainage piping.					
22 14 26 Facility Storm Drains (22 14)					
22 14 26 13 Roof Drains (22 14 26)					
22 14 26 13-0001 Cast Iron Roof Drains (22 14 26 13)					
22 14 26 13-0002 Cast Iron Roof Drains With Large Polypropylene Dome (22 14 26 13-0001)					
Note: Dome free area is 124 square inches.					
22 14 26 13-0003	EA 15" Diameter Cast Iron Roof Drain With 2" Outlet, 124 Square Inch Free Area Polypropylene Dome		798.74	155.60	
	For Galvanized Iron Parts, Add		518.00		
	For Deck Clamp Assembly, Add		130.00		
	For Bronze Dome, Add		448.80		
	For Drain Receiver, Add		147.00		
	For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add		357.00		
22 14 26 13-0004	EA 15" Diameter Cast Iron Roof Drain With 3" Outlet, 124 Square Inch Free Area Polypropylene Dome		876.52	186.68	
	For Galvanized Iron Parts, Add		518.00		
	For Deck Clamp Assembly, Add		130.00		
	For Bronze Dome, Add		448.80		
	For Drain Receiver, Add		147.00		
	For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add		357.00		
22 14 26 13-0005	EA 15" Diameter Cast Iron Roof Drain With 4" Outlet, 124 Square Inch Free Area Polypropylene Dome		954.30	233.35	
	For Galvanized Iron Parts, Add		518.00		
	For Deck Clamp Assembly, Add		130.00		
	For Bronze Dome, Add		448.80		
	For Drain Receiver, Add		147.00		
	For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add		357.00		
22 14 26 13-0006	EA 15" Diameter Cast Iron Roof Drain With 5" Outlet, 124 Square Inch Free Area Polypropylene Dome		1,280.44	280.02	
	For Galvanized Iron Parts, Add		518.00		
	For Deck Clamp Assembly, Add		130.00		
	For Bronze Dome, Add		448.80		
	For Drain Receiver, Add		147.00		
	For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add		357.00		
22 14 26 13-0007	EA 15" Diameter Cast Iron Roof Drain With 6" Outlet, 124 Square Inch Free Area Polypropylene Dome		1,319.33	311.10	
	For Galvanized Iron Parts, Add		518.00		
	For Deck Clamp Assembly, Add		130.00		
	For Bronze Dome, Add		448.80		
	For Drain Receiver, Add		147.00		
	For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add		357.00		
22 14 26 13-0008	EA 15" Diameter Cast Iron Roof Drain With 8" Outlet, 124 Square Inch Free Area Polypropylene Dome		1,558.30	326.69	
	For Galvanized Iron Parts, Add		518.00		
	For Deck Clamp Assembly, Add		130.00		
	For Bronze Dome, Add		448.80		
	For Drain Receiver, Add		147.00		
	For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add		357.00		
22 14 26 13-0009	EA 15" Diameter Cast Iron Roof Drain With 10" Outlet, 124 Square Inch Free Area Polypropylene Dome		2,104.41	338.35	
	For Galvanized Iron Parts, Add		518.00		
	For Deck Clamp Assembly, Add		130.00		
	For Bronze Dome, Add		448.80		
	For Drain Receiver, Add		147.00		
	For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add		357.00		
22 14 26 13-0010 Cast Iron Roof Drains With Expansion Joint (22 14 26 13-0001)					
Note: With polypropylene dome. Dome free area is 124 square inches.					
22 14 26 13-0011	EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 2" Outlet, Polypropylene Dome		1,254.82	155.60	
	For Galvanized Iron Parts, Add		518.00		
	For Deck Clamp Assembly, Add		130.00		
	For Drain Receiver, Add		147.00		
	For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add		357.00		
22 14 26 13-0012	EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 3" Outlet, Polypropylene Dome		1,364.46	186.68	
	For Galvanized Iron Parts, Add		518.00		
	For Deck Clamp Assembly, Add		130.00		
	For Drain Receiver, Add		147.00		
	For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add		357.00		
22 14 26 13-0013	EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 4" Outlet, Polypropylene Dome		1,504.28	233.35	
	For Galvanized Iron Parts, Add		518.00		
	For Deck Clamp Assembly, Add		130.00		
	For Drain Receiver, Add		147.00		
	For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add		357.00		

22 Plumbing
22 10 Plumbing Piping
22 14 Facility Storm Drainage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0014 EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 5" Outlet, Polypropylene Dome For Galvanized Iron Parts, Add For Deck Clamp Assembly, Add For Drain Receiver, Add For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	2,080.25 518.00 130.00 147.00 357.00	280.02
22 14 26 13-0015 EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 6" Outlet, Polypropylene Dome For Galvanized Iron Parts, Add For Deck Clamp Assembly, Add For Drain Receiver, Add For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	2,234.84 518.00 130.00 147.00 357.00	311.10
22 14 26 13-0016 Cast Iron Roof Drains With Flat Bronze Promenade Top (22 14 26 13-0001)		
22 14 26 13-0017 EA 14" x 14" Cast Iron Roof Drain With 2" Outlet, Bronze Promenade Top For Galvanized Iron Parts, Add For Deck Clamp Assembly, Add For Drain Receiver, Add For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	1,703.60 480.00 130.00 147.00 357.00	155.60
22 14 26 13-0018 EA 14" x 14" Cast Iron Roof Drain With 3" Outlet, Bronze Promenade Top For Galvanized Iron Parts, Add For Deck Clamp Assembly, Add For Drain Receiver, Add For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	1,781.38 480.00 130.00 147.00 357.00	186.68
22 14 26 13-0019 EA 14" x 14" Cast Iron Roof Drain With 4" Outlet, Bronze Promenade Top For Galvanized Iron Parts, Add For Deck Clamp Assembly, Add For Drain Receiver, Add For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	1,859.16 480.00 130.00 147.00 357.00	233.35
22 14 26 13-0020 EA 14" x 14" Cast Iron Roof Drain With 5" Outlet, Bronze Promenade Top For Galvanized Iron Parts, Add For Deck Clamp Assembly, Add For Drain Receiver, Add For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	2,171.89 480.00 130.00 147.00 357.00	280.02
22 14 26 13-0021 EA 14" x 14" Cast Iron Roof Drain With 6" Outlet, Bronze Promenade Top For Galvanized Iron Parts, Add For Deck Clamp Assembly, Add For Drain Receiver, Add For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	2,210.78 480.00 130.00 147.00 357.00	311.10
22 14 26 13-0022 Cast Iron Scupper Drain With L-Shaped Bronze Grate (22 14 26 13-0001)		
22 14 26 13-0023 EA Cast Iron Scupper Drain With 2" Outlet, L-Shaped Bronze Grate For Vandal Proof Grate, Add For Galvanized Cast Iron Parts, Add	1,099.68 33.00 128.00	62.26
22 14 26 13-0024 EA Cast Iron Scupper Drain With 3" Outlet, L-Shaped Bronze Grate For Vandal Proof Grate, Add For Galvanized Cast Iron Parts, Add	1,130.79 33.00 128.00	77.75
22 14 26 13-0025 EA Cast Iron Scupper Drain With 4" Outlet, L-Shaped Bronze Grate For Vandal Proof Grate, Add For Galvanized Cast Iron Parts, Add For Galvanized Iron Parts, Add	1,144.94 33.00 128.00 258.00	84.85
22 14 26 13-0026 EA Cast Iron Scupper Drain With 5" Outlet, L-Shaped Bronze Grate For Vandal Proof Grate, Add For Galvanized Iron Parts, Add	1,610.67 33.00 258.00	112.47
22 14 26 13-0027 EA Cast Iron Scupper Drain With 6" Outlet, L-Shaped Bronze Grate For Vandal Proof Grate, Add For Galvanized Iron Parts, Add	1,660.29 33.00 258.00	137.30
22 14 26 13-0028 Cast Iron Roof Drain With Flat Cast Iron Grate (22 14 26 13-0001) Note: Grate free area is 27 square inches.		
22 14 26 13-0029 EA 9" x 9" Cast Iron Roof Drain With 2" Outlet, Cast Iron Promenade Top For Galvanized Iron Parts, Add For Deck Clamp Assembly, Add For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	875.82 144.00 80.40 93.60	155.60
22 14 26 13-0030 EA 9" x 9" Cast Iron Roof Drain With 3" Outlet, Cast Iron Promenade Top For Galvanized Iron Parts, Add For Deck Clamp Assembly, Add For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	953.60 144.00 80.40 93.60	186.68
22 14 26 13-0031 EA 9" x 9" Cast Iron Roof Drain With 4" Outlet, Cast Iron Promenade Top For Galvanized Iron Parts, Add For Deck Clamp Assembly, Add For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	1,031.38 144.00 80.40 93.60	233.35
22 14 26 13-0032 Cast Iron Roof Drains With Large Cast Iron Dome (22 14 26 13-0001)		
22 14 26 13-0033 EA 15" Diameter Cast Iron Roof Drain With 2" Outlet, Cast Iron Dome For Galvanized Iron Parts, Add For Deck Clamp Assembly, Add For Drain Receiver, Add For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	942.85 518.00 130.00 147.00 357.00	155.60



Plumbing			22
Plumbing Piping			22 10
Facility Storm Drainage			22 14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0034	EA	15" Diameter Cast Iron Roof Drain With 3" Outlet, Cast Iron Dome..... For Galvanized Iron Parts, Add For Deck Clamp Assembly, Add For Drain Receiver, Add For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	1,020.63 518.00 130.00 147.00 357.00	186.68
22 14 26 13-0035	EA	15" Diameter Cast Iron Roof Drain With 4" Outlet, Cast Iron Dome..... For Galvanized Iron Parts, Add For Deck Clamp Assembly, Add For Drain Receiver, Add For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	1,098.41 518.00 130.00 147.00 357.00	233.35
22 14 26 13-0036	EA	15" Diameter Cast Iron Roof Drain With 5" Outlet, Cast Iron Dome..... For Galvanized Iron Parts, Add For Deck Clamp Assembly, Add For Drain Receiver, Add For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	1,424.55 518.00 130.00 147.00 357.00	280.02
22 14 26 13-0037	EA	15" Diameter Cast Iron Roof Drain With 6" Outlet, Cast Iron Dome..... For Galvanized Iron Parts, Add For Deck Clamp Assembly, Add For Drain Receiver, Add For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	1,463.44 518.00 130.00 147.00 357.00	311.10
22 14 26 13-0038	EA	15" Diameter Cast Iron Roof Drain With 8" Outlet, Cast Iron Dome..... For Galvanized Iron Parts, Add For Deck Clamp Assembly, Add For Drain Receiver, Add For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	1,702.41 518.00 130.00 147.00 357.00	326.69
22 14 26 13-0039	EA	15" Diameter Cast Iron Roof Drain With 10" Outlet, Cast Iron Dome..... For Galvanized Iron Parts, Add For Deck Clamp Assembly, Add For Drain Receiver, Add For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	2,248.52 518.00 130.00 147.00 357.00	338.35
22 14 26 13-0040		Aluminum Roof Drains (22 14 26 13)		
22 14 26 13-0041		Aluminum Dome Roof Drains (22 14 26 13-0040)		
22 14 26 13-0042	EA	15" Diameter Roof Drain With 2" Outlet, Aluminum Dome..... For Galvanized Iron Parts, Add For Deck Clamp Assembly, Add For Drain Receiver, Add For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	967.98 518.00 130.00 147.00 357.00	155.60
22 14 26 13-0043	EA	15" Diameter Roof Drain With 3" Outlet, Aluminum Dome..... For Galvanized Iron Parts, Add For Deck Clamp Assembly, Add For Drain Receiver, Add For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	1,045.76 518.00 130.00 147.00 357.00	186.68
22 14 26 13-0044	EA	15" Diameter Roof Drain With 4" Outlet, Aluminum Dome..... For Galvanized Iron Parts, Add For Deck Clamp Assembly, Add For Drain Receiver, Add For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	1,123.54 518.00 130.00 147.00 357.00	233.35
22 14 26 13-0045	EA	15" Diameter Roof Drain With 6" Outlet, Aluminum Dome..... For Galvanized Iron Parts, Add For Deck Clamp Assembly, Add For Drain Receiver, Add For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	1,488.57 518.00 130.00 147.00 357.00	310.82
22 14 26 13-0046	EA	15" Diameter Roof Drain With 8" Outlet, Aluminum Dome..... For Galvanized Iron Parts, Add For Deck Clamp Assembly, Add For Drain Receiver, Add For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	1,727.73 518.00 130.00 147.00 357.00	326.69
22 14 26 13-0047	EA	15" Diameter Roof Drain With 10" Outlet, Aluminum Dome..... For Galvanized Iron Parts, Add For Deck Clamp Assembly, Add For Drain Receiver, Add For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	2,273.65 518.00 130.00 147.00 357.00	338.35
22 14 26 13-0048		Retrofit Roof Drains (22 14 26 13)		
22 14 26 13-0049		Copolymer Retrofit Roof Drains With Copolymer Strainer Dome (22 14 26 13-0048)		
22 14 26 13-0050	EA	Copolymer Retrofit 3" Roof Drains, With Copolymer Dome.....	638.07	186.68
22 14 26 13-0051	EA	Copolymer Retrofit 4" Roof Drains, With Copolymer Dome.....	725.43	233.35
22 14 26 13-0052	EA	Copolymer Retrofit 5" Roof Drains, With Copolymer Dome.....	880.44	280.02
22 14 26 13-0053	EA	Copolymer Retrofit 6" Roof Drains, With Copolymer Dome.....	957.66	310.82
22 14 26 13-0054		Copolymer Retrofit Roof Drains With Cast Aluminum Strainer Dome (22 14 26 13-0048)		
22 14 26 13-0055	EA	Copolymer Retrofit Drain, 3", With Cast Aluminum Dome.....	724.31	186.68
22 14 26 13-0056	EA	Copolymer Retrofit Drain, 4", With Cast Aluminum Dome.....	807.84	233.35
22 14 26 13-0057	EA	Copolymer Retrofit Drain, 5", With Cast Aluminum Dome.....	968.61	280.02
22 14 26 13-0058	EA	Copolymer Retrofit Drain, 6", With Cast Aluminum Dome.....	1,019.00	310.82
22 14 26 13-0059		Aluminum Retrofit Roof Drains With Cast Aluminum Strainer Dome (22 14 26 13-0048)		

22 Plumbing
22 10 Plumbing Piping
22 14 Facility Storm Drainage



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0060	EA	Aluminum Retrofit 3" Roof Drains, With Cast Aluminum Dome..... <i>For Copolymer Strainer Dome, Deduct</i>	641.90 -24.00	186.68
22 14 26 13-0061	EA	Aluminum Retrofit 4" Roof Drains, With Cast Aluminum Dome..... <i>For Copolymer Strainer Dome, Deduct</i>	729.26 -24.00	233.35
22 14 26 13-0062	EA	Aluminum Retrofit 5" Roof Drains, With Cast Aluminum Dome..... <i>For Copolymer Strainer Dome, Deduct</i>	884.28 -24.00	280.02
22 14 26 13-0063	EA	Aluminum Retrofit 6" Roof Drains, With Cast Aluminum Dome..... <i>For Copolymer Strainer Dome, Deduct</i>	930.83 -24.00	310.82
22 14 26 13-0064 Bronze Downspout Nozzles (22 14 26 13)				
22 14 26 13-0065	EA	2" Outlet, Bronze Roof Drain Downspout Nozzle.....	374.16	93.34
22 14 26 13-0066	EA	3" Outlet, Bronze Roof Drain Downspout Nozzle.....	374.16	93.34
22 14 26 13-0067	EA	4" Outlet, Bronze Roof Drain Downspout Nozzle.....	374.16	93.34
22 14 26 13-0068	EA	5" Outlet, Bronze Roof Drain Downspout Nozzle.....	570.91	116.68
22 14 26 13-0069	EA	6" Outlet, Bronze Roof Drain Downspout Nozzle.....	570.91	116.68
22 14 26 13-0070	EA	8" Outlet, Bronze Roof Drain Downspout Nozzle.....	728.06	116.68
22 14 26 16 Facility Area Drains (22 14 26)				
22 14 26 16-0001 Area Drain (22 14 26 16)				
22 14 26 16-0002	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer..... <i>For Ductile Iron Grate, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	2,304.09 123.50 29.50 36.00 152.25	112.38
22 14 26 16-0003	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer..... <i>For Ductile Iron Grate, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	2,328.31 123.50 29.50 36.00 152.25	124.51
22 14 26 16-0004	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer..... <i>For Ductile Iron Grate, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	2,353.81 123.50 29.50 36.00 152.25	137.30
22 14 26 16-0005	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer..... <i>For Ductile Iron Grate, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	2,380.38 123.50 29.50 36.00 152.25	150.56
22 14 26 16-0006	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer..... <i>For Ductile Iron Grate, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,421.91 123.50 29.50 36.00 152.25	112.38
22 14 26 16-0007	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer..... <i>For Ductile Iron Grate, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,446.13 123.50 29.50 36.00 152.25	124.51
22 14 26 16-0008	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer..... <i>For Ductile Iron Grate, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,471.63 123.50 29.50 36.00 152.25	137.30
22 14 26 16-0009	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer..... <i>For Ductile Iron Grate, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,498.20 123.50 29.50 36.00 152.25	150.56
22 14 26 16-0010	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer..... <i>For Ductile Iron Grate, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	2,151.52 123.50 29.50 36.00 152.25	112.38
22 14 26 16-0011	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer..... <i>For Ductile Iron Grate, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	2,175.74 123.50 29.50 36.00 152.25	124.51



	Plumbing	22	
	Plumbing Piping	22 10	22
	Facility Storm Drainage	22 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0012	EA		12" x 12" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,201.24	137.30
			For Ductile Iron Grate, Add	123.50	
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	36.00	
			For Galvanized Cast Iron Parts, Add	152.25	
22 14 26 16-0013	EA		12" x 12" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,227.81	150.56
			For Ductile Iron Grate, Add	123.50	
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	36.00	
			For Galvanized Cast Iron Parts, Add	152.25	
22 14 26 16-0014	EA		16" x 16" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	4,635.70	112.38
			For Ductile Iron Grate, Add	123.50	
			For Primer Tap, Add	36.00	
			For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0015	EA		16" x 16" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	4,659.92	124.51
			For Ductile Iron Grate, Add	123.50	
			For Primer Tap, Add	36.00	
			For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0016	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	4,685.42	137.30
			For Ductile Iron Grate, Add	123.50	
			For Primer Tap, Add	36.00	
			For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0017	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	4,711.99	150.56
			For Ductile Iron Grate, Add	123.50	
			For Primer Tap, Add	36.00	
			For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0018	EA		16" x 16" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,268.88	112.38
			For Ductile Iron Grate, Add	123.50	
			For Primer Tap, Add	36.00	
			For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0019	EA		16" x 16" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,293.10	124.51
			For Ductile Iron Grate, Add	123.50	
			For Primer Tap, Add	36.00	
			For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0020	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,318.60	137.30
			For Ductile Iron Grate, Add	123.50	
			For Primer Tap, Add	36.00	
			For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0021	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,345.17	150.56
			For Ductile Iron Grate, Add	123.50	
			For Primer Tap, Add	36.00	
			For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0022	EA		16" x 16" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	4,395.11	112.38
			For Ductile Iron Grate, Add	123.50	
			For Primer Tap, Add	36.00	
			For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0023	EA		16" x 16" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	4,419.33	124.51
			For Ductile Iron Grate, Add	123.50	
			For Primer Tap, Add	36.00	
			For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0024	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	4,444.83	137.30
			For Ductile Iron Grate, Add	123.50	
			For Primer Tap, Add	36.00	
			For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0025	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	4,471.40	150.56
			For Ductile Iron Grate, Add	123.50	
			For Primer Tap, Add	36.00	
			For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0026	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,032.66	112.38
			For Galvanized Cast Iron Parts, Add	87.50	
			For Vandal Proof Grate, Add	30.50	
22 14 26 16-0027	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,056.88	124.51
			For Galvanized Cast Iron Parts, Add	87.50	
			For Vandal Proof Grate, Add	30.50	
22 14 26 16-0028	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,082.38	137.30
			For Galvanized Cast Iron Parts, Add	87.50	
			For Vandal Proof Grate, Add	30.50	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0029	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	629.71	112.38
		For Galvanized Cast Iron Parts, Add	87.50	
		For Vandal Proof Grate, Add	30.50	
22 14 26 16-0030	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	653.93	124.51
		For Galvanized Cast Iron Parts, Add	87.50	
		For Vandal Proof Grate, Add	30.50	
22 14 26 16-0031	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	679.43	137.30
		For Galvanized Cast Iron Parts, Add	87.50	
		For Vandal Proof Grate, Add	30.50	
22 14 26 16-0032	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	973.98	112.38
		For Galvanized Cast Iron Parts, Add	87.50	
		For Vandal Proof Grate, Add	30.50	
22 14 26 16-0033	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	998.20	124.51
		For Galvanized Cast Iron Parts, Add	87.50	
		For Vandal Proof Grate, Add	30.50	
22 14 26 16-0034	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,023.70	137.30
		For Galvanized Cast Iron Parts, Add	87.50	
		For Vandal Proof Grate, Add	30.50	
22 14 26 16-0035	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	3,092.38	112.38
		For Vandal Proof Screws, Add	30.50	
		For Ductile Iron Grate, Add	126.00	
		For Galvanized Cast Iron Parts, Add	307.50	
22 14 26 16-0036	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	3,116.60	124.51
		For Vandal Proof Screws, Add	30.50	
		For Ductile Iron Grate, Add	126.00	
		For Galvanized Cast Iron Parts, Add	307.50	
22 14 26 16-0037	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	3,142.10	137.30
		For Vandal Proof Screws, Add	30.50	
		For Ductile Iron Grate, Add	126.00	
		For Galvanized Cast Iron Parts, Add	307.50	
22 14 26 16-0038	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,014.60	112.38
		For Vandal Proof Screws, Add	30.50	
		For Ductile Iron Grate, Add	126.00	
		For Galvanized Cast Iron Parts, Add	307.50	
22 14 26 16-0039	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,038.82	124.51
		For Vandal Proof Screws, Add	30.50	
		For Ductile Iron Grate, Add	126.00	
		For Galvanized Cast Iron Parts, Add	307.50	
22 14 26 16-0040	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,064.32	137.30
		For Vandal Proof Screws, Add	30.50	
		For Ductile Iron Grate, Add	126.00	
		For Galvanized Cast Iron Parts, Add	307.50	
22 14 26 16-0041	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,904.60	112.38
		For Vandal Proof Screws, Add	30.50	
		For Ductile Iron Grate, Add	126.00	
		For Galvanized Cast Iron Parts, Add	307.50	
22 14 26 16-0042	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,928.82	124.51
		For Vandal Proof Screws, Add	30.50	
		For Ductile Iron Grate, Add	126.00	
		For Galvanized Cast Iron Parts, Add	307.50	
22 14 26 16-0043	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,954.32	137.30
		For Vandal Proof Screws, Add	30.50	
		For Ductile Iron Grate, Add	126.00	
		For Galvanized Cast Iron Parts, Add	307.50	

22 14 26 19 Facility Trench Drains (22 14 26)

22 14 26 19-0001		Trench Drain (22 14 26 19)		
		Note: Each section is 39.4" in length.		
22 14 26 19-0002	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	937.94	112.38
		For Vandal Proof Screws, Add	48.50	
		For Ductile Iron Grate, Add	66.00	
		For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0003	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	962.16	124.51
		For Vandal Proof Screws, Add	48.50	
		For Ductile Iron Grate, Add	66.00	
		For Galvanized Cast Iron Parts, Add	98.25	



Plumbing			22
Plumbing Piping			22 10
Facility Storm Drainage			22 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0004	EA		6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	987.66	137.30
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	66.00	
			For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0005	EA		6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	569.64	112.38
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	66.00	
			For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0006	EA		6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	593.86	124.51
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	66.00	
			For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0007	EA		6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	619.36	137.30
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	66.00	
			For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0008	EA		6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	887.75	112.38
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	66.00	
			For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0009	EA		6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	911.97	124.51
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	66.00	
			For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0010	EA		6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	937.47	137.30
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	66.00	
			For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0011	EA		6" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	825.07	56.01
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	66.00	
			For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0012	EA		6" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	456.77	56.01
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	66.00	
			For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0013	EA		6" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	774.88	56.01
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	66.00	
			For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0014	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,489.17	112.38
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Sediment Bucket, Add	116.00	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0015	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,513.39	124.51
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Sediment Bucket, Add	116.00	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0016	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,538.89	137.30
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Sediment Bucket, Add	116.00	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0017	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,033.45	112.38
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Sediment Bucket, Add	116.00	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	

22 Plumbing
22 10 Plumbing Piping
22 14 Facility Storm Drainage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0018	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,057.67	124.51
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Sediment Bucket, Add	116.00	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0019	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,083.17	137.30
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Sediment Bucket, Add	116.00	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0020	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,426.84	112.38
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Sediment Bucket, Add	116.00	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0021	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,451.06	124.51
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Sediment Bucket, Add	116.00	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0022	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,476.56	137.30
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Sediment Bucket, Add	116.00	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0023	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,246.34	112.38
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Sediment Bucket, Add	116.00	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0024	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,270.56	124.51
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Sediment Bucket, Add	116.00	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0025	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,296.06	137.30
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Sediment Bucket, Add	116.00	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0026	EA		12" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,376.28	56.01
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
22 14 26 19-0027	EA		12" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	920.56	56.01
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
22 14 26 19-0028	EA		12" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,313.95	56.01
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
22 14 26 19-0029	EA		12" Wide Trench Drain x 15" Extension Section, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,133.45	56.01
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	

22 14 29 Sump Pumps (22 14)



	Plumbing	22	
	Plumbing Piping	22 10	22
	Facility Storm Drainage	22 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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See CSI section 22 11 16 00-0000 for pipe extensions into well.

22 14 29 13 Wet-Pit-Mounted, Vertical Sump Pumps (22 14 29)

22 14 29 13-0001 Vertical Mounted Sump Pumps (22 14 29 13)

Note: Supplied with 1750 RPM premium efficient motor with drip cover, float switch assembly, steel support mounting plate and 5' column sections.

22 14 29 13-0002	EA	1 HP Vertical Mounted Cast Iron Sump Pump, 1-1/2" Discharge, Single Stage, 25 GPM 40' Head	5,706.10	270.85
		For Explosion Proof Motor, Add	250.06	
22 14 29 13-0003	EA	1-1/2 HP Vertical Mounted Cast Iron Sump Pump, 2" Discharge, Single Stage, 75 GPM 40' Head	6,017.94	327.82
		For Explosion Proof Motor, Add	277.99	
22 14 29 13-0004	EA	2 HP Vertical Mounted Cast Iron Sump Pump, 2-1/2" Discharge, Single Stage, 100 GPM 40' Head	6,869.30	389.47
		For Explosion Proof Motor, Add	359.13	
22 14 29 13-0005	EA	3 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 150 GPM 40' Head	7,305.21	479.13
		For Explosion Proof Motor, Add	407.01	
22 14 29 13-0006	EA	5 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 200 GPM 40' Head	7,709.01	519.29
		For Explosion Proof Motor, Add	594.55	
22 14 29 13-0007	EA	10 HP Vertical Mounted Cast Iron Sump Pump, 4" Discharge, Single Stage, 300 GPM 70' Head	9,138.96	622.96
		For Explosion Proof Motor, Add	674.36	
22 14 29 13-0008	EA	15 HP Vertical Mounted Cast Iron Sump Pump, 5" Discharge, Single Stage, 500 GPM 70' Head	10,731.62	648.05
		For Explosion Proof Motor, Add	1,105.31	
22 14 29 13-0009	EA	20 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 800 GPM 70' Head	12,989.27	804.57
		For Explosion Proof Motor, Add	1,467.10	
22 14 29 13-0010	EA	30 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 1,000 GPM 70' Head	14,001.34	938.33
		For Explosion Proof Motor, Add	1,902.04	
22 14 29 13-0011	EA	50 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 1,600 GPM 70' Head	18,845.04	1,126.40
		For Explosion Proof Motor, Add	2,477.98	
22 14 29 13-0012	EA	60 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 2,000 GPM 70' Head	26,222.04	1,251.11
		For Explosion Proof Motor, Add	3,927.79	

22 14 29 13-0013 Extra Column Assemblies (22 14 29 13)

22 14 29 13-0014	EA	1-1/2" Diameter x 5' Long Extra Column Assembly	911.91	
22 14 29 13-0015	EA	2" Diameter x 5' Long Extra Column Assembly	997.85	
22 14 29 13-0016	EA	2-1/2" Diameter x 5' Long Extra Column Assembly	1,091.88	
22 14 29 13-0017	EA	3" Diameter x 5' Long Extra Column Assembly	1,311.02	
22 14 29 13-0018	EA	4" Diameter x 5' Long Extra Column Assembly	1,465.37	
22 14 29 13-0019	EA	5" Diameter x 5' Long Extra Column Assembly	1,492.04	
22 14 29 13-0020	EA	6" Diameter x 5' Long Extra Column Assembly	1,674.98	
22 14 29 13-0021	EA	8" Diameter x 5' Long Extra Column Assembly	1,832.81	

22 14 29 13-0022 Support Plate (22 14 29 13)

22 14 29 13-0023	EA	24" Steel Support Plate, Round Or Square	551.53	37.33
22 14 29 13-0024	EA	30" Steel Support Plate, Round Or Square	610.73	42.00
22 14 29 13-0025	EA	36" Steel Support Plate, Round Or Square	846.50	56.01
22 14 29 13-0026	EA	40" Steel Support Plate, Round Or Square	1,221.81	65.34
22 14 29 13-0027	EA	42" Steel Support Plate, Round Or Square	1,308.82	67.67
22 14 29 13-0028	EA	48" Steel Support Plate, Round Or Square	1,398.54	70.01
22 14 29 13-0029	EA	54" Steel Support Plate, Round Or Square	1,779.52	84.00
22 14 29 13-0030	EA	60" Steel Support Plate, Round Or Square	2,401.92	93.34
22 14 29 13-0031	EA	72" Steel Support Plate, Round Or Square	3,204.23	116.68
22 14 29 13-0032	EA	84" Steel Support Plate, Round Or Square	3,863.46	128.34

22 14 29 16 Submersible Sump Pumps (22 14 29)

22 14 29 16-0001 Submersible Sump Pump With Vortex Impeller (22 14 29 16)

22 14 29 16-0002 Submersible Sump Pump With Cast Iron Vortex Impeller (22 14 29 16-0001)

22 14 29 16-0003	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	388.12	60.81
22 14 29 16-0004	EA	1/3 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	426.80	60.81
22 14 29 16-0005	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	655.37	64.35
22 14 29 16-0006	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	716.57	64.35

22 14 29 16-0007 Submersible Sump Pump With Bronze Vortex Impeller (22 14 29 16-0001)

Note: Includes 20' of cord with pump.

22 14 29 16-0008	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,082.06	64.35
22 14 29 16-0009	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,174.28	64.35
22 14 29 16-0010	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,235.35	70.94
22 14 29 16-0011	EA	1 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,333.95	70.94
22 14 29 16-0012	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,377.10	81.07
22 14 29 16-0013	EA	1-1/2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,473.99	81.07



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 16-0014	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,483.08	96.28
22 14 29 16-0015	EA	2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,567.23	96.28
22 14 29 16-0016		Submersible Sump Pump With Semi-Open Impeller (22 14 29 16)		
		Note: Includes 20' of cord with pump.		
22 14 29 16-0017	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	903.15	60.81
22 14 29 16-0018	EA	1/3 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	931.64	60.81
22 14 29 16-0019	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	1,158.14	64.35
22 14 29 16-0020	EA	1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	1,178.16	64.35
22 14 29 16-0021	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	1,409.28	67.90
22 14 29 16-0022	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	1,409.28	67.90
22 14 29 16-0023	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	1,490.26	70.94
22 14 29 16-0024	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	1,490.26	70.94
22 14 29 16-0025	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	1,700.84	81.07
22 14 29 16-0026	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	1,700.84	81.07
22 14 29 16-0027	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	1,978.54	96.28
22 14 29 16-0028	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	1,943.89	96.28
22 14 29 19		Sump-Pump Basins and Pits (22 14 29)		
		See CSI section 22 13 29 33-0000 for basins and pits.		
22 15		General Service Compressed-Air Systems (22 10)		
22 15 13		General Service Compressed-Air Piping (22 15)		
22 15 13 00-0001		Quick Disconnect, Air-Service (22 15 13)		
22 15 13 00-0002		Combination Steel And Brass (22 15 13 00-0001)		
22 15 13 00-0003	EA	1/2" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket.....	47.42	14.19
22 15 13 00-0004	EA	3/4" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket.....	52.72	17.22
22 15 13 00-0005		Refrigerated Air Dryers With Ambient Air Filters (22 15 13)		
22 15 13 00-0006	EA	3 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	642.18	81.23
22 15 13 00-0007	EA	5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	728.87	83.49
22 15 13 00-0008	EA	7.5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	925.19	85.75
22 15 13 00-0009	EA	10 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,075.45	90.26
22 15 13 00-0010	EA	15 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,196.63	101.54
22 15 13 00-0011	EA	20 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,328.89	115.53
22 15 13 00-0012	EA	30 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,880.36	146.67
22 15 13 00-0013	EA	40 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,116.04	171.49
22 15 13 00-0014	EA	50 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,299.87	183.22
22 15 13 00-0015	EA	60 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,500.28	203.08
22 15 13 00-0016	EA	75 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,815.40	225.64
22 15 13 00-0017	EA	85 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	3,133.26	248.21
22 15 13 00-0018	EA	100 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	3,300.27	275.29
22 15 13 00-0019	EA	125 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	3,844.35	293.34
22 15 13 00-0020	EA	175 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	4,623.43	304.62
22 15 13 00-0021	EA	200 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	5,453.22	315.91
22 15 13 00-0022	EA	250 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	6,056.32	327.19
22 15 13 00-0023	EA	300 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	6,592.02	338.47
22 15 13 00-0024	EA	400 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	7,364.88	361.03
22 15 13 00-0025	EA	500 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	8,611.64	451.29
22 15 13 00-0026	EA	600 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	10,886.28	541.54
22 15 13 00-0027	EA	800 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	12,133.05	631.80
22 15 13 00-0028	EA	1,000 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	14,272.00	722.07
22 15 13 00-0029		Oil And Water Separator For Air Compressor (22 15 13)		
22 15 13 00-0030	EA	0-60 SCFM Oil/Water Separator.....	591.01	32.45
22 15 13 00-0031	EA	85 SCFM Oil/Water Separator.....	791.45	38.02
22 15 13 00-0032	EA	190 SCFM Oil/Water Separator.....	924.93	43.10
22 15 13 00-0033	EA	245 SCFM Oil/Water Separator.....	1,160.80	50.70
22 15 13 00-0034	EA	320 SCFM Oil/Water Separator.....	1,379.80	60.83
22 15 13 00-0035	EA	700 SCFM Oil/Water Separator.....	2,782.06	126.74



Plumbing			22
Plumbing Piping			22 10
General Service Compressed-Air Systems			22 15

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0036 Heavy Duty Industrial Pressure Regulator (22 15 13)				
22 15 13 00-0037	EA	3/8" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	104.87	27.07
22 15 13 00-0038	EA	1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	146.22	36.10
22 15 13 00-0039	EA	3/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	247.59	45.13
22 15 13 00-0040	EA	1" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	311.90	67.69
22 15 13 00-0041	EA	1-1/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	433.89	78.97
22 15 13 00-0042	EA	1-1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	456.45	90.26
22 15 13 00-0043 Combination Air System; Filter Regulator Lubricator (22 15 13)				
22 15 13 00-0044	EA	3/8" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter.....	395.44	81.23
22 15 13 00-0045	EA	1/2" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter.....	490.71	108.31
22 15 13 00-0046 Heatless Desiccant Air Dryers (22 15 13)				
22 15 13 00-0047	EA	5 SCFM Heatless Desiccant Air Dryer.....	2,276.74	81.23
22 15 13 00-0048	EA	10 SCFM Heatless Desiccant Air Dryer.....	2,736.49	90.26
22 15 13 00-0049	EA	15 SCFM Heatless Desiccant Air Dryer.....	2,764.15	99.28
22 15 13 00-0050	EA	20 SCFM Heatless Desiccant Air Dryer.....	3,157.20	112.82
22 15 13 00-0051	EA	30 SCFM Heatless Desiccant Air Dryer.....	4,346.65	135.38
22 15 13 00-0052	EA	50 SCFM Heatless Desiccant Air Dryer.....	4,298.48	180.51
22 15 13 00-0053	EA	85 SCFM Heatless Desiccant Air Dryer.....	5,771.57	225.64
22 15 13 00-0054	EA	100 SCFM Heatless Desiccant Air Dryer.....	6,128.79	270.78
22 15 13 00-0055	EA	125 SCFM Heatless Desiccant Air Dryer.....	7,017.23	315.91
22 15 13 00-0056	EA	175 SCFM Heatless Desiccant Air Dryer.....	8,057.67	361.03
22 15 13 00-0057	EA	200 SCFM Heatless Desiccant Air Dryer.....	8,661.17	406.16
22 15 13 00-0058	EA	300 SCFM Heatless Desiccant Air Dryer.....	10,585.16	451.29
22 15 13 00-0059	EA	400 SCFM Heatless Desiccant Air Dryer.....	11,763.40	541.54
22 15 13 00-0060	EA	500 SCFM Heatless Desiccant Air Dryer.....	13,596.74	631.80
22 15 13 00-0061	EA	600 SCFM Heatless Desiccant Air Dryer.....	15,687.73	722.07
22 15 13 00-0062 Air Cooled Aftercoolers (22 15 13)				
22 15 13 00-0063	EA	20 SCFM Air-Cooled Aftercooler.....	578.81	56.41
22 15 13 00-0064	EA	35 SCFM Air-Cooled Aftercooler.....	780.90	67.69
22 15 13 00-0065	EA	43 SCFM Air-Cooled Aftercooler.....	858.28	78.97
22 15 13 00-0066	EA	70 SCFM Air-Cooled Aftercooler.....	1,048.04	90.26
22 15 13 00-0067	EA	125 SCFM Air-Cooled Aftercooler.....	1,457.08	101.54
22 15 13 00-0068	EA	185 SCFM Air-Cooled Aftercooler.....	1,635.88	112.82
22 15 13 00-0069	EA	260 SCFM Air-Cooled Aftercooler.....	3,157.60	135.38
22 15 13 00-0070	EA	365 SCFM Air-Cooled Aftercooler.....	3,303.05	157.95
22 15 13 00-0071	EA	560 SCFM Air-Cooled Aftercooler.....	3,447.40	180.51
22 15 13 00-0072	EA	650 SCFM Air-Cooled Aftercooler.....	4,041.82	203.08
22 15 13 00-0073	EA	750 SCFM Air-Cooled Aftercooler.....	4,419.16	225.64
22 15 13 00-0074	EA	900 SCFM Air-Cooled Aftercooler.....	5,066.22	248.21
22 15 13 00-0075	EA	1,100 SCFM Air-Cooled Aftercooler.....	6,498.28	270.78
22 15 13 00-0076	EA	1,460 SCFM Air-Cooled Aftercooler.....	7,430.95	293.34
22 15 13 00-0077	EA	1,800 SCFM Air-Cooled Aftercooler.....	7,674.80	315.91
22 15 13 00-0078	EA	2,500 SCFM Air-Cooled Aftercooler.....	8,229.77	338.47
22 15 13 00-0079 Compressed Air Coalescing Filters (22 15 13)				
22 15 13 00-0080 1.0 Micron Filter Rated Compressed Air Coalescing Filters (22 15 13 00-0079)				
22 15 13 00-0081	EA	10 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating.....	202.96	32.95
22 15 13 00-0082	EA	20 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating.....	241.33	32.95
22 15 13 00-0083	EA	50 SCFM, 1/2", Coalescing Filter, 1.0 Micron Filter Rating.....	263.80	38.02
22 15 13 00-0084	EA	75 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating.....	303.74	43.60
22 15 13 00-0085	EA	100 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating.....	353.98	48.16
22 15 13 00-0086	EA	140 SCFM, 1", Coalescing Filter, 1.0 Micron Filter Rating.....	401.65	58.30
22 15 13 00-0087	EA	175 SCFM, 1-1/4" Coalescing Filter, 1.0 Micron Filter Rating.....	487.79	63.37
22 15 13 00-0088	EA	250 SCFM, 1-1/2" Coalescing Filter, 1.0 Micron Filter Rating.....	524.87	76.05
22 15 13 00-0089	EA	280 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating.....	674.24	101.40
22 15 13 00-0090	EA	350 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating.....	770.86	114.06
22 15 13 00-0091 0.01 Micron Filter Rated Compressed Air Coalescing Filters (22 15 13 00-0079)				
22 15 13 00-0092	EA	16 SCFM, 3/8" Coalescing Filter, 0.01 Micron Filter Rating.....	246.82	32.95
22 15 13 00-0093	EA	30 SCFM, 1/2" Coalescing Filter, 0.01 Micron Filter Rating.....	267.90	38.02
22 15 13 00-0094	EA	60 SCFM, 3/4" Coalescing Filter, 0.01 Micron Filter Rating.....	307.58	43.60
22 15 13 00-0095	EA	100 SCFM, 1" Coalescing Filter, 0.01 Micron Filter Rating.....	361.66	43.10
22 15 13 00-0096	EA	140 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating.....	410.43	58.30
22 15 13 00-0097	EA	180 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating.....	465.25	63.37
22 15 13 00-0098	EA	250 SCFM, 1-1/2" Coalescing Filter, 0.01 Micron Filter Rating.....	534.73	76.05
22 15 13 00-0099	EA	280 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating.....	690.69	101.40
22 15 13 00-0100	EA	350 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating.....	792.79	114.06
22 15 13 00-0101 Compressed Air Storage Tanks (22 15 13)				

22	Plumbing
22 10	Plumbing Piping
22 15	General Service Compressed-Air Systems



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 15 13 00-0102	Horizontal Compressed Air Storage Tanks (22 15 13 00-0101)		
22 15 13 00-0103	EA 12 Gallon Horizontal Compressed Air Storage Tank, ASME	336.28	72.21
22 15 13 00-0104	EA 15 Gallon Horizontal Compressed Air Storage Tank, ASME	542.61	78.97
22 15 13 00-0105	EA 20 Gallon Horizontal Compressed Air Storage Tank, ASME	574.77	83.04
22 15 13 00-0106	EA 30 Gallon Horizontal Compressed Air Storage Tank, ASME	654.36	90.26
22 15 13 00-0107	EA 60 Gallon Horizontal Compressed Air Storage Tank, ASME	855.05	121.85
22 15 13 00-0108	EA 80 Gallon Horizontal Compressed Air Storage Tank, ASME	1,029.74	135.38
22 15 13 00-0109	EA 120 Gallon Horizontal Compressed Air Storage Tank, ASME	1,535.03	157.95
22 15 13 00-0110	EA 200 Gallon Horizontal Compressed Air Storage Tank, ASME	2,277.34	180.51
22 15 13 00-0111	EA 240 Gallon Horizontal Compressed Air Storage Tank, ASME	2,536.96	191.79
22 15 13 00-0112	EA 325 Gallon Horizontal Compressed Air Storage Tank, ASME	3,651.69	203.08
22 15 13 00-0113	EA 400 Gallon Horizontal Compressed Air Storage Tank, ASME	4,804.58	236.93
22 15 13 00-0114	EA 660 Gallon Horizontal Compressed Air Storage Tank, ASME	6,898.91	282.06

22 15 13 00-0115	Vertical Compressed Air Storage Tanks (22 15 13 00-0101)		
22 15 13 00-0116	EA 10 Gallon Vertical Compressed Air Storage Tank, ASME	505.03	72.21
22 15 13 00-0117	EA 15 Gallon Vertical Compressed Air Storage Tank, ASME	530.59	78.97
22 15 13 00-0118	EA 20 Gallon Vertical Compressed Air Storage Tank, ASME	574.77	83.04
22 15 13 00-0119	EA 30 Gallon Vertical Compressed Air Storage Tank, ASME	678.16	90.26
22 15 13 00-0120	EA 60 Gallon Vertical Compressed Air Storage Tank, ASME	926.45	121.85
22 15 13 00-0121	EA 80 Gallon Vertical Compressed Air Storage Tank, ASME	1,064.13	135.38
22 15 13 00-0122	EA 120 Gallon Vertical Compressed Air Storage Tank, ASME	1,460.26	157.95
22 15 13 00-0123	EA 200 Gallon Vertical Compressed Air Storage Tank, ASME	2,123.24	180.51
22 15 13 00-0124	EA 240 Gallon Vertical Compressed Air Storage Tank, ASME	2,340.54	191.79
22 15 13 00-0125	EA 325 Gallon Vertical Compressed Air Storage Tank, ASME	3,170.88	203.08
22 15 13 00-0126	EA 400 Gallon Vertical Compressed Air Storage Tank, ASME	4,058.36	236.93
22 15 13 00-0127	EA 500 Gallon Vertical Compressed Air Storage Tank, ASME	5,281.50	259.50
22 15 13 00-0128	EA 660 Gallon Vertical Compressed Air Storage Tank, ASME	8,748.59	293.34

22 15 19	General Service Packaged Air Compressors and Receivers (22 15)		
Note: Includes V-belt drive, receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.			

22 15 19 13	General Service Packaged Reciprocating Air Compressors (22 15 19)		
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22 15 19 13-0001	Single Stage Compressor (22 15 19 13)		
Note: Includes receiver, reciprocating air cooled, 140 PSIG working pressure, splash lubricated, tank mounted.			
22 15 19 13-0002	EA 1/2 HP 1-Stage Air Compressor, 1.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	2,550.84	320.24
22 15 19 13-0003	EA 3/4 HP 1-Stage Air Compressor, 2.0 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	2,665.67	369.60
22 15 19 13-0004	EA 1 HP 1-Stage Air Compressor, 2.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,042.15	436.49
22 15 19 13-0005	EA 2 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,465.59	481.62
22 15 19 13-0006	EA 3 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	4,237.96	508.69
22 15 19 13-0007	EA 3 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	4,527.84	526.75
22 15 19 13-0008	EA 5 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	5,084.69	602.02
22 15 19 13-0009	EA 5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	5,453.72	638.13
22 15 19 13-0010	EA 7.5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	6,542.83	722.42

22 15 19 13-0011	Two Stage Compressor (22 15 19 13)		
Note: With receiver, reciprocating air cooled, discharge pressure 80-200 PSIG, receiver capacity as noted, splash lubricated, tank mounted.			
22 15 19 13-0012	EA 1-1/2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 5.0 ACFM, 80-200 PSIG Discharge Pressure	4,876.57	562.85
22 15 19 13-0013	EA 2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 7.0 ACFM, 80-200 PSIG Discharge Pressure	5,236.06	662.22
22 15 19 13-0014	EA 3 HP 2-Stage Air Compressor, 60 Gallon Receiver, 12 ACFM, 80-200 PSIG Discharge Pressure	5,473.51	722.42
22 15 19 13-0015	EA 5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 15 ACFM, 80-200 PSIG Discharge Pressure	6,251.85	963.23
22 15 19 13-0016	EA 5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 16.5 ACFM, 80-200 PSI Max Discharge Pressure	6,738.93	963.23
22 15 19 13-0017	EA 7.5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 19.8 ACFM, 80-200 PSIG Discharge Pressure	7,237.82	1,204.04
22 15 19 13-0018	EA 7.5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 25.6 ACFM, 80-200 PSI Max Discharge Pressure	7,679.59	1,204.04
22 15 19 13-0019	EA 10 HP 2-Stage Air Compressor, 80 Gallon Receiver, 35.0 ACFM, 80-200 PSI Max Discharge Pressure	9,845.86	1,489.25
22 15 19 13-0020	EA 10 HP 2-Stage Air Compressor, 120 Gallon Receiver, 38 ACFM, 80-200 PSIG Discharge Pressure	10,565.27	1,534.38
22 15 19 13-0021	EA 15 HP 2-Stage Air Compressor, 120 Gallon Receiver, 50 ACFM, 80-200 PSIG Discharge Pressure	11,412.97	1,793.24
22 15 19 13-0022	EA 20 HP 2-Stage Air Compressor, 120 Gallon Receiver, 70 ACFM, 80-200 PSIG Discharge Pressure	17,195.95	2,029.90
22 15 19 13-0023	EA 25 HP 2-Stage Air Compressor, 120 Gallon Receiver, 84.4 ACFM, 175 PSI Max Discharge Pressure	18,473.56	2,293.72
22 15 19 13-0024	EA 30 HP 2-Stage Air Compressor, 120 Gallon Receiver, 97.2 ACFM, 175 PSI Max Discharge Pressure	20,590.62	2,535.07
22 15 19 13-0025	EA 30 HP 2-Stage Air Compressor, 250 Gallon Receiver, 101 ACFM, 175 PSI Max Discharge Pressure	22,400.46	2,778.31

22 15 19 19	General Service Packaged Rotary-Screw Air Compressors (22 15 19)		
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22 15 19 19-0001	Rotary Screw Air Compressor, Base Mounted Without Receiver (22 15 19 19)		
Note: Oil flooded.			
22 15 19 19-0002	EA 3 HP, 8.5 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	8,325.86	809.12
22 15 19 19-0003	EA 5 HP, 16.6 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	9,286.49	1,078.83
22 15 19 19-0004	EA 7.5 HP, 27 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	11,907.72	1,352.59
22 15 19 19-0005	EA 10 HP, 37 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	13,768.91	1,723.70
22 15 19 19-0006	EA 15 HP, 56 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	15,753.51	2,027.87
22 15 19 19-0007	EA 20 HP, 79 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	19,120.09	2,281.36
22 15 19 19-0008	EA 25 HP, 114 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	20,952.92	2,534.85
22 15 19 19-0009	EA 30 HP, 137 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	25,207.61	2,839.02
22 15 19 19-0010	EA 40 HP, 183 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	27,711.56	3,041.81



	Plumbing	22	
	Plumbing Piping	22 10	22
	General Service Compressed-Air Systems	22 15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 19 19-0011 EA 50 HP, 214 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated ...	31,111.35	3,278.06
22 15 19 19-0012 EA 60 HP, 256 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	40,476.17	3,548.79
22 15 19 19-0013 EA 75 HP, 320 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	44,917.13	3,751.57
22 15 19 19-0014 EA 100 HP, 494 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	72,163.82	4,055.75
22 15 19 19-0015 EA 125 HP, 592 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	90,056.07	4,385.28
22 15 19 19-0016 EA 150 HP, 695 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	104,625.13	4,719.88
22 15 19 19-0017 EA 220 HP, 996 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	136,172.41	5,069.69
22 15 19 19-0018 EA 250 HP, 1,000 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	154,725.60	5,394.15
22 15 19 19-0019 Rotary Screw Air Compressor, Base Mounted With Receiver (22 15 19 19) Note: Includes receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.		
22 15 19 19-0020 EA 5 HP, 18.5 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated.....	10,389.78	1,078.83
22 15 19 19-0021 EA 5 HP, 18.5 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated.....	11,042.25	1,078.83
22 15 19 19-0022 EA 7.5 HP, 28 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	12,426.51	1,352.59
22 15 19 19-0023 EA 7.5 HP, 28 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	13,140.15	1,352.59
22 15 19 19-0024 EA 10 HP, 38 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	14,054.36	1,723.70
22 15 19 19-0025 EA 10 HP, 38 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	14,808.77	1,723.70
22 15 19 19-0026 EA 15 HP, 55 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	15,989.12	2,027.87
22 15 19 19-0027 EA 15 HP, 55 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	16,804.70	2,027.87
22 15 19 19-0028 EA 20 HP, 75 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	27,710.86	2,281.36
22 15 19 19-0029 EA 25 HP, 102 SCFM, 120 gallon receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	29,849.54	2,534.85
22 15 19 19-0030 EA 30 HP, 125 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	31,784.35	2,839.02
22 30 Plumbing Equipment (22)		
22 31 Domestic Water Softeners (22 30)		
22 31 13 Residential Domestic Water Softeners (22 31) See CSI section 11 30 13 0109 for residential water softener.		
22 31 16 Commercial Domestic Water Softeners (22 31)		
22 31 16 00-0001 Commercial Water Softeners (Watts Pure Water) (22 31 16)		
22 31 16 00-0002 Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0001)		
22 31 16 00-0003 1" Pipe Connection, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0002) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0004 EA 30,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111A11).....	3,404.36	256.69
22 31 16 00-0005 EA 45,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111B11).....	3,558.47	268.35
22 31 16 00-0006 EA 60,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111C11).....	3,839.13	280.02
22 31 16 00-0007 EA 90,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111D11).....	4,413.67	291.69
22 31 16 00-0008 EA 120,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111E11).....	4,702.76	303.36
22 31 16 00-0009 1-1/2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0002) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0010 EA 60,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121C11).....	5,080.74	280.02
22 31 16 00-0011 EA 90,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121D11).....	5,343.12	291.69
22 31 16 00-0012 EA 120,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121E11).....	5,633.61	303.36
22 31 16 00-0013 EA 150,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121F11).....	6,686.24	315.02
22 31 16 00-0014 EA 210,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121G11).....	7,428.10	326.69

22 Plumbing
22 30 Plumbing Equipment
22 31 Domestic Water Softeners



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0015	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS1512H11)	9,033.34	338.35
22 31 16 00-0016		2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0002) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0017	EA	90,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D11)	7,691.36	291.69
22 31 16 00-0018	EA	120,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E11)	7,972.01	303.36
22 31 16 00-0019	EA	150,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F11)	9,027.45	315.02
22 31 16 00-0020	EA	210,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G11)	9,769.31	326.69
22 31 16 00-0021	EA	300,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H11)	11,461.73	338.35
22 31 16 00-0022	EA	450,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I11)	15,100.22	350.03
22 31 16 00-0023	EA	600,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J11)	17,656.00	361.68
22 31 16 00-0024		3" Pipe Connection, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0002) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0025	EA	300,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H11)	18,526.12	338.35
22 31 16 00-0026	EA	450,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I11)	21,395.46	350.03
22 31 16 00-0027	EA	600,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J11)	23,917.49	361.68
22 31 16 00-0028	EA	900,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K11)	30,098.27	373.35
22 31 16 00-0029	EA	1,050,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L11)	33,321.96	385.02
22 31 16 00-0030		Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0001)		
22 31 16 00-0031		2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0030) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0032	EA	90,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D21)	12,616.25	437.53
22 31 16 00-0033	EA	120,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E21)	13,175.73	455.02
22 31 16 00-0034	EA	150,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F21)	14,995.11	472.53
22 31 16 00-0035	EA	210,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G21)	16,389.85	490.03
22 31 16 00-0036	EA	300,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H21)	19,990.78	507.53
22 31 16 00-0037	EA	450,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I21)	26,457.43	525.03
22 31 16 00-0038	EA	600,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J21)	31,127.03	542.54
22 31 16 00-0039		3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0030) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0040	EA	300,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H21)	34,001.46	507.53
22 31 16 00-0041	EA	450,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I21)	39,050.73	525.03
22 31 16 00-0042	EA	600,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J21)	43,876.41	542.54
22 31 16 00-0043	EA	900,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K21)	55,805.87	560.03
22 31 16 00-0044	EA	1,050,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L21)	62,299.23	577.54
22 31 16 00-0045		Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0001)		



Plumbing		22
Plumbing Equipment		22 30
Domestic Water Softeners		22 31

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0046		1" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0045) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0047	EA	30,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21).....	4,485.05	385.02
22 31 16 00-0048	EA	45,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21).....	4,781.59	402.53
22 31 16 00-0049	EA	60,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21).....	5,211.71	420.02
22 31 16 00-0050	EA	90,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21).....	6,242.26	437.53
22 31 16 00-0051	EA	120,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21).....	6,898.77	455.02
22 31 16 00-0052		1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0045) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0053	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21).....	8,717.19	420.02
22 31 16 00-0054	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21).....	9,190.91	437.53
22 31 16 00-0055	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21).....	9,889.61	455.02
22 31 16 00-0056	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21).....	11,311.05	472.53
22 31 16 00-0057	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21).....	12,753.60	490.03
22 31 16 00-0058	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21).....	15,948.16	507.53
22 32		Domestic Water Filtration Equipment (22 30)		
22 32 16		Domestic-Water Freestanding Cartridge Filters (22 32)		
22 32 16 00-0001		Commercial Water Filters Housings (22 32 16)		
22 32 16 00-0002		Commercial Multi-Cartridge Stainless Steel Water Filter Housings (22 32 16 00-0001)		
22 32 16 00-0003		Commercial Multi-Cartridge Stainless Steel Water Filter Housings (22 32 16 00-0002)		
22 32 16 00-0004	EA	25 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X1).....	1,770.81	164.76
22 32 16 00-0005	EA	30 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X1).....	1,808.82	177.44
22 32 16 00-0006	EA	60 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X2).....	1,925.57	190.11
22 32 16 00-0007	EA	90 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X3).....	2,129.49	202.79
22 32 16 00-0008	EA	120 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X4).....	2,195.61	215.46
22 32 16 00-0009	EA	150 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X4).....	2,651.24	228.14
22 32 16 00-0010	EA	250 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X3).....	7,325.25	240.81
22 32 16 00-0011	EA	300 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X4).....	8,513.47	253.49
22 32 16 00-0012	EA	500 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X3).....	10,791.43	266.16
22 32 16 00-0013	EA	600 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X4).....	11,965.59	278.84
22 32 16 00-0014		Commercial Water Filter Cartridges (22 32 16 00-0002)		
22 32 16 00-0015		(Depth) Water Filter Cartridges (22 32 16 00-0014)		
22 32 16 00-0016	EA	50 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M50).....	9.32	2.03
22 32 16 00-0017	EA	20 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M20).....	9.32	2.03
22 32 16 00-0018	EA	10 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M10).....	9.32	2.03
22 32 16 00-0019	EA	5 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M5).....	7.92	2.03
22 32 16 00-0020	EA	1 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M1).....	9.67	2.03
22 32 16 00-0021	EA	50 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M50).....	9.67	2.03
22 32 16 00-0022	EA	20 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M20).....	10.38	2.03
22 32 16 00-0023	EA	5 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Big Pure Water PWMB20M5).....	12.84	2.03
22 32 16 00-0024	EA	1 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M1).....	10.38	2.03
22 32 16 00-0025	EA	50 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M50).....	12.14	2.03
22 32 16 00-0026	EA	20 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M20).....	12.14	2.03
22 32 16 00-0027	EA	5 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M5).....	12.14	2.03
22 32 16 00-0028	EA	1 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M1).....	13.19	2.03
22 32 16 00-0029	EA	50 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M50).....	17.06	2.03

22 Plumbing**22 30 Plumbing Equipment****22 32 Domestic Water Filtration Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 32 16 00-0030 EA 20 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M20)	15.65	2.03
22 32 16 00-0031 EA 5 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M5)	15.65	2.03
22 32 16 00-0032 EA 1 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M1)	17.06	2.03
22 32 16 00-0033 Pleated Water Filter Cartridges (22 32 16 00-0014)		
22 32 16 00-0034 EA 50 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M50)	16.00	2.03
22 32 16 00-0035 EA 20 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M20)	16.00	2.03
22 32 16 00-0036 EA 5 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M5)	16.35	2.03
22 32 16 00-0037 EA 1 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1)	17.41	2.03
22 32 16 00-0038 EA 1 Micron Absolute, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1AB)	25.85	2.03
22 32 16 00-0039 EA 50 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M50)	24.79	2.03
22 32 16 00-0040 EA 20 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M20)	24.79	2.03
22 32 16 00-0041 EA 5 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Big Pure Water PWPL20M5)	24.79	2.03
22 32 16 00-0042 EA 1 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1)	32.52	2.03
22 32 16 00-0043 EA 1 Micron Absolute, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1AB)	45.88	2.03
22 32 16 00-0044 EA 50 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M50)	38.50	2.03
22 32 16 00-0045 EA 20 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M20)	53.26	2.03
22 32 16 00-0046 EA 5 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M5)	55.37	2.03
22 32 16 00-0047 EA 1 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M1)	62.40	2.03
22 32 16 00-0048 Commercial Non-Metallic Water Filter Housings (22 32 16 00-0001)		
22 32 16 00-0049 Commercial Non-Metallic Water Filter Housings (22 32 16 00-0048)		
22 32 16 00-0050 EA 150 GPM Max Flow Rate, 1 Cartridge, Commercial Non-Metallic Water Filter Housing (Watts Big Bubba® PWWJCHSG)	1,401.67	152.09
22 32 16 00-0051 Commercial Water Filter Cartridges (22 32 16 00-0048)		
22 32 16 00-0052 Carbon Water Filter Cartridges (22 32 16 00-0051)		
22 32 16 00-0053 EA Activated 26-1/4" Length, Carbon Water Filter Cartridge (Watts Big Bubba® PWWJCAC5)	442.06	2.03
22 32 16 00-0054 (Depth) Water Filter Cartridges (22 32 16 00-0051)		
22 32 16 00-0055 EA 50 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB50)	92.28	2.03
22 32 16 00-0056 EA 20 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB20)	91.58	2.03
22 32 16 00-0057 EA 5 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB5)	91.58	2.03
22 32 16 00-0058 EA 1 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB1)	104.94	2.03
22 32 16 00-0059 Pleated Water Filter Cartridges (22 32 16 00-0051)		
22 32 16 00-0060 EA 150 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCM150)	243.09	2.03
22 32 16 00-0061 EA 50 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP50)	228.33	2.03
22 32 16 00-0062 EA 20 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP20)	248.72	2.03
22 32 16 00-0063 EA 5 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP5)	260.67	2.03
22 32 16 00-0064 EA 1 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1)	277.54	2.03
22 32 16 00-0065 EA 1 Absolute, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1AB)	300.74	2.03
22 33 Electric Domestic Water Heaters (22 30)		
22 33 13 Instantaneous Electric Domestic Water Heaters (22 33)		
22 33 13 13 Flow-Control, Instantaneous Electric Domestic Water Heaters (22 33 13)		
22 33 13 13-0001 Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters (22 33 13 13)		
22 33 13 13-0002 EA 3 To 10 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012, EX48, EX65, EX75, EX95)	343.64	50.68
22 33 13 13-0003 EA 7.2 KW, 0.75 GPM, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch RP7P)	417.12	50.68
22 33 13 16 Thermostat-Control, Instantaneous Electric Domestic Water Heaters (22 33 13)		
22 33 13 16-0001 Thermostat Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters (22 33 13 16)		
Note: Temperature rise decreases with increased flow rate.		
22 33 13 16-0002 EA 3 To 10 KW Thermostat-Control, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012T, EX48T, EX65T, EX75T, EX95T, EX012240T)	461.47	76.01
22 33 13 16-0003 EA 12 KW, 2.0 GPM, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE12)	545.02	101.35
22 33 13 16-0004 EA 17.25 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE115)	925.56	177.36
22 33 13 16-0005 EA 26.85 KW, 4.0 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE125)	1,375.58	202.69
22 33 13 16-0006 EA 12 KW, 1.6 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 12 Plus)	904.01	101.35
22 33 13 16-0007 EA 14.4 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 15 Plus)	1,243.20	152.02



Plumbing			22
Plumbing Equipment			22 30
Electric Domestic Water Heaters			22 33

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 13 16-0008 EA 19.2 KW, 2.8 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 20 Plus).....	1,390.49	202.69
22 33 13 16-0009 EA 24 KW, 3.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 24 Plus).....	1,439.13	202.69
22 33 13 16-0010 EA 28.8 KW, 4.5 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 29 Plus).....	1,485.08	202.69
22 33 13 16-0011 EA 36 KW, 4.5 GPM At 55 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 36 Plus).....	1,552.64	202.69
22 33 30 Residential, Electric Domestic Water Heaters (22 33)		
22 33 30 13 Residential, Small-Capacity Electric Domestic Water Heaters (22 33 30)		
22 33 30 13-0001 Small-Capacity, Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 13) Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 13-0002 EA 2 Gallon, Small-Capacity, Electric Domestic Water Heater.....	675.92	159.62
22 33 30 13-0003 EA 10 Gallon, Small-Capacity, Electric Domestic Water Heater.....	815.09	169.76
22 33 30 13-0004 EA 20 Gallon, Small-Capacity, Electric Domestic Water Heater.....	949.21	177.36
22 33 30 16 Residential, Storage Electric Domestic Water Heaters (22 33 30)		
22 33 30 16-0001 Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 16) Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0002 EA 30 Gallon, Electric Domestic Water Heater.....	1,007.33	177.36
22 33 30 16-0003 EA 40 Gallon, Electric Domestic Water Heater.....	956.37	182.43
22 33 30 16-0004 EA 50 Gallon, Electric Domestic Water Heater.....	945.69	187.50
22 33 30 16-0005 EA 55 Gallon, Electric Domestic Water Heater.....	1,044.78	190.03
22 33 30 16-0006 EA 66 Gallon, Electric Domestic Water Heater.....	1,472.24	195.09
22 33 30 16-0007 EA 80 Gallon, Electric Domestic Water Heater.....	1,502.30	202.69
22 33 30 16-0008 EA 120 Gallon, Electric Domestic Water Heater.....	1,967.85	215.36
22 33 30 16-0009 Low-Boy, Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 16) Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0010 EA 30 Gallon, Low-Boy, Electric Domestic Water Heater.....	1,074.07	177.36
22 33 30 16-0011 EA 40 Gallon, Low-Boy, Electric Domestic Water Heater.....	1,030.70	182.43
22 33 30 16-0012 EA 50 Gallon, Low-Boy, Electric Domestic Water Heater.....	1,088.39	187.50
22 33 30 16-0013 High Efficiency, Electric Domestic Water Heaters (A.O. Smith Conservationist) (22 33 30 16) Note: Includes .95 energy factor glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0014 EA 40 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,108.66	182.43
22 33 30 16-0015 EA 50 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,204.33	187.50
22 33 30 16-0016 EA 66 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,461.76	195.09
22 33 30 16-0017 EA 80 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,583.98	202.69
22 33 30 16-0018 Water Heater Accessories (22 33 30 16)		
22 33 30 16-0019 EA 2 Gallon, Expansion Pressure Tank For Water Heaters.....	82.77	10.14
22 33 30 16-0020 EA 4.4 Gallon, Expansion Pressure Tank For Water Heaters.....	96.72	10.14
22 33 30 16-0021 EA 7.6 Gallon, Expansion Pressure Tank For Water Heaters.....	182.87	10.14
22 33 30 16-0022 EA 14 Gallon, Expansion Pressure Tank For Water Heaters.....	243.50	10.14
22 33 30 16-0023 EA 20" Diameter, 3" Deep, Aluminum Water Heater Drain Pan.....	52.02	7.60
22 33 30 16-0024 EA 22" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan.....	56.46	7.60
22 33 30 16-0025 EA 24" Diameter, 3" Deep, Aluminum Water Heater Drain Pan.....	59.42	7.60
22 33 30 16-0026 EA 26" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan.....	69.77	7.60
22 33 30 16-0027 EA 22" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	29.77	7.60
22 33 30 16-0028 EA 24" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	32.13	7.60
22 33 30 16-0029 EA 26" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	35.46	7.60
22 33 30 16-0030 EA 28" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	39.74	7.60
22 33 33 Light-Commercial Electric Domestic Water Heaters (22 33)		
22 33 33 00-0001 Standard Duty Electric Commercial Water Heaters (A.O. Smith DEL And DEN) (22 33 33) Note: Includes glass lined tank, drain valve, and temperature and pressure relief valve.		
22 33 33 00-0002 EA Up To 2.5 KW, 6 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-6S).....	1,314.66	177.36
22 33 33 00-0003 EA Up To 6 KW, 10 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-10S).....	1,412.21	177.36
22 33 33 00-0004 EA Up To 6 KW, 20 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-20S).....	1,535.67	202.69
22 33 33 00-0005 EA Up To 12 KW, 30 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-30D).....	2,650.54	202.69
22 33 33 00-0006 EA Up To 12 KW, 40 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-40D).....	3,061.58	253.37
22 33 33 00-0007 EA Up To 12 KW, 50 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-50D).....	3,395.19	304.05
22 33 33 00-0008 EA Up To 12 KW, 80 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-80D).....	4,067.76	456.06



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 33 33 00-0009

Heavy Duty Electric Commercial Water Heaters (A.O. Smith DSE) (22 33 33)

Note: Includes glass lined tank, ASME tank construction, drain valve, and temperature and pressure relief valve.

22 33 33 00-0010	EA	3 KW, 5 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-5-3)	4,767.67	177.36
22 33 33 00-0011	EA	3 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-3)	4,953.48	177.36
22 33 33 00-0012	EA	6 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-6)	5,154.78	177.36
22 33 33 00-0013	EA	3 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-3)	5,205.46	202.69
22 33 33 00-0014	EA	6 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-6)	5,437.73	202.69
22 33 33 00-0015	EA	9 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-9)	5,809.35	202.69
22 33 33 00-0016	EA	12 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-12)	6,057.10	202.69
22 33 33 00-0017	EA	15 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-15)	6,258.40	202.69
22 33 33 00-0018	EA	18 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-18)	6,475.18	202.69
22 33 33 00-0019	EA	6 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-6)	5,669.99	202.69
22 33 33 00-0020	EA	9 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-9)	5,886.77	202.69
22 33 33 00-0021	EA	12 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-12)	6,134.52	202.69
22 33 33 00-0022	EA	15 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-15)	6,335.82	202.69
22 33 33 00-0023	EA	18 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-18)	6,552.60	202.69
22 33 33 00-0024	EA	24 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-24)	8,147.49	202.69
22 33 33 00-0025	EA	9 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-9)	6,189.42	253.37
22 33 33 00-0026	EA	12 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-12)	6,390.72	253.37
22 33 33 00-0027	EA	15 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-15)	6,638.47	253.37
22 33 33 00-0028	EA	18 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-18)	6,855.25	253.37
22 33 33 00-0029	EA	24 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-24)	8,465.62	253.37
22 33 33 00-0030	EA	30 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-30)	9,208.87	253.37
22 33 33 00-0031	EA	36 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-36)	9,936.63	253.37
22 33 33 00-0032	EA	9 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-9)	7,157.88	304.05
22 33 33 00-0033	EA	12 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-12)	7,359.18	304.05
22 33 33 00-0034	EA	15 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-15)	7,560.48	304.05
22 33 33 00-0035	EA	18 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-18)	7,777.26	304.05
22 33 33 00-0036	EA	24 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-24)	9,434.08	304.05
22 33 33 00-0037	EA	30 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-30)	10,177.33	304.05
22 33 33 00-0038	EA	36 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-36)	10,905.10	304.05
22 33 33 00-0039	EA	45 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-45)	12,221.27	304.05
22 33 33 00-0040	EA	54 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-54)	12,809.67	304.05
22 33 33 00-0041	EA	60 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-60)	14,853.60	304.05
22 33 33 00-0042	EA	75 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-75)	17,485.94	304.05
22 33 33 00-0043	EA	90 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-90)	21,914.47	304.05
22 33 33 00-0044	EA	9 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-9)	8,072.86	405.39
22 33 33 00-0045	EA	12 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-12)	8,305.13	405.39
22 33 33 00-0046	EA	15 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-15)	8,521.91	405.39
22 33 33 00-0047	EA	18 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-18)	8,707.72	405.39
22 33 33 00-0048	EA	24 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-24)	10,349.06	405.39
22 33 33 00-0049	EA	30 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-30)	11,092.31	405.39
22 33 33 00-0050	EA	36 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-36)	11,804.59	405.39
22 33 33 00-0051	EA	45 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-45)	13,151.73	405.39
22 33 33 00-0052	EA	54 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-54)	13,724.65	405.39
22 33 33 00-0053	EA	60 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-60)	15,784.07	405.39
22 33 33 00-0054	EA	75 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-75)	18,431.89	405.39
22 33 33 00-0055	EA	90 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-90)	22,844.93	405.39
22 33 33 00-0056	EA	12 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-12)	9,025.85	456.06
22 33 33 00-0057	EA	15 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-15)	9,242.63	456.06
22 33 33 00-0058	EA	18 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-18)	9,428.45	456.06
22 33 33 00-0059	EA	24 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-24)	11,085.27	456.06
22 33 33 00-0060	EA	30 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-30)	11,751.10	456.06
22 33 33 00-0061	EA	36 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-36)	12,525.32	456.06
22 33 33 00-0062	EA	45 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-45)	13,872.45	456.06
22 33 33 00-0063	EA	54 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-54)	14,460.86	456.06
22 33 33 00-0064	EA	60 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-60)	16,396.40	456.06
22 33 33 00-0065	EA	75 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-75)	19,152.62	456.06
22 33 33 00-0066	EA	90 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-90)	23,565.66	456.06
22 33 33 00-0067	EA	15 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-15)	10,149.16	506.74
22 33 33 00-0068	EA	18 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-18)	10,396.91	506.74
22 33 33 00-0069	EA	24 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-24)	12,007.28	506.74
22 33 33 00-0070	EA	30 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-30)	12,750.53	506.74
22 33 33 00-0071	EA	36 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-36)	13,478.29	506.74
22 33 33 00-0072	EA	45 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-45)	14,794.46	506.74
22 33 33 00-0073	EA	54 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-54)	15,398.35	506.74
22 33 33 00-0074	EA	60 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-60)	17,426.80	506.74
22 33 33 00-0075	EA	75 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-75)	20,059.14	506.74
22 33 33 00-0076	EA	90 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-90)	24,503.15	506.74
22 33 33 00-0077	EA	15 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-15)	10,909.30	608.08
22 33 33 00-0078	EA	18 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-18)	11,126.08	608.08
22 33 33 00-0079	EA	24 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-24)	12,736.45	608.08
22 33 33 00-0080	EA	30 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-30)	13,448.73	608.08
22 33 33 00-0081	EA	36 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-36)	14,207.46	608.08
22 33 33 00-0082	EA	45 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-45)	15,523.63	608.08
22 33 33 00-0083	EA	54 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-54)	16,081.07	608.08
22 33 33 00-0084	EA	60 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-60)	18,171.46	608.08
22 33 33 00-0085	EA	75 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-75)	20,819.28	608.08
22 33 33 00-0086	EA	90 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-90)	25,216.84	608.08



Plumbing			22
Plumbing Equipment			22 30
Electric Domestic Water Heaters			22 33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 33 00-0087		Water Heater Accessories (22 33 33)		
22 33 33 00-0088	EA	Up To 80 Gallon Water Heater Strap Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carriage Bolts (2) 3/8" Hex Nuts	34.63	
22 33 33 00-0089	EA	>80 To 120 Gallon Water Heater Strap Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carriage Bolts (2) 3/8" Hex Nuts	49.88	
22 33 33 00-0090		Removal And Reinstallation Of Water Heater (22 33 33) Note: Includes storage and cleaning.		
22 33 33 00-0091	EA	Removal And Reinstallation Of Water Heater Electric, Up To 82 Gallon	337.82	
22 33 33 00-0092	EA	Removal And Reinstallation Of Water Heater Electric, 83 Gallon To 200 Gallon.....	1,013.47	
22 34		Fuel-Fired Domestic Water Heaters (22 30)		
22 34 13		Instantaneous, Tankless, Gas Domestic Water Heaters (22 34)		
22 34 13 00-0001		Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13)		
22 34 13 00-0002		Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13 00-0001) Note: Includes vent connection. Excludes vent.		
22 34 13 00-0003	EA	4.2 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-42PVN)	1,388.66	202.69
22 34 13 00-0004	EA	5.3 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53PVN)	1,496.74	205.22
22 34 13 00-0005	EA	5.3 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53DVN)	1,637.98	210.29
22 34 13 00-0006	EA	6.6 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-66DVN)	1,900.81	215.36
22 34 13 00-0007	EA	7.4 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74PVN)	2,293.38	228.03
22 34 13 00-0008	EA	7.4 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74DVN)	2,340.20	228.03
22 34 13 00-0009		Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13 00-0001)		
22 34 13 00-0010	EA	5.3 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53XN)	1,491.67	202.69
22 34 13 00-0011	EA	7.4 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74XN)	2,293.38	228.03
22 34 30		Residential Gas Domestic Water Heaters (22 34)		
22 34 30 13		Residential, Atmospheric, Gas Domestic Water Heaters (22 34 30)		
22 34 30 13-0001		Atmospheric, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 13) Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 13-0002	EA	30 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-30)	1,059.01	195.09
22 34 30 13-0003	EA	40 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-40)	1,043.87	200.16
22 34 30 13-0004	EA	50 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCVX-50)	1,361.70	205.22
22 34 30 13-0005	EA	65 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-65)	1,468.52	210.29
22 34 30 13-0006	EA	75 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-75)	1,597.50	215.36
22 34 30 13-0007	EA	100 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-100)	2,323.02	228.03
22 34 30 16		Residential, Direct-Vent, Gas Domestic Water Heaters (22 34 30)		
22 34 30 16-0001		Direct-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 16) Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 16-0002	EA	40 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-40)	1,868.32	200.16
22 34 30 16-0003	EA	50 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-50)	2,119.78	205.22
22 34 30 16-0004	EA	75 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-75)	2,732.29	210.29
22 34 30 19		Residential, Power-Vent, Gas Domestic Water Heaters (22 34 30)		
22 34 30 19-0001		Power-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 19) Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 19-0002	EA	40 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-40)	1,705.33	200.16
22 34 30 19-0003	EA	50 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-50)	1,774.93	205.22
22 34 36		Commercial Gas Domestic Water Heaters (22 34)		
22 34 36 13		Commercial, Atmospheric, Gas Domestic Water Heaters (22 34 36)		
22 34 36 13-0001		Gas Fired Commercial Water Heaters (A.O. Smith BTR) (22 34 36 13) Note: Includes automatic flue damper, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 13-0002	EA	120 MBH Input, 71 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-120)	5,252.89	304.05
22 34 36 13-0003	EA	154 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-154)	5,611.67	354.71
22 34 36 13-0004	EA	180 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-180)	6,938.52	405.39

22 Plumbing**22 30 Plumbing Equipment****22 34 Fuel-Fired Domestic Water Heaters**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 13-0005 EA 199 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-199).....	6,009.59	405.39
22 34 36 13-0006 EA 199 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200).....	6,900.58	405.39
22 34 36 13-0007 EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200A).....	9,188.83	445.93
22 34 36 13-0008 EA 250 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250).....	6,691.81	456.06
22 34 36 13-0009 EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250A).....	9,900.83	501.67
22 34 36 13-0010 EA 251 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251).....	6,794.76	456.06
22 34 36 13-0011 EA 251 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251A).....	9,447.38	501.67
22 34 36 13-0012 EA 275 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275).....	7,536.69	557.41
22 34 36 13-0013 EA 275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275A).....	10,344.42	613.15
22 34 36 13-0014 EA 305 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305).....	8,468.12	557.41
22 34 36 13-0015 EA 305 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305A).....	10,405.69	613.15
22 34 36 13-0016 EA 365 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365).....	8,201.85	608.08
22 34 36 13-0017 EA 365 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365A).....	11,485.37	668.89
22 34 36 13-0018 EA 390 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400).....	10,395.55	608.08
22 34 36 13-0019 EA 390 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400A).....	13,593.33	668.89
22 34 36 13-0020 EA 500 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-500).....	13,536.29	658.76
22 34 36 13-0021 EA 150 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151).....	6,763.65	354.71
22 34 36 13-0022 EA 150 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151A).....	8,109.16	390.19
22 34 36 13-0023 EA 199 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201).....	7,036.56	405.39
22 34 36 13-0024 EA 199 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201A).....	8,428.98	445.93
22 34 36 13-0025 EA Sidewall Power Vent System For BTR-120 through BTR-200.....	1,732.24	253.37
22 34 36 13-0026 EA Sidewall Power Vent System For BTR-250 through BTR-500.....	1,891.56	253.37
22 34 36 13-0027 Removal And Reinstallation Of Water Heater (22 34 36 13) Note: Includes storage and cleaning.		
22 34 36 13-0028 EA Removal And Reinstallation Of Water Heater Gas Fired, Up To 86 Gallon.....	460.67	
22 34 36 13-0029 EA Removal And Reinstallation Of Water Heater Gas Fired, 87 Gallon To 200 Gallon.....	1,218.11	
22 34 36 19 Commercial, Power-Vent, Gas Domestic Water Heaters (22 34 36)		
22 34 36 19-0001 Induced Draft Blower Gas Fired Commercial Water Heaters (A.O. Smith BTN) (22 34 36 19) Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 19-0002 EA 90 MBH Input, 98 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-100).....	4,284.70	304.05
22 34 36 19-0003 EA 120 MBH Input, 71 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-120).....	6,110.78	304.05
22 34 36 19-0004 EA 154 MBH Input, 81 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-154).....	7,449.96	354.71
22 34 36 19-0005 EA 180 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-180).....	7,759.64	405.39
22 34 36 19-0006 EA 199 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-199).....	7,796.41	405.39
22 34 36 19-0007 EA 199 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200).....	7,967.99	405.39
22 34 36 19-0008 EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200A).....	9,348.15	445.93
22 34 36 19-0009 EA 250 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250).....	8,792.42	456.06
22 34 36 19-0010 EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250A).....	10,807.75	501.67
22 34 36 19-0011 EA 275 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275).....	9,227.97	557.41
22 34 36 19-0012 EA 275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275A).....	11,300.35	613.15
22 34 36 19-0013 EA 310 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310).....	9,424.06	557.41
22 34 36 19-0014 EA 310 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310A).....	11,422.91	613.15
22 34 36 19-0015 EA 366 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366).....	10,567.13	608.08
22 34 36 19-0016 EA 366 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366A).....	12,416.79	668.89
22 34 36 19-0017 EA 390 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400).....	12,785.40	608.08
22 34 36 19-0018 EA 390 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400A).....	14,745.36	668.89
22 34 36 19-0019 Condensing Gas Fired Commercial Water Heaters (A.O. Smith BTX And BTH) (22 34 36 19) Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 19-0020 EA 76 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-80).....	3,328.76	304.05
22 34 36 19-0021 EA 100 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-100).....	4,456.28	304.05



Plumbing			22
Plumbing Equipment			22 30
Fuel-Fired Domestic Water Heaters			22 34

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 19-0022	EA	120 MBH Input, 60 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120).....	5,387.70	304.05
22 34 36 19-0023	EA	120 MBH Input, 60 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120A).....	7,752.57	334.44
22 34 36 19-0024	EA	150 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150).....	7,940.18	354.71
22 34 36 19-0025	EA	150 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150A).....	10,008.78	390.19
22 34 36 19-0026	EA	199 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199).....	8,066.03	405.39
22 34 36 19-0027	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199A).....	10,316.35	445.93
22 34 36 19-0028	EA	250 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250).....	9,319.41	456.06
22 34 36 19-0029	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250A).....	11,334.74	501.67
22 34 36 19-0030	EA	300 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-300A).....	14,829.96	613.15
22 34 36 19-0031	EA	399.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-400A).....	15,590.99	668.89
22 34 36 19-0032	EA	499.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-500A).....	17,932.99	724.63
22 34 36 23 Commercial, High-Efficiency, Gas Domestic Water Heaters (22 34 36)				
22 34 36 23-0001 Laars Mighty Therm Gas Fired Domestic Hot Water Skid Package (22 34 36 23)				
Note: Includes (2) Laars Mighty Therm boilers, (2) B&G boiler primary pumps (one per boiler), T&P valve, circuit setter, storage tank (sized for 10 minutes buffer based on 50 degree city water supply, and operating set point for the tank at 130 degrees storage), and all necessary accessories for system monitoring such as gauges and thermometers. UL listed and labeled. Excludes piping insulation or seismic calculations.				
22 34 36 23-0002	EA	400 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-400).....	61,431.18	1,353.61
22 34 36 23-0003	EA	1,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-1000).....	74,214.16	1,438.21
22 34 36 23-0004	EA	2,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-2000).....	90,104.05	1,522.81
22 34 36 23-0005	EA	3,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-3000).....	107,648.91	1,607.41
22 34 36 23-0006	EA	4,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-4000).....	112,836.03	1,692.01
22 34 36 23-0007 Laars Mighty Therm Volume Water Heater (22 34 36 23)				
22 34 36 23-0008	EA	200 MBH Gas Fired Volume Water Heater (Laars MT2V0200).....	7,839.93	747.18
22 34 36 23-0009	EA	300 MBH Gas Fired Volume Water Heater (Laars MT2V0300).....	8,516.08	840.58
22 34 36 23-0010	EA	400 MBH Gas Fired Volume Water Heater (Laars MT2V0400).....	9,879.15	1,027.37
22 34 36 23-0011	EA	500 MBH Gas Fired Volume Water Heater (Laars MT2V0500).....	14,268.54	1,120.77
22 34 36 23-0012	EA	750 MBH Gas Fired Volume Water Heater (Laars MT2V0750).....	15,719.00	1,307.56
22 34 36 23-0013	EA	1,000 MBH Gas Fired Volume Water Heater (Laars MT2V1000).....	17,980.12	1,494.36
22 34 36 23-0014	EA	1,250 MBH Gas Fired Volume Water Heater (Laars MT2V1250).....	19,872.89	1,681.15
22 34 36 23-0015	EA	1,500 MBH Gas Fired Volume Water Heater (Laars MT2V1500).....	23,710.99	1,867.95
22 34 36 23-0016	EA	1,750 MBH Gas Fired Volume Water Heater (Laars MT2V1750).....	24,611.66	1,961.34
22 34 36 23-0017	EA	2,000 MBH Gas Fired Volume Water Heater (Laars MT2V2000).....	26,386.20	2,054.74
22 34 36 26 Commercial, Coil-Type, Finned-Tube, Gas Domestic Water Heaters (22 34 36)				
22 34 36 26-0001 Laars Rheos+ 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heaters (22 34 36 26)				
22 34 36 26-0002	EA	1,200 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+).....	32,327.39	1,171.20
22 34 36 26-0003	EA	1,600 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+).....	45,749.81	1,294.49
22 34 36 26-0004	EA	2,000 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+).....	49,654.76	1,356.13
22 34 36 26-0005	EA	2,400 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+).....	53,778.97	1,479.42
22 34 36 26-0006 Laars Rheos 86% Efficient Gas Fired, Copper Fin Tube LoNox Water Heaters (22 34 36 26)				
22 34 36 26-0007	EA	1,200 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos).....	28,636.06	1,171.20
22 34 36 26-0008	EA	1,600 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos).....	31,635.22	1,294.49
22 34 36 26-0009	EA	2,000 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos).....	34,598.64	1,356.13
22 34 36 26-0010	EA	2,400 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos).....	37,589.32	1,479.42
22 34 36 26-0011 Laars Pennant 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heaters (22 34 36 26)				
22 34 36 26-0012	EA	200 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant).....	7,292.26	554.78
22 34 36 26-0013	EA	300 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant).....	8,021.11	616.43
22 34 36 26-0014	EA	400 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant).....	9,416.70	739.70
22 34 36 26-0015	EA	500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant).....	13,345.41	770.53
22 34 36 26-0016	EA	750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant).....	14,684.77	924.63
22 34 36 26-0017	EA	1,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant).....	18,117.76	1,109.56
22 34 36 26-0018	EA	1,250 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant).....	20,616.76	1,171.20
22 34 36 26-0019	EA	1,500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant).....	22,860.48	1,263.67
22 34 36 26-0020	EA	1,750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant).....	24,967.06	1,325.31
22 34 36 26-0021	EA	2,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant).....	26,812.25	1,356.13

22 Plumbing**22 30 Plumbing Equipment****22 34 Fuel-Fired Domestic Water Heaters**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 34 36 26-0022 Patterson Kelley Thermific Sealed Combustion, Gas Fired, Copper Fin Tube Water Heaters (22 34 36 26)

22 34 36 26-0023	EA	700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific).....	24,066.26	924.63
22 34 36 26-0024	EA	1,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific).....	26,473.03	1,109.56
22 34 36 26-0025	EA	1,500 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific).....	35,459.01	1,263.67
22 34 36 26-0026	EA	1,700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific).....	36,523.83	1,325.31
22 34 36 26-0027	EA	2,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific).....	38,241.98	1,356.13

22 34 36 26-0028 Patterson Kelley Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Water Heaters (22 34 36 26)

22 34 36 26-0029	EA	1,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire).....	30,545.49	1,109.56
22 34 36 26-0030	EA	1,500 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire).....	36,969.42	1,263.67
22 34 36 26-0031	EA	2,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire).....	39,228.69	1,356.13

22 34 46 Oil-Fired Domestic Water Heaters (22 34)

22 34 46 11 Standard-capacity, Oil-Fired Domestic Water Heaters (22 34 46)

22 34 46 11-0001 Oil-Fired Domestic Water Heaters (Bock) (22 34 46 11)

Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 46 11-0002	EA	60 MBH, 20 Gallon, Oil-Fired Domestic Water Heater (Bock 20E).....	1,754.29	195.09
22 34 46 11-0003	EA	104 MBH, 32 Gallon, Oil-Fired Domestic Water Heater (Bock 32E).....	1,730.33	195.09
22 34 46 11-0004	EA	104 MBH, 33 Gallon, Oil-Fired Domestic Water Heater (Bock 33ES).....	1,807.31	195.09
22 34 46 11-0005	EA	125 MBH, 40 Gallon, Oil-Fired Domestic Water Heater (Bock 40E).....	1,909.17	200.16
22 34 46 11-0006	EA	140 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 50ES).....	2,434.91	205.22
22 34 46 11-0007	EA	152 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 51E).....	2,054.27	205.22

22 34 46 11-0008 Oil Fired Commercial Water Heaters (22 34 46 11)

Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 46 11-0009	EA	173 MBH, 68 Gallon, Oil-Fired Commercial Water Heater (Bock 71E).....	2,844.76	304.05
22 34 46 11-0010	EA	199 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Bock 72E).....	3,345.91	304.05
22 34 46 11-0011	EA	242 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Bock 73E).....	3,365.19	304.05
22 34 46 11-0012	EA	190 MBH, 113 Gallon, Oil-Fired Commercial Water Heater (Bock 120E).....	4,850.04	405.39
22 34 46 11-0013	EA	415 MBH, 91 Gallon, Oil-Fired Commercial Water Heater (Bock 361E).....	6,657.84	506.74
22 34 46 11-0014	EA	623 MBH, 83 Gallon, Oil-Fired Commercial Water Heater (Bock 541E).....	8,388.38	557.41

22 35 Domestic Water Heat Exchangers (22 30)

22 35 23 Circulating, Domestic Water Heat Exchangers (22 35)

22 35 23 13 Circulating, Compact Domestic Water Heat Exchangers (22 35 23)

22 35 23 13-0001 Steam Driven Water Heaters (22 35 23 13)

22 35 23 13-0002 Constant Flow (22 35 23 13-0001)

22 35 23 13-0003	EA	30 GPM, 700 LB/Hour Steam Water Heater, Constant Flow.....	7,468.86	506.74
22 35 23 13-0004	EA	90 GPM, 1,250 LB/Hour Steam Water Heater, Constant Flow.....	9,337.41	620.95
22 35 23 13-0005	EA	140 GPM, 2,500 LB/Hour Steam Water Heater, Constant Flow.....	11,952.77	812.10
22 35 23 13-0006	EA	230 GPM, 5,000 LB/Hour Steam Water Heater, Constant Flow.....	16,150.02	1,131.13
22 35 23 13-0007	EA	500 GPM, 7,500 LB/Hour Steam Water Heater, Constant Flow.....	23,685.37	1,862.96
22 35 23 13-0008	EA	900 GPM, 10,000 LB/Hour Steam Water Heater, Constant Flow.....	25,752.40	2,111.36
22 35 23 13-0009	EA	1,400 GPM, 15,000 LB/Hour Steam Water Heater, Constant Flow.....	34,043.85	2,436.18
22 35 23 13-0010	EA	2,400 GPM, 20,000 LB/Hour Steam Water Heater, Constant Flow.....	41,001.30	2,879.17

22 35 23 13-0011 Variable Flow (22 35 23 13-0001)

22 35 23 13-0012	EA	30 GPM, 700 LB/Hour Steam Water Heater, Variable Flow.....	11,083.68	988.13
22 35 23 13-0013	EA	90 GPM, 1,250 LB/Hour Steam Water Heater, Variable Flow.....	12,497.40	1,206.54
22 35 23 13-0014	EA	140 GPM, 2,500 LB/Hour Steam Water Heater, Variable Flow.....	15,926.40	1,560.13
22 35 23 13-0015	EA	230 GPM, 5,000 LB/Hour Steam Water Heater, Variable Flow.....	20,788.47	2,176.73
22 35 23 13-0016	EA	500 GPM, 7,500 LB/Hour Steam Water Heater, Variable Flow.....	30,729.46	3,640.39
22 35 23 13-0017	EA	900 GPM, 10,000 LB/Hour Steam Water Heater, Variable Flow.....	37,712.77	4,009.00
22 35 23 13-0018	EA	1,400 GPM, 15,000 LB/Hour Steam Water Heater, Variable Flow.....	43,649.91	4,691.97
22 35 23 13-0019	EA	2,400 GPM, 20,000 LB/Hour Steam Water Heater, Variable Flow.....	55,526.36	5,605.51

22 40 Plumbing Fixtures (22)

Note: The following Energy Policy Act Flow Rates Requirements superseded flow rates standards listed in section. Plumbing fixtures and



Plumbing		22
Plumbing Fixtures		22 40
Domestic Water Heat Exchangers		22 35

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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trim should not exceed the maximum flow rates set forth in The Energy Policy Act 92. lavatory faucets - 2.5 gal/min, lavatory replacement aerators - 2.5 gal/min, kitchen faucets - 2.5 gal/min, kitchen replacement aerators - 2.5 gal/min, metering faucets - 0.25 gal/cycle, gravity tank-type toilets - 1.6 gal/flush, flushometer tank toilets - 1.6 gal/flush, electromechanical hydraulic toilets - 1.6 gal/flush, blowdown toilets - 3.5 gal/flush, urinals - 1.0 gal/flush.

22 41 Residential Plumbing Fixtures (22 40)

22 41 39 Residential Faucets, Supplies, and Trim (22 41)

22 41 39 00-0001 Residential Kitchen Faucets (22 41 39)

22 41 39 00-0002	EA	Chrome Single Handle Kitchen Faucet (Delta 100LF-WF).....	150.71	46.67
22 41 39 00-0003	EA	Chrome Single Handle Kitchen Faucet With Spray (Delta 400LF-WF).....	171.54	46.67
22 41 39 00-0004	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Delta 300LF-WF).....	171.54	46.67
22 41 39 00-0005	EA	Chrome Two Handle Kitchen Faucet, Three Hole Installation 8"Center (Delta 2102LF-LHP+H215).....	165.79	46.67
22 41 39 00-0006	EA	Chrome Two Handle Kitchen Faucet With Spray, Three Hole Installation, 8" Center (Delta 2402LF-LHP+H215).....	176.98	46.67

22 41 39 00-0007 Residential Lavatory Faucets (22 41 39)

22 41 39 00-0008	EA	Chrome, Single Acrylic Handle, Bath Faucet (Delta 502-DST).....	134.48	33.60
		For Faucet With Brass Pop-Up, Add.....	11.00	
22 41 39 00-0009	EA	Chrome, Single Lever Handle, Lavatory Faucet (Delta 500-WF).....	134.48	33.60
		For Faucet With Brass Pop-Up, Add.....	11.00	
22 41 39 00-0010	EA	Chrome, Two Handle, Bath Faucet With Acrylic Handles (Delta 2502LF).....	100.22	33.60
		For Faucet With Brass Pop-Up, Add.....	16.50	
		For Faucet With Plastic Pop-Up, Add.....	14.00	

22 41 39 00-0011 Residential Bath And Shower Faucets (22 41 39)

22 41 39 00-0012	EA	Single Lever Handle, Chrome Shower Only, Pressure Balanced/Anti-Scald Valve (American Standard T675.501).....	173.91	40.51
		For Faucet With Polished Nickel Or Brass Finish, Add.....	25.00	
22 41 39 00-0013	EA	Single Lever Handle, Chrome Bath And Shower, Pressure Balanced/Anti-Scald Valve (American Standard T675.502).....	202.41	40.51
		For Faucet With Polished Nickel Or Brass Finish, Add.....	25.00	
22 41 39 00-0014	EA	Two-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3275).....	161.49	40.51
		For Faucet With Polished Nickel Or Brass Finish, Add.....	75.00	
		For Faucet With Lever Handles, Add.....	8.10	
22 41 39 00-0015	EA	Three-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3375).....	176.84	40.51
		For Faucet With Polished Nickel Or Brass Finish, Add.....	75.00	
		For Faucet With Lever Handles, Add.....	8.10	
22 41 39 00-0016	EA	Hand Shower With Hose And 25" Slide Bar (American Standard 1662.602).....	193.15	25.34
22 41 39 00-0017	EA	Wall Mount, Hand Shower With Hose (Delta 55011).....	162.63	25.34
22 41 39 00-0018	EA	Wall Mount, Hand Shower Unit With Hose (Delta Faucet 62001 DS).....	213.90	25.34

22 41 39 00-0019 Residential Laundry Faucets (22 41 39)

22 41 39 00-0020	EA	Stream Straightener Nozzle Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2123LF).....	117.07	29.79
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22 41 39 00-0021 Residential Laundry/Wash Basin Faucets (22 41 39)

22 41 39 00-0022	EA	Hose Thread Spout Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF).....	117.93	29.79
22 41 39 00-0023	EA	Hose Thread Spout With Vacuum Breaker Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF+RP12503).....	164.83	32.84

22 41 39 00-0024 Other Residential Faucets (22 41 39)

22 41 39 00-0025	EA	Sillcock, Compact, Brass, IPS Or Copper To Hose.....	34.69	7.60
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22 42 Commercial Plumbing Fixtures (22 40)

Note: Prices are for commercial grade unless otherwise indicated. Includes final connection and all associated trim (seat, supply stop and line, wax seal, valve). Excludes rough-in within the wall and carrier.

22 42 13 Commercial Water Closets, Urinals, and Bidets (22 42)

22 42 13 13 Commercial Water Closets (22 42 13)

22 42 13 13-0001 Vitreous China Water Closets (22 42 13 13)

Note: With a 2" ball pass.

22 42 13 13-0002 Floor Mounted Elongated Vitreous China Water Closets (22 42 13 13-0001)

Note: Includes wax seal and toilet seat. Excludes flush valve.

22 42 13 13-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Madera™).....	590.15	97.07
22 42 13 13-0004	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Colorado).....	583.58	97.07
22 42 13 13-0005	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Priolo®).....	717.20	97.07
22 42 13 13-0006	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Yorkville™).....	948.68	97.07
22 42 13 13-0007	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Cadet™).....	841.34	97.07
22 42 13 13-0008	EA	1 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Compact Cadet™).....	780.73	97.07

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0009	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet With Concealed Trapway (American Standard Cadet® 3 FloWise® RIGHT HEIGHT®).....	784.90	97.07
22 42 13 13-0010	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Kohler® Wellcomme™).....	580.85	97.07
22 42 13 13-0011	EA	1.28 GPF Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Toto® CT705E).....	627.63	97.07
22 42 13 13-0012 Wall Hung Elongated Vitreous China Water Closets (22 42 13 13-0001)				
Note: Includes wax seal and toilet seat. Excludes flush valve.				
22 42 13 13-0013	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard AFWall®).....	679.10	119.48
22 42 13 13-0014	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard AFWall® ADA Retrofit).....	863.91	119.48
22 42 13 13-0015	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Glenwall™).....	1,115.10	119.48
22 42 13 13-0016	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Kingston™).....	682.14	119.48
22 42 13 13-0017	EA	Flush Valve Type, Blow Out, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Stratton™).....	1,080.93	119.48
22 42 13 13-0018	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT708E Or CT708EV).....	763.65	119.48
22 42 13 13-0019	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5615-BWL).....	636.78	119.48
22 42 13 13-0020	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Sloan ST-2459).....	673.54	119.48
22 42 13 13-0021 Floor Mounted Elongated Handicapped Water Closets (22 42 13 13-0001)				
Note: Includes wax seal and toilet seat. Excludes flush valve.				
22 42 13 13-0022	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Madera™ ADA).....	599.23	97.07
22 42 13 13-0023	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Colorado Right Height®).....	615.30	97.07
22 42 13 13-0024	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Right Width™ Right Height®).....	686.13	97.07
22 42 13 13-0025	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Huron).....	773.75	97.07
22 42 13 13-0026	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Priolo® ADA).....	770.10	97.07
22 42 13 13-0027	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Back Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Yorkville™ ADA).....	1,049.76	97.07
22 42 13 13-0028	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Cadet Right Height™ ADA).....	874.52	97.07
22 42 13 13-0029	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT705ELN).....	671.38	97.07
22 42 13 13-0030	EA	2 Piece Tank Type, High Efficiency Water Closet Floor Mounted, Elongated, (Sterling 402077) With Open-Front Seat (Kohler K-4650).....	730.65	97.07
22 42 13 13-0031	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler Highline™ ADA K-3519).....	896.52	97.07
22 42 13 13-0032	EA	2 Piece Tank Type, Dual-Flush 1.4 And 1.6 GPF, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Vortens Vienna ELX-DF 3113-3436).....	683.85	97.07
22 42 13 13-0033	EA	2 Piece Tank Type, High Efficiency Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Niagara Stealth™).....	664.15	97.07
22 42 13 13-0034	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn HET Z5667-BWL).....	634.52	97.07
22 42 13 13-0035 Floor Mounted, 10" High Bowl, Children's Height Vitreous China Water Closets (22 42 13 13-0001)				
Note: Includes wax seal and toilet seat. Excludes flush valve.				
22 42 13 13-0036	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Elongated Vitreous China Water Closet (Kohler® Primary™).....	680.44	97.07
22 42 13 13-0037	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™).....	607.25	97.07
22 42 13 13-0038	EA	2 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™).....	721.18	97.07
22 42 13 13-0039 Floor Mounted Round Bowl Vitreous China Water Closets (22 42 13 13-0001)				
22 42 13 13-0040	EA	2 Piece Tank Type, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Toto® CST715) With SoftClose® Seat (Toto® SS113).....	662.11	97.07
22 42 13 13-0041	EA	2 Piece Tank Type, Dual Flush, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Vortens 3208-3412).....	670.86	97.07
22 42 13 13-0042 Stainless Steel Water Closets (22 42 13 13)				
22 42 13 13-0043	EA	Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2105-T-1-HS).....	3,716.28	210.02
22 42 13 13-0044	EA	Floor Mounted Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2120-T-3-HS).....	3,920.57	210.02
22 42 13 13-0045 Water Closet Carriers (22 42 13 13)				



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0046			Pipe Grip Adaptor Type, Water Closet Carriers (22 42 13 13-0045) Note: Includes coated cast iron construction, plated hardware and adjustable feet. Excludes waste piping and fittings.		
22 42 13 13-0047	EA		Pipe Grip Adaptor Type, Water Closet Carrier.....	462.15	49.28
22 42 13 13-0048			No-Hub, Water Closet Carriers (22 42 13 13-0045) Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0049	EA		Vertical Close With Offset, No-Hub, Single Water Closet Carrier.....	706.15	49.28
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-59.86	
			For Positioning Frame, Add	39.65	
			For Supply Pipe Support, Add	40.54	
			For Vandal Proof Trim, Add	50.95	
			For Auxiliary Inlet, Add	171.98	
			For Special Duty 500 LB Carrier, Add	284.21	
22 42 13 13-0050	EA		Vertical Close On Stack, No-Hub, Single Water Closet Carrier.....	706.15	49.28
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-59.86	
			For Positioning Frame, Add	39.65	
			For Supply Pipe Support, Add	40.54	
			For Vandal Proof Trim, Add	50.95	
			For Auxiliary Inlet, Add	171.98	
			For Special Duty 500 LB Carrier, Add	284.21	
22 42 13 13-0051	EA		Horizontal Adjustable, No-Hub, Single Water Closet Carrier.....	769.60	49.28
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-59.86	
			For Positioning Frame, Add	39.65	
			For Supply Pipe Support, Add	40.54	
			For Vandal Proof Trim, Add	50.95	
			For Auxiliary Inlet, Add	171.98	
			For Horizontal No Hub Cast Long Barrel, Add	174.91	
			For Carrier For Wide Chase Installations, Add	233.39	
			For Special Duty 1,000 LB Carrier, Add	284.22	
22 42 13 13-0052	EA		Vertical Adjustable On Stack, No-Hub, Single Water Closet Carrier.....	850.94	49.28
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-59.86	
			For Positioning Frame, Add	39.65	
			For Supply Pipe Support, Add	40.54	
			For Vandal Proof Trim, Add	50.95	
			For 4" Branch, Add	134.70	
			For Auxiliary Inlet, Add	171.98	
			For Carrier For Wide Chase Installations, Add	233.39	
			For Double 4" Branches, Add	270.29	
			For Special Duty 1,000 LB Carrier, Add	284.22	
22 42 13 13-0053	EA		Vertical Close With Offset, No-Hub, Double Water Closet (Back To Back) Carrier.....	1,172.07	72.33
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-119.75	
			For Positioning Frame, Add	86.28	
			For Supply Pipe Support, Add	88.07	
			For Vandal Proof Trim, Add	101.90	
			For Auxiliary Inlet, Add	185.98	
			For Special Duty 500 LB Carrier, Add	568.42	
22 42 13 13-0054	EA		Vertical Close On Stack, No-Hub, Double Water Closet (Back To Back) Carrier.....	1,204.26	72.33
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-119.75	
			For Positioning Frame, Add	86.28	
			For Supply Pipe Support, Add	88.07	
			For Vandal Proof Trim, Add	101.90	
			For Auxiliary Inlet, Add	185.98	
			For Special Duty 500 LB Carrier, Add	568.42	
22 42 13 13-0055	EA		Vertical Adjustable On Stack, No-Hub, Double Water Closet (Back To Back) Carrier.....	1,460.76	72.33
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-119.75	
			For Positioning Frame, Add	86.28	
			For Supply Pipe Support, Add	88.07	
			For Vandal Proof Trim, Add	101.90	
			For 4" Branch, Add	141.70	
			For Auxiliary Inlet, Add	185.98	
			For Double 4" Branches, Add	284.29	
			For Carrier For Wide Chase Installations, Add	508.77	
			For Special Duty 1,000 LB Carrier, Add	568.43	
22 42 13 13-0056	EA		Horizontal Adjustable, No-Hub, Double Water Closet (Back To Back) Carrier.....	1,376.74	72.33
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-119.75	
			For Positioning Frame, Add	86.28	
			For Supply Pipe Support, Add	88.07	
			For Vandal Proof Trim, Add	101.90	
			For Horizontal No Hub Cast Long Barrel, Add	181.91	
			For Carrier For Wide Chase Installations, Add	508.77	
			For Special Duty 1,000 LB Carrier, Add	568.43	
22 42 13 13-0057			Hub And Spigot, Water Closet Carriers (22 42 13 13-0045) Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0058	EA		Vertical Close With Offset, Hub And Spigot, Single Water Closet Carrier.....	706.15	49.28
			For Positioning Frame, Add	39.65	
			For Supply Pipe Support, Add	40.54	
			For Vandal Proof Trim, Add	50.95	
			For Hanger Type Closet Adapter, Add	127.81	
			For Auxiliary Inlet, Add	171.98	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0059 EA Vertical Close On Stack, Hub And Spigot, Single Water Closet Carrier.....	706.15	49.28
For Positioning Frame, Add	39.65	
For Supply Pipe Support, Add	40.54	
For Vandal Proof Trim, Add	50.95	
For Auxiliary Inlet, Add	171.98	
For Special Duty 500 LB Carrier, Add	284.21	
22 42 13 13-0060 EA Vertical Adjustable On Stack, Hub And Spigot, Single Water Closet Carrier	881.32	49.28
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-59.86	
For Positioning Frame, Add	39.65	
For Supply Pipe Support, Add	40.54	
For Vandal Proof Trim, Add	50.95	
For 4" Branch, Add	134.70	
For Auxiliary Inlet, Add	171.98	
For Carrier For Wide Chase Installations, Add	233.39	
For Double 4" Branches, Add	270.29	
For Special Duty 1,000 LB Carrier, Add	284.22	
22 42 13 13-0061 EA Vertical Close With Offset, Hub And Spigot, Double Water Closet (Back To Back) Carrier	1,172.07	72.33
For Positioning Frame, Add	86.28	
For Supply Pipe Support, Add	88.07	
For Vandal Proof Trim, Add	101.90	
For Auxiliary Inlet, Add	185.98	
For Hanger Type Closet Adapter, Add	255.61	
22 42 13 13-0062 EA Vertical Adjustable On Stack, Hub And Spigot, Double Water Closet (Back To Back) Carrier	1,491.15	72.33
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-119.75	
For Positioning Frame, Add	86.28	
For Supply Pipe Support, Add	88.07	
For Vandal Proof Trim, Add	101.90	
For 4" Branch, Add	141.70	
For Auxiliary Inlet, Add	185.98	
For Double 4" Branches, Add	284.29	
For Carrier For Wide Chase Installations, Add	508.77	
For Special Duty 1,000 LB Carrier, Add	568.43	
22 42 13 13-0063 Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Water Closet Carriers		
(22 42 13 13-0045)		
Note: Includes coated cast iron construction, plastic fitting adaptor with extension and plated hardware.		
22 42 13 13-0064 EA Vertical On Stack, Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Single Water Closet Carrier	549.74	49.28
For Positioning Frame, Add	39.65	
For Supply Pipe Support, Add	40.54	
For Vandal Proof Trim, Add	50.95	
For Hanger Type Closet Adapter, Add	127.81	
22 42 13 13-0065 Institutional Water Closet Carriers		
(22 42 13 13-0045)		
Note: Includes coated cast iron construction, ABS extension with integral test cap, buttress feet, plated hardware and neoprene fixture gasket.		
22 42 13 13-0066 EA Vertical On Stack, No-Hub, 90 Degree Institutional, Double Waste Fitting With Vent And Carrier, Water Closet Carrier	1,905.85	72.33
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-119.75	
For Positioning Frame, Add	86.28	
For Supply Pipe Support, Add	88.07	
For Vandal Proof Trim, Add	101.90	
For Auxiliary Inlet, Add	185.98	
22 42 13 13-0067 Removal And Reinstallation Of Fixtures And Trim		
(22 42 13 13)		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 13-0068 EA Removal And Reinstallation Of Wall Hung Water Closet With Tank	426.75	
22 42 13 13-0069 EA Removal And Reinstallation Of Wall Hung Water Closet With Flush Valve	426.75	
22 42 13 13-0070 EA Removal And Reinstallation Of Floor Mount Water Closet With Tank.....	328.22	
22 42 13 13-0071 EA Removal And Reinstallation Of Floor Mount Water Closet With Flush Valve	328.22	
22 42 13 16 Commercial Urinals		
(22 42 13)		
22 42 13 16-0001 Vitreous China Urinals		
(22 42 13 16)		
Note: Excludes flush valve unless indicated otherwise.		
22 42 13 16-0002 Wall Hung Urinals		
(22 42 13 16-0001)		
22 42 13 16-0003 EA Wall Hung Washout, Vitreous China Urinal (American Standard Maybrook™).....	526.29	99.88
22 42 13 16-0004 EA Wall Hung, Washout, Vitreous China Urinal With Top Spud (American Standard Washbrook®)	646.25	99.88
22 42 13 16-0005 EA Wall Hung, Washout, Vitreous China Urinal With Back Spud (American Standard Washbrook®).....	671.34	99.88
22 42 13 16-0006 EA Wall Hung, Blowout, Vitreous China Urinal (American Standard Lynbrook™).....	708.19	99.88
22 42 13 16-0007 EA Wall Hung Siphon Jet, Vitreous China Urinal (American Standard Trimbrook™)	644.30	99.88
22 42 13 16-0008 EA Wall Hung, Siphon Jet, Vitreous China Urinal (American Standard Allbrook™).....	542.99	99.88
22 42 13 16-0009 EA Wall Hung, Washout, Vitreous China Urinal (Toto® UT447E Or UT447EV).....	661.92	99.88
22 42 13 16-0010 EA Wall Hung, Washout, Vitreous China Urinal (Toto® UT104E Or UT104EV).....	564.97	99.88
22 42 13 16-0011 EA Wall Hung, Washout, Vitreous China Urinal (Zurn Z5798).....	612.08	99.88
22 42 13 16-0012 EA 0.125 To 0.5 GPF, HEU, Wall Hung, Washout, Vitreous China Urinal (Sloan SU-1009-A).....	558.04	99.88
22 42 13 16-0013 EA 1.0 GPF, HEU, Wall Hung, Washout, Vitreous China Urinal (Sloan SU-1006-A).....	555.98	99.88
22 42 13 16-0014 Floor Mounted Urinals		
(22 42 13 16-0001)		
22 42 13 16-0015 EA Washout, Floor Mounted, Vitreous China Urinal (American Standard Stallbrook™).....	882.59	126.00



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 16-0016 EA Washout, Floor Mounted, Vitreous China Urinal (Kohler® Branham™).....	1,004.94	126.00
22 42 13 16-0017 EA Floor Mounted Urinal Seam Cover For 21" Centers (Kohler® K-4931).....	292.75	23.34
22 42 13 16-0018 EA Floor Mounted Urinal Seam Cover For 24" Centers (Kohler® K-4932).....	332.82	23.34
22 42 13 16-0019 Waterfree Urinals (22 42 13 16-0001)		
22 42 13 16-0020 EA Waterfree, Wall Hung, Vitreous China Urinal (American Standard Large FloWise® Flush-Free).....	593.90	70.01
For Colored Fixtures, Add	66.90	
For >1, Deduct	-41.10	
22 42 13 16-0021 EA Waterfree, Wall Hung, Vitreous China Urinal (SLOAN WES-1000).....	837.18	70.01
For Colored Fixtures, Add	66.90	
For >1, Deduct	-68.84	
22 42 13 16-0022 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-2000).....	729.94	70.01
For Colored Fixtures, Add	66.90	
For >1, Deduct	-56.61	
22 42 13 16-0023 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-4000).....	574.78	70.01
For Colored Fixtures, Add	66.90	
For >1, Deduct	-38.92	
22 42 13 16-0024 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-5000).....	574.78	70.01
For Colored Fixtures, Add	66.90	
For >1, Deduct	-38.92	
22 42 13 16-0025 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-7000).....	696.69	70.01
For Colored Fixtures, Add	66.90	
For >1, Deduct	-52.82	
22 42 13 16-0026 EA Waterfree, Wall Hung, Stainless Steel Urinal (Falcon F-9000).....	1,022.58	70.01
For >1, Deduct	-89.97	
22 42 13 16-0027 Stainless Steel Urinals (22 42 13 16)		
22 42 13 16-0028 EA Wall Hung Urinal, Stainless Steel, Blowout Jet (Acorn 2160-T-1).....	3,831.20	210.02
22 42 13 16-0029 EA 5' Wall Hung Trough Urinal, Stainless Steel With Strainer And Washdown Pipe (Elkay EU6014C).....	4,973.69	256.69
22 42 13 16-0030 Urinal Carriers (22 42 13 16)		
22 42 13 16-0031 Floor Mounted, Urinal Carriers (22 42 13 16-0030)		
Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 13 16-0032 EA Floor Mounted Hanger Plate Type, Single Urinal Carrier.....	400.54	35.47
For Up To 4" Extension Sleeves And Hardware, Add	18.77	
22 42 13 16-0033 EA Floor Mounted Bearing Plate Type, Single Urinal Carrier.....	434.50	35.47
For Up To 4" Extension Sleeves And Hardware, Add	18.77	
22 42 13 16-0034 Wall Mounted, Urinal Carriers (22 42 13 16-0030)		
Note: Includes wall plate and adjustable supporting rods.		
22 42 13 16-0035 EA Wall Mounted Hanger Plate Type, Single Urinal Carrier.....	188.72	35.47
For Up To 6-1/2" Extension Sleeves And Hardware, Add	18.77	
22 42 13 16-0036 Removal And Reinstallation Of Fixtures And Trim (22 42 13 16)		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 16-0037 EA Removal And Reinstallation Of Wall Hung Urinal With Flush Valve.....	425.22	
22 42 16 Commercial Lavatories and Sinks (22 42)		
22 42 16 13 Commercial Lavatories (22 42 16)		
22 42 16 13-0001 Lavatories (22 42 16 13)		
Note: Includes trap, drain and supply valves. Excludes faucets.		
22 42 16 13-0002 Wall Hung Lavatories (22 42 16 13-0001)		
22 42 16 13-0003 EA 19" x 17" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™).....	522.53	62.53
22 42 16 13-0004 EA 20" x 18" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™).....	548.12	62.53
22 42 16 13-0005 EA 22" x 19" Porcelain Enameled Cast Iron Wall Hung Lavatory (Kohler® Hampton™).....	691.44	62.53
22 42 16 13-0006 EA 18" x 16" Vitreous China Wall Hung Lavatory (American Standard Penlyn™).....	475.87	62.53
22 42 16 13-0007 EA 19" x 17" Vitreous China Wall Hung Lavatory (American Standard Declyn™).....	404.38	62.53
22 42 16 13-0008 EA 20" x 18" Vitreous China Wall Hung Lavatory (Kohler® Soho®).....	522.11	62.53
22 42 16 13-0009 EA 27" x 20" Wheelchair Accessible, Vitreous China Wall Hung Lavatory (American Standard Wheel Chair Users).....	622.62	62.53
22 42 16 13-0010 EA 20" x 18" Vitreous China Wall Hung Lavatory (American Standard Roxalyn™).....	487.91	62.53
22 42 16 13-0011 EA 20" x 18" Vitreous China Wall Hung Lavatory (American Standard Lucerne™).....	425.45	62.53
22 42 16 13-0012 Countertop Lavatories (22 42 16 13-0001)		
22 42 16 13-0013 EA 20" x 18" Oval Vitreous China Countertop Lavatory (Kohler® Pennington®).....	461.34	75.60
22 42 16 13-0014 EA 21" x 18" Vitreous China Countertop Lavatory (American Standard Cadet™ Oval).....	470.21	75.60
22 42 16 13-0015 EA 19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Farmington™).....	494.96	75.60
22 42 16 13-0016 EA 19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Ellington™).....	521.29	75.60
22 42 16 13-0017 EA 24" x 18" Enameled Cast Iron Countertop Lavatory (Kohler® Thoreau®).....	670.16	81.67
22 42 16 13-0018 Undercounter Lavatories (22 42 16 13-0001)		
22 42 16 13-0019 EA 15" x 12" Vitreous China Undercounter Lavatory (American Standard Ovalyn™).....	466.37	75.60

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22 40 Plumbing Fixtures
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0020 EA 17" x 14" Vitreous China Undercounter Lavatory (American Standard Ovalyn™)	436.03	75.60
22 42 16 13-0021 EA 19" x 16" Vitreous China Undercounter Lavatory (American Standard Ovalyn™)	436.03	75.60
22 42 16 13-0022 EA 21" x 17" Vitreous China Undercounter Lavatory (American Standard Ovalyn™)	472.82	75.60
22 42 16 13-0023 EA 15" x 12" Oval Vitreous China Undercounter Lavatory (Kohler® Caxton®)	449.61	75.60
22 42 16 13-0024 EA 17" x 14" Oval Vitreous China Undercounter Lavatory (Kohler® Caxton®)	444.02	75.60
22 42 16 13-0025 EA 19" x 15" Oval Vitreous China Undercounter Lavatory (Kohler® Caxton®)	449.71	75.60
22 42 16 13-0026 EA 18" x 12" Rectangular Vitreous China Undercounter Lavatory (Kohler® Ladena®)	575.33	75.60
22 42 16 13-0027 EA 21" x 14" Rectangular Vitreous China Undercounter Lavatory (Kohler® Ladena®)	575.33	75.60
22 42 16 13-0028 Pedestal Lavatories (22 42 16 13-0001)		
22 42 16 13-0029 EA 19" x 24" x 35" High Vitreous China Pedestal Sink (American Standard Cadet™)	596.38	179.68
22 42 16 13-0030 Cultured Marble Vanity Tops (22 42 16 13-0001)		
Note: Includes predrilled holes for faucet.		
22 42 16 13-0031 EA 25" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	385.25	70.01
22 42 16 13-0032 EA 31" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	444.76	74.67
22 42 16 13-0033 EA 37" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	555.11	79.33
22 42 16 13-0034 EA 49" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	800.80	84.00
22 42 16 13-0035 EA 25" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	422.21	70.01
22 42 16 13-0036 EA 31" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	455.17	74.67
22 42 16 13-0037 EA 37" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	616.58	79.33
22 42 16 13-0038 EA 43" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	680.45	81.67
22 42 16 13-0039 EA 49" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	774.80	84.00
22 42 16 13-0040 Quartz Vanity Tops (22 42 16 13-0001)		
Note: Includes predrilled holes for faucet.		
22 42 16 13-0041 EA 25" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	957.31	70.01
22 42 16 13-0042 EA 31" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	998.78	74.67
22 42 16 13-0043 EA 37" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	1,160.94	79.33
22 42 16 13-0044 EA 43" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	1,167.80	81.67
22 42 16 13-0045 EA 49" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	1,283.46	84.00
22 42 16 13-0046 EA 61" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks	1,757.48	88.67
22 42 16 13-0047 EA 73" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks	2,093.94	93.32
22 42 16 13-0048 EA 22" End Splash For Quartz Vanity Tops	58.15	
22 42 16 13-0049 Solid Surface Vanity Tops (22 42 16 13-0001)		
Note: Includes predrilled holes for faucet.		
22 42 16 13-0050 EA 25" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	784.24	70.01
22 42 16 13-0051 EA 31" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	889.74	74.67
22 42 16 13-0052 EA 37" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,010.06	79.33
22 42 16 13-0053 EA 43" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,122.00	81.67
22 42 16 13-0054 EA 49" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,224.10	84.00
22 42 16 13-0055 EA 55" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,359.49	86.34
22 42 16 13-0056 EA 61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,526.19	88.67
22 42 16 13-0057 EA 61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks	1,568.22	88.67
22 42 16 13-0058 EA 73" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks	1,698.38	93.32
22 42 16 13-0059 EA 22" End Splash For Solid Surface Vanity Tops	87.65	
22 42 16 13-0060 Solid Surface Multi-Station Lavatory Systems (22 42 16 13-0001)		
Note: ADA compliant. Includes integral faucets.		
22 42 16 13-0061 EA 2 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-2)	4,442.93	133.13
For Integral Liquid Soap Dispenser, Add		171.00
For Integral Photovoltaic Power Panels, Add		563.00
22 42 16 13-0062 EA 3 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-3)	6,493.43	133.13
For Integral Liquid Soap Dispenser, Add		171.00
For Integral Photovoltaic Power Panels, Add		657.00
22 42 16 13-0063 EA 12" Length, Solid Surface Countertop Extension (Bradley MG-EXT-12)	312.39	44.38
22 42 16 13-0064 EA 18" Length, Solid Surface Countertop Extension (Bradley MG-EXT-18)	383.10	44.38
22 42 16 13-0065 EA 36" Length, Solid Surface Countertop Extension (Bradley MG-EXT-36)	743.22	44.38
22 42 16 13-0066 Stainless Steel Lavatories (22 42 16 13-0001)		
22 42 16 13-0067 EA 18" x 15" Wall Mounted Lavatory, Stainless Steel (Acorn 1950-1)	1,883.49	163.35
22 42 16 13-0068 Lavatory Carriers (22 42 16 13)		
22 42 16 13-0069 Floor Mounted, Lavatory Carriers (22 42 16 13-0068)		
22 42 16 13-0070 Floor Mounted Plate Type, Lavatory Carriers (22 42 16 13-0069)		
Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 16 13-0071 EA Floor Mounted Hanger Plate Type, Single Lavatory Carrier	400.54	35.47
For Up To 4" Extension Sleeves And Hardware, Add		18.77
For Valve Plate For Attaching To Upright, Add		68.02
For Corner Carrier, Add		132.49



Plumbing			22
Plumbing Fixtures			22 40
Commercial Plumbing Fixtures			22 42

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0072	EA	Floor Mounted Bearing Plate Type, Single Lavatory Carrier For Up To 4" Extension Sleeves And Hardware, Add For Valve Plate For Attaching To Upright, Add	434.50 18.77 68.02	35.47
22 42 16 13-0073	EA	Floor Mounted Hanger Plate Type, Double Lavatory (Back To Back) Carrier For Up To 4" Extension Sleeves And Hardware, Add For Valve Plate For Attaching To Upright, Add	494.38 37.53 136.05	35.47
22 42 16 13-0074	EA	Floor Mounted Bearing Plate Type, Double Lavatory (Back To Back) Carrier For Up To 4" Extension Sleeves And Hardware, Add For Valve Plate For Attaching To Upright, Add	563.20 37.53 136.05	35.47
22 42 16 13-0075		Floor Mounted, Lavatory Carriers With Arms (22 42 16 13-0069) Note: Includes leveling and securing screws, structural uprights and welded feet.		
22 42 16 13-0076	EA	Floor Mounted, Single Lavatory Carrier With Concealed Arms For Up To 6-1/2" Extension Sleeves And Hardware, Add For Concealed Arm Carrier For Wheelchair Lavatory, Add For Valve Plate For Attaching To Upright, Add For 2" Chrome Plated Escutcheons, Add For 4" Or 6" Chrome Plated Escutcheons, Add	513.04 18.77 25.92 69.88 63.45 115.29	42.00
22 42 16 13-0077	EA	Floor Mounted, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms For Up To 4-1/2" Extension Sleeves And Hardware, Add For Vandal Proof Trim, Add For Valve Plate For Attaching To Upright, Add For Heavy Duty Carrier, Add	677.49 18.77 50.95 69.88 65.24	42.00
22 42 16 13-0078	EA	Floor Mounted, Double Lavatory (Back To Back) Carrier With Concealed Arms For Up To 6-1/2" Extension Sleeves And Hardware, Add For Concealed Arm Carrier For Wheelchair Lavatory, Add For Valve Plate For Attaching To Upright, Add For 2" Chrome Plated Escutcheons, Add For 4" Or 6" Chrome Plated Escutcheons, Add	676.59 37.53 51.84 139.78 126.91 230.59	42.00
22 42 16 13-0079	EA	Floor Mounted, Double Lavatory (Back To Back) Carrier With Exposed Acid Resistant White Coated Arms For Up To 4-1/2" Extension Sleeves And Hardware, Add For Vandal Proof Trim, Add For Valve Plate For Attaching To Upright, Add For Heavy Duty Carrier, Add	991.20 37.53 101.90 139.78 130.48	42.00
22 42 16 13-0080		Wall Mounted, Lavatory Carriers (22 42 16 13-0068)		
22 42 16 13-0081		Wall Mounted Plate Type, Lavatory Carriers (22 42 16 13-0080) Note: Includes wall plate and adjustable supporting rods.		
22 42 16 13-0082	EA	Wall Mounted Hanger Plate Type, Single Lavatory Carrier For Double Plate Carrier, Add	188.72 53.77	35.47
22 42 16 13-0083		Wall Mounted Plate Type, Lavatory Carriers With Arms (22 42 16 13-0080) Note: Includes wall plate and leveling and securing screws.		
22 42 16 13-0084	EA	Wall Mounted Fixed Steel Plate Type, Single Lavatory Carrier With Concealed Arms For Up To 4" Extension Sleeves And Hardware, Add For 2" Chrome Plated Escutcheons, Add	304.80 18.77 63.45	42.00
22 42 16 13-0085	EA	Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Concealed Arms For Movable Mounting Brackets, Deduct For Up To 4" Extension Sleeves And Hardware, Add For 2" Chrome Plated Escutcheons, Add For 4" Or 6" Chrome Plated Escutcheons, Add	354.85 -48.25 18.77 63.45 115.29	42.00
22 42 16 13-0086	EA	Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms For Up To 4-1/2" Extension Sleeves And Hardware, Add For Vandal Proof Trim, Add	509.47 18.77 50.95	42.00
22 42 16 13-0087		Removal And Reinstallation Of Lavatory And Trim (22 42 16 13) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 13-0088	EA	Removal And Reinstallation Of Wall Hung Lavatory With Faucet	274.53	
22 42 16 16		Commercial Sinks (22 42 16)		
22 42 16 16-0001		Sinks (22 42 16 16) Note: Includes drain, trap and supply valves. Excludes faucets.		
22 42 16 16-0002		Kitchen Sinks (22 42 16 16-0001)		
22 42 16 16-0003	EA	25" x 22" x 8-3/4" Enameled Cast Iron Kitchen Sink, Single Bowl (Kohler® Mayfield®)	635.77	87.74
22 42 16 16-0004	EA	22" x 33" x 9-5/8" Enameled Cast Iron Kitchen Sink, Double Bowl (Kohler® Brookfield®)	826.82	99.88
22 42 16 16-0005	EA	15" x 17" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1517)	716.77	85.87
		For 18 Gauge, Add	183.38	
22 42 16 16-0006	EA	17" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1722)	733.22	85.87
		For 18 Gauge, Add	191.60	
22 42 16 16-0007	EA	22" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2222)	770.24	85.87
		For 18 Gauge, Add	210.11	
22 42 16 16-0008	EA	25" x 22" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2522)	806.12	87.74
		For 18 Gauge, Add	222.45	
22 42 16 16-0009	EA	31" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR3122)	1,003.54	99.88
		For 18 Gauge, Add	303.35	
22 42 16 16-0010	EA	33" x 21" x 7-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay PSR3321)	1,023.47	99.88
		For 18 Gauge, Add	313.14	

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 16-0011	EA	15" x 17" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR151710).....	983.45	85.87
22 42 16 16-0012	EA	17" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR172210).....	1,001.96	85.87
22 42 16 16-0013	EA	22" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR222210).....	1,048.58	85.87
22 42 16 16-0014	EA	25" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR252210).....	1,113.94	87.74
22 42 16 16-0015	EA	31" x 22" x 11-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR312210).....	1,338.78	99.88
22 42 16 16-0016	EA	33" x 22" x 8" Stainless Steel Kitchen Sink, Double Bowl, 18 Gauge (Elkay LR3322).....	1,286.04	99.88
22 42 16 16-0017		Undermount Kitchen Sinks (22 42 16 16-0001)		
22 42 16 16-0018	EA	21" x 15" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU2115) With Strainer (Elkay LK99).....	884.68	85.87
22 42 16 16-0019	EA	21" x 15" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU211510) With Strainer (Elkay LK99).....	882.67	85.87
22 42 16 16-0020	EA	21" x 15" x 7-1/2" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH2115) With Strainer (Elkay LK99).....	891.53	85.87
22 42 16 16-0021	EA	21" x 15" x 10" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH211510) With Strainer (Elkay LK99).....	938.15	85.87
22 42 16 16-0022	EA	21" x 15-3/4" x 4-3/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHAD2115) With Strainer (Elkay LK99)..... Note: Available in 4-1/2", 5, or 5-1/2" depths.	908.67	85.87
22 42 16 16-0023	EA	25" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF2520) With Strainer (Elkay LK99).....	1,028.15	85.87
22 42 16 16-0024	EA	32" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF3320) With Strainer (Elkay LK99).....	1,206.79	85.87
22 42 16 16-0025	EA	21" x 18" x 5-1/2" Deep, Single Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. US-ADA-1821-A).....	736.12	85.87
22 42 16 16-0026	EA	32" x 18" x 5-1/2" Deep, Two Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. UD-ADA-1832-A).....	936.70	85.87
22 42 16 16-0027		Multi-Station Wash Sink, Wall Mounted (22 42 16 16-0001)		
		Note: Includes concealed wall hanger, soap dish(s), strainer, supply lines and P-Trap. Excludes faucets.		
22 42 16 16-0028	EA	36" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	1,771.78	151.68
		Note: Excludes faucets.		
22 42 16 16-0029	EA	48" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	2,363.46	163.35
		Note: Excludes faucets.		
22 42 16 16-0030	EA	60" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	2,715.62	175.01
		Note: Excludes faucets.		
22 42 16 16-0031	EA	48" Wide, 2 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	1,772.19	116.68
		Note: Excludes faucets.		
22 42 16 16-0032	EA	62" Wide, 3 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	1,965.60	128.34
		Note: Excludes faucets.		
22 42 16 16-0033	EA	80" Wide, 4 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	2,155.31	140.01
		Note: Excludes faucets.		
22 42 16 16-0034	EA	102" Wide, 5 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	2,392.31	157.51
		Note: Excludes faucets.		
22 42 16 16-0035	EA	27" Diameter, 2 Person, Stainless Steel, Sensor Operated Compact Wash Fountain.....	2,278.26	256.69
		Note: Includes sensor operated spray heads.		
22 42 16 16-0036		Utility Or Laundry Sinks (22 42 16 16-0001)		
22 42 16 16-0037	EA	23" x 21" Molded Stone Single Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FL-1).....	576.98	99.88
22 42 16 16-0038	EA	40" x 24" Molded Stone Double Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FLTD-II).....	670.21	99.88
22 42 16 16-0039	EA	22" x 17" Molded Stone Single Laundry Sink, Drop-In (Fiat Products DL1).....	575.18	99.88
22 42 16 16-0040	EA	24" x 21" Enameled Cast Iron Single Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2210).....	904.69	99.88
22 42 16 16-0041	EA	48" x 21" Enameled Cast Iron Double Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2220).....	1,301.17	112.01
22 42 16 16-0042		Refinish Sink/Lavatory (22 42 16 16-0001)		
22 42 16 16-0043	EA	Refinish Sink/Lavatory.....	219.09	
22 42 16 16-0044		Service Sinks (22 42 16 16-0001)		
22 42 16 16-0045	EA	22" x 18" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Lakewell™).....	920.33	150.28
22 42 16 16-0046	EA	24" x 20" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Akron™).....	971.19	150.28
22 42 16 16-0047	EA	28" x 28" Enameled Cast Iron Floor Type Corner Service Sink With Removable Vinyl Coated Rim Guard (American Standard Florwell™).....	1,228.39	198.81
22 42 16 16-0048	EA	12" x 12" x 10" Cast Iron Floor Sink With Dome Strainer And Full Grate (Zurn FD2377-PO3-F).....	507.04	140.01
22 42 16 16-0049	EA	24" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB2424).....	588.23	140.01
22 42 16 16-0050	EA	36" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB3624).....	648.79	168.01
22 42 16 16-0051	EA	24" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2424-010).....	567.51	140.01
22 42 16 16-0052	EA	36" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2436-010).....	643.40	168.01
22 42 16 16-0053	EA	24" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-24).....	701.09	140.01
22 42 16 16-0054	EA	36" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-3624).....	863.13	168.01
22 42 16 16-0055		Soapstone Sinks (22 42 16 16-0001)		
22 42 16 16-0056	EA	26-1/2" x 18-1/2" x 7-3/4" Single Bowl Soapstone Sink.....	1,005.39	85.87



Plumbing		22
Plumbing Fixtures		22 40
Commercial Plumbing Fixtures		22 42

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MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 16-0057	SF	Soapstone Sink Backsplash.....	161.92	
22 42 16 16-0058	EA	30" x 18-1/2" x 10" Single Bowl Soapstone Sink.....	1,284.75	99.88
22 42 16 16-0059	EA	36" x 18-1/2" x 10" Double Bowl Soapstone Sink	1,508.45	99.88
22 42 16 16-0060 Stainless Steel Sink And Drainboard (22 42 16 16-0001)				
22 42 16 16-0061	EA	Stainless Steel Sink With One 24" x 24" x 14" Depth Compartment And Drainboard, 14 Gauge Stainless Steel With Tubular Adjustable Legs (Advance Tabco 94-41-24-24L)	2,899.79	233.35
22 42 16 16-0062 Sink Carriers (22 42 16 16)				
22 42 16 16-0063 Floor Mounted, Sink Carriers (22 42 16 16-0062)				
Note: With support plates, adjustable coupling with 4" piping connection, mounting studs, structural uprights, welded feet and chrome plated trim.				
22 42 16 16-0064	EA	Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling	574.82	35.47
For Vandal Proof Trim, Add			50.95	
For Valve Plate For Attaching To Upright, Add			68.02	
22 42 16 16-0065	EA	Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling And 4" x 2" Waste Fitting.....	881.37	35.47
For Vandal Proof Trim, Add			50.95	
For Auxiliary Vent, Add			152.94	
22 42 16 16-0066	EA	Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With Exposed Acid Resistant White Coated Arms	1,099.46	35.47
For Up To 4" Extension Sleeves And Hardware, Add			38.43	
For Vandal Proof Trim, Add			50.95	
22 42 16 16-0067 Removal And Reinstallation Of Sink And Trim (22 42 16 16)				
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.				
22 42 16 16-0068	EA	Removal And Reinstallation Of Wall Hung Service Sink With Faucet.....	376.37	
22 42 19 Commercial Bathtubs (22 42)				
22 42 19 00-0001 Recessed Alcove Bathtubs (22 42 19)				
22 42 19 00-0002 Porcelain Enameled Cast Iron, Recessed Alcove Bathtubs (22 42 19 00-0001)				
22 42 19 00-0003	EA	54" x 30-1/4" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Seaforth™).....	1,395.07	259.48
22 42 19 00-0004	EA	60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Mendota®).....	1,194.81	259.48
22 42 19 00-0005	EA	60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®).....	1,400.09	259.48
22 42 19 00-0006	EA	66" x 32" x 17", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Bellwether®).....	1,802.86	259.48
22 42 19 00-0007 Porcelain Enameled Steel, Recessed Alcove Bathtubs (22 42 19 00-0001)				
22 42 19 00-0008	EA	60" x 30" x 14-1/4", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Salem®).....	616.26	259.48
22 42 19 00-0009	EA	60" x 30" x 16-5/8", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Solar®)	630.60	259.48
22 42 19 00-0010 Porcelain Finished Metal Alloy, Recessed Alcove Bathtubs (22 42 19 00-0001)				
22 42 19 00-0011	EA	60" x 32" x 17-3/4", Porcelain Finished Metal Alloy, Recessed Alcove Bathtub (American Standard Cambridge™).....	912.92	259.48
22 42 19 00-0012 Acrylic, Recessed Alcove Bathtubs (22 42 19 00-0001)				
22 42 19 00-0013	EA	60" x 32" x 19", Acrylic, Recessed Alcove Bathtub (Kohler® Archer®).....	940.04	259.48
22 42 19 00-0014	EA	60" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,113.42	259.48
22 42 19 00-0015	EA	66" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,135.81	259.48
22 42 19 00-0016	EA	72" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,122.05	259.48
22 42 19 00-0017	EA	72" x 42" x 21", Acrylic, Recessed Alcove Bathtub (Kohler® Windward®)	1,171.56	259.48
22 42 19 00-0018 Bathtub Refinishing (22 42 19 00-0001)				
22 42 19 00-0019	EA	Refinish Porcelain Finished Bathtub With Acrylic Urethane Enamel	504.02	
22 42 19 00-0020 Tub And Shower Combinations (22 42 19)				
22 42 19 00-0021 Acrylic Tub And Shower Combination (22 42 19 00-0020)				
22 42 19 00-0022	EA	1 Piece, 60" x 32" x 72" Acrylic Tub And Shower (Delta 226032).....	920.14	95.85
For 2 Piece Enclosure, Deduct			-203.26	
22 42 19 00-0023 Fiberglass Tub And Shower Combination (22 42 19 00-0020)				
22 42 19 00-0024	EA	1 Piece 60" x 32" x 72" Fiberglass Tub And Shower (Aquatic 2603-SG).....	779.15	95.85
22 42 19 00-0025	EA	2 Piece 60" x 30" x 72" Fiberglass Tub And Shower (Aquatic 2603-2P).....	619.40	63.90
22 42 19 00-0026	EA	4 Piece 60" x 32" x 75-1/2" Fiberglass Tub And Shower (Aquatic 26030-4P).....	1,235.48	144.67
22 42 19 00-0027	EA	3 Piece Tub/Shower Surrounds, 32" x 72" Side Walls, 48" x 72" Back, (Swanstone SK-324872).....	2,308.55	285.05
For 2 Piece Enclosure, Deduct			-483.31	

22 42 23 Commercial Showers (22 42)

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 42 23 00-0001	Shower Enclosures (22 42 23)		
Note: Includes precast concrete receptors. Excludes plumbing hook-up and door or curtain.			
22 42 23 00-0002	Powder Coated Or Baked Enamel Steel Shower Enclosure (22 42 23 00-0001)		
22 42 23 00-0003	EA 32" x 32" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,184.12	150.55
22 42 23 00-0004	EA 36" x 36" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,184.12	150.55
22 42 23 00-0005	EA 40" x 40" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,749.25	150.55
22 42 23 00-0006	EA 40" x 48" x 82" Handicapped, Baked Enamel Steel Shower Enclosure (General Partitions)	1,917.03	150.55
22 42 23 00-0007	Solid Plastic Core High Density Polymer (HDP) Shower Enclosure (22 42 23 00-0001)		
22 42 23 00-0008	EA 32" x 32" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	1,899.37	150.55
22 42 23 00-0009	EA 36" x 36" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	1,899.37	150.55
22 42 23 00-0010	EA 40" x 40" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	2,694.08	150.55
22 42 23 00-0011	EA 40" x 48" x 82" Handicapped, Solid Plastic Shower Enclosure (General Partitions)	3,003.14	150.55
22 42 23 00-0012	Composite Fiberglass Shower Enclosure, 4 Piece Knock-Down (22 42 23 00-0001)		
22 42 23 00-0013	EA 32" x 32" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3232CS)	1,004.92	150.55
22 42 23 00-0014	EA 36" x 36" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3636CS)	1,031.03	150.55
22 42 23 00-0015	EA 34" x 48" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 4834CS)	1,057.15	150.55
22 42 23 00-0016	EA 30" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6030CSL)	1,109.38	150.55
22 42 23 00-0017	EA 34" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6034CS)	1,178.58	150.55
22 42 23 00-0018	1 Piece Shower Units (22 42 23)		
22 42 23 00-0019	EA 1 Piece, 32" x 32" x 73" Fiberglass Shower With Drain (Swanstone FS03232)	869.42	95.85
22 42 23 00-0020	EA 1 Piece, 36" x 36" x 73" Fiberglass Shower With Drain (Swanstone FS03636)	965.20	95.85
22 42 23 00-0021	Personnel Type Shower Receptors (22 42 23)		
22 42 23 00-0022	Acrylic Shower Receptors (22 42 23 00-0021)		
22 42 23 00-0023	EA 36" x 36" Acrylic Shower Receptor	406.40	38.01
22 42 23 00-0024	EA 42" x 42" Acrylic Shower Receptor	429.73	38.01
22 42 23 00-0025	EA 48" x 48" Acrylic Shower Receptor	476.32	38.01
22 42 23 00-0026	EA 60" x 60" Acrylic Shower Receptor	579.32	45.61
22 42 23 00-0027	EA 48" x 32" Acrylic Shower Receptor	407.50	38.01
22 42 23 00-0028	EA 48" x 36" Acrylic Shower Receptor	438.18	38.01
22 42 23 00-0029	EA 48" x 42" Acrylic Shower Receptor	495.26	38.01
22 42 23 00-0030	EA 60" x 32" Acrylic Shower Receptor	550.29	45.61
22 42 23 00-0031	EA 60" x 36" Acrylic Shower Receptor	554.24	45.61
22 42 23 00-0032	EA 60" x 42" Acrylic Shower Receptor	557.86	45.61
22 42 23 00-0033	EA 60" x 48" Acrylic Shower Receptor	614.57	45.61
22 42 23 00-0034	EA 36" x 36" Acrylic Corner Shower Receptor	593.40	38.01
22 42 23 00-0035	EA 42" x 42" Acrylic Corner Shower Receptor	681.45	38.01
22 42 23 00-0036	Molded Stone Shower Receptors (22 42 23 00-0021)		
22 42 23 00-0037	EA 32" x 32" Molded Stone Shower Receptor (Fiat 32WL)	270.75	38.01
22 42 23 00-0038	EA 34" x 34" Molded Stone Shower Receptor (Fiat 34WL)	283.91	38.01
22 42 23 00-0039	EA 36" x 36" Molded Stone Shower Receptor (Fiat 36WL)	285.37	38.01
22 42 23 00-0040	EA 42" x 42" Molded Stone Shower Receptor (Fiat 4242WL)	350.46	38.01
22 42 23 00-0041	EA 42" x 34" Molded Stone Shower Receptor (Fiat 42WL)	310.97	38.01
22 42 23 00-0042	EA 48" x 32" Molded Stone Shower Receptor (Fiat 4832WL)	329.25	38.01
22 42 23 00-0043	EA 48" x 34" Molded Stone Shower Receptor (Fiat 48WL)	331.45	38.01
22 42 23 00-0044	EA 54" x 34" Molded Stone Shower Receptor (Fiat 54WL)	383.84	45.61
22 42 23 00-0045	EA 60" x 34" Molded Stone Shower Receptor (Fiat 60WL)	397.74	45.61
22 42 23 00-0046	EA 36" x 36" Molded Stone Corner Shower Receptor (Fiat 36WLC)	314.63	38.01
22 42 23 00-0047	EA 38" x 38" Molded Stone Corner Shower Receptor (Fiat 38WLC)	322.67	38.01
22 42 23 00-0048	Precast Terrazzo Shower Receptors (22 42 23 00-0021)		
22 42 23 00-0049	EA 30" x 30" Precast Terrazzo Shower Receptor	509.15	38.01
22 42 23 00-0050	EA 32" x 32" Precast Terrazzo Shower Receptor	528.90	38.01
22 42 23 00-0051	EA 34" x 34" Precast Terrazzo Shower Receptor	547.18	38.01
22 42 23 00-0052	EA 36" x 36" Precast Terrazzo Shower Receptor	549.37	38.01
22 42 23 00-0053	EA 40" x 40" Precast Terrazzo Shower Receptor	601.30	38.01
22 42 23 00-0054	EA 42" x 42" Precast Terrazzo Shower Receptor	627.62	38.01
22 42 23 00-0055	EA 48" x 48" Precast Terrazzo Shower Receptor	882.12	38.01
22 42 23 00-0056	EA 36" x 32" Precast Terrazzo Shower Receptor	542.79	38.01
22 42 23 00-0057	EA 42" x 32" Precast Terrazzo Shower Receptor	553.27	38.01
22 42 23 00-0058	EA 42" x 34" Precast Terrazzo Shower Receptor	572.04	38.01
22 42 23 00-0059	EA 42" x 36" Precast Terrazzo Shower Receptor	595.45	38.01
22 42 23 00-0060	EA 32" x 48" Precast Terrazzo Shower Receptor	597.64	38.01
22 42 23 00-0061	EA 48" x 34" Precast Terrazzo Shower Receptor	627.62	38.01
22 42 23 00-0062	EA 54" x 32" Precast Terrazzo Shower Receptor	657.61	38.01
22 42 23 00-0063	EA 60" x 30" Precast Terrazzo Shower Receptor	888.91	45.61
22 42 23 00-0064	EA 60" x 32" Precast Terrazzo Shower Receptor	971.88	45.61
22 42 23 00-0065	EA 60" x 34" Precast Terrazzo Shower Receptor	975.96	45.61



Plumbing			22
Plumbing Fixtures			22 40
Commercial Plumbing Fixtures			22 42

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 23 00-0066	EA	60" x 36" Precast Terrazzo Shower Receptor.....	980.00	45.61
22 42 23 00-0067	EA	32" x 32" Precast Terrazzo Corner Shower Receptor.....	552.30	38.01
22 42 23 00-0068	EA	34" x 34" Precast Terrazzo Corner Shower Receptor.....	553.27	38.01
22 42 23 00-0069	EA	36" x 36" Precast Terrazzo Corner Shower Receptor.....	555.22	38.01
22 42 23 00-0070	EA	40" x 40" Precast Terrazzo Corner Shower Receptor.....	665.65	38.01
22 42 23 00-0071	EA	36" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor.....	1,210.47	38.01
22 42 23 00-0072	EA	60" x 30", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor.....	1,347.70	45.61
22 42 23 00-0073	EA	60" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor.....	1,404.74	45.61
22 42 23 00-0074 Shower Receptors Accessories (22 42 23 00-0021)				
22 42 23 00-0075	SF	Polyvinyl Chloride (PVC) Shower Pan Liner.....	3.40	
22 42 23 00-0076 Removal And Reinstallation Of Fixtures And Trim (22 42 23)				
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.				
22 42 23 00-0077	EA	Removal And Reinstallation Of Shower Head.....	45.61	
22 42 33 Wash Fountains (22 42)				
22 42 33 00-0001 Circular Wash Fountain, Deep Bowl (22 42 33)				
Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.				
22 42 33 00-0002	EA	36" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2705F-A-LSDE).....	7,428.96	155.32
		For Metal Soap Dispenser, Add.....	100.00	
		For Stainless Steel Pedestal Panels, Add.....	100.00	
22 42 33 00-0003	EA	36" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2805F-A-LSDE).....	4,697.69	155.32
		For Metal Soap Dispenser, Add.....	100.00	
		For Stainless Steel Pedestal Panels, Add.....	100.00	
22 42 33 00-0004	EA	36" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3105AIRLSDE).....	8,162.10	155.32
		For Metal Soap Dispenser, Add.....	100.00	
		For Stainless Steel Pedestal Panels, Add.....	100.00	
22 42 33 00-0005	EA	54" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2708F-A-LSDE).....	9,463.38	177.50
		For Metal Soap Dispenser, Add.....	100.00	
		For Stainless Steel Pedestal Panels, Add.....	100.00	
22 42 33 00-0006	EA	54" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2808F-A-LSDE).....	5,420.57	177.50
		For Metal Soap Dispenser, Add.....	100.00	
		For Stainless Steel Pedestal Panels, Add.....	100.00	
22 42 33 00-0007	EA	54" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3108AIRLSDE).....	9,781.12	177.50
		For Metal Soap Dispenser, Add.....	100.00	
		For Stainless Steel Pedestal Panels, Add.....	100.00	
22 42 33 00-0008 Semi-Circular Wash Fountain, Deep Bowl (22 42 33)				
Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.				
22 42 33 00-0009	EA	36" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2703F-A-LSDE).....	6,481.09	133.13
		For Metal Soap Dispenser, Add.....	100.00	
		For Stainless Steel Pedestal Panels, Add.....	100.00	
22 42 33 00-0010	EA	36" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2803F-A-LSDE).....	4,290.33	133.13
		For Metal Soap Dispenser, Add.....	100.00	
		For Stainless Steel Pedestal Panels, Add.....	100.00	
22 42 33 00-0011	EA	36" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3103AIRLSDE).....	6,186.36	133.13
		For Metal Soap Dispenser, Add.....	100.00	
		For Stainless Steel Pedestal Panels, Add.....	100.00	
22 42 33 00-0012	EA	54" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2704F-A-LSDE).....	7,950.68	155.32
		For Metal Soap Dispenser, Add.....	100.00	
		For Stainless Steel Pedestal Panels, Add.....	100.00	
22 42 33 00-0013	EA	54" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2804F-A-LSDE).....	5,177.74	155.32
		For Metal Soap Dispenser, Add.....	100.00	
		For Stainless Steel Pedestal Panels, Add.....	100.00	
22 42 33 00-0014	EA	54" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3104AIRLSDE).....	7,359.63	155.32
		For Metal Soap Dispenser, Add.....	100.00	
		For Stainless Steel Pedestal Panels, Add.....	100.00	
22 42 39 Commercial Faucets, Supplies, and Trim (22 42)				
22 42 39 00-0001 Kitchen Faucets (22 42 39)				
22 42 39 00-0002	EA	Top Cast Kitchen Faucet, Single Handle, Chrome Finish (Delta 140-DST).....	161.35	46.67
22 42 39 00-0003	EA	Top Cast Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 440-DST).....	180.44	46.67
22 42 39 00-0004	EA	Top Cast Kitchen Faucet, Single Handle, Stainless Steel Finish (Delta 140-SS-DST).....	161.57	46.67
22 42 39 00-0005	EA	Top Cast Kitchen Faucet With Spray, Single Handle, Stainless Steel Finish (Delta 440-SS-DST).....	180.77	46.67

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0006 EA Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2102LF-LHP+H24).....	151.26	46.67
22 42 39 00-0007 EA Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2402LF-LHP+H24).....	164.71	46.67
22 42 39 00-0008 EA Top Cast Kitchen Faucet, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21987LF).....	210.04	46.67
22 42 39 00-0009 EA Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21996LF).....	153.15	46.67
22 42 39 00-0010 EA Bottom Mount Kitchen Faucet, Single Handle, Chrome Finish (Delta 101LF-WF).....	148.06	46.67
22 42 39 00-0011 EA Bottom Mount Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 175LF-WF).....	172.95	46.67
22 42 39 00-0012 EA Bottom Mount Kitchen Faucet, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2274-LHP+H24).....	288.25	46.67
22 42 39 00-0013 EA Bottom Mount Kitchen Faucet With Spray, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2276-LHP+H24).....	314.99	46.67
22 42 39 00-0014 EA Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 1100 ABCP).....	298.57	50.68
22 42 39 00-0015 EA Deck Mount Sink Faucet, 8" Center Set, 4" Wristblade Handles (Chicago Faucet 1100-GN2AE3-317CP).....	297.26	50.68
22 42 39 00-0016 EA Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 802-317CP).....	225.33	50.68
22 42 39 00-0017 EA Chrome Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041CR).....	501.59	46.67
22 42 39 00-0018 EA Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041NK).....	631.31	46.67
22 42 39 00-0019 EA Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041RB).....	674.55	46.67
22 42 39 00-0020 EA Chrome Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041CR).....	501.59	46.67
22 42 39 00-0021 EA Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041NK).....	631.31	46.67
22 42 39 00-0022 EA Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041RB).....	674.55	46.67
22 42 39 00-0023 Lavatory Faucets (22 42 39)		
22 42 39 00-0024 EA Single Handle Centerset Lavatory Faucet, Polished Chrome Finish (Delta Lahara 538-MPU-DST).....	189.70	33.60
22 42 39 00-0025 EA 4" Centerset Lavatory Faucet With Chrome Lever Handle (Delta 501LF-WF).....	134.48	33.60
22 42 39 00-0026 EA 4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2523LF-MPU).....	164.69	33.60
22 42 39 00-0027 EA 4" Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2529LF-HDM).....	179.75	33.60
22 42 39 00-0028 EA Classic Style Widespread Lavatory Faucet With Chrome Lever Handles (Delta 3530LF-MPU).....	218.66	33.60
22 42 39 00-0029 EA Widespread Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 3579LF-WFHD).....	253.22	33.60
22 42 39 00-0030 EA Self Closing/Metered Faucet, Brass, Single Hole, Push Handle (Delta 86T104).....	158.19	33.60
22 42 39 00-0031 EA Self Closing/Metered Faucet, Double Hole, Push Handles (American Standard 1340.225.002).....	235.98	33.60
22 42 39 00-0032 EA Single Inlet, Push Handle Metering Faucet, ADA (Chicago Faucet 333-665).....	172.64	33.60
22 42 39 00-0033 EA 3" Reach, 4-Arm Handle Single Basin Faucet (T&S Brass 0710).....	176.43	33.60
22 42 39 00-0034 EA 3" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0712).....	211.13	33.60
22 42 39 00-0035 EA 4" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0805).....	207.03	33.60
22 42 39 00-0036 EA 4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Zum Z81104).....	170.83	33.60
22 42 39 00-0037 Bath And Shower Faucets (22 42 39)		
22 42 39 00-0038 Bath And Shower Faucets With Valve Body (22 42 39 00-0037)		
22 42 39 00-0039 EA Single Lever Handle Chrome Tub Filler, Pressure-Balance (American Standard T480.500).....	178.30	40.51
22 42 39 00-0040 EA Single Lever Handle, Chrome Shower Only, Pressure-Balance (American Standard T480.501).....	206.79	40.51
22 42 39 00-0041 EA Single Lever Handle, Chrome Shower And Tub Filler, Pressure-Balance (American Standard T480.502).....	225.06	40.51
22 42 39 00-0042 EA Two Lever Handle, Chrome Tub Filler (American Standard Colony Soft 3275.505).....	165.88	40.51
For Faucet With Metal Cross Handles, Add	45.75	
22 42 39 00-0043 EA Two Lever Handle, Chrome Shower Only (American Standard Colony Soft 3275.501).....	173.18	40.51
For Faucet With Metal Cross Handles, Add	45.75	
22 42 39 00-0044 EA Two Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3275.502).....	194.37	40.51
For Faucet With Metal Cross Handles, Add	45.75	
22 42 39 00-0045 EA Three Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3375.502).....	218.48	40.51
For Faucet With Metal Cross Handles, Add	45.75	
22 42 39 00-0046 Shower Valves And Trim (22 42 39)		
See CSI section 22 41 39 00-0011 for residential shower valves and heads.		
22 42 39 00-0047 EA Removable Hand Held Shower With Hose Wall Hook And Inline Vacuum Breaker (Powers 141-318 with 141-319).....	296.81	63.01
22 42 39 00-0048 EA Concealed Thermostatic/Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 2502-600CP).....	631.21	63.01
22 42 39 00-0049 EA Concealed Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 1762-ISCP).....	447.00	63.01
22 42 39 00-0050 EA Senior Institutional Shower Head (Symmons® 4-150).....	173.73	40.51
22 42 39 00-0051 EA Universal Institutional Shower Head (Symmons® 4-151).....	282.52	40.51
22 42 39 00-0052 EA Fre-Flo Institutional Shower Head (Symmons® 4-295).....	202.37	40.51
22 42 39 00-0053 EA Fre-Flo Institutional Shower Head With Short Arm (Symmons® 4-385).....	155.47	40.51
22 42 39 00-0054 EA Wall Mounted Shower Valve And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-300-B30-V-X).....	628.27	60.67
22 42 39 00-0055 EA Wall Mounted Shower Valve, Tub Faucet, And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-400-B30-V-X).....	523.13	70.01
22 42 39 00-0056 EA Wall Mounted Shower Valve, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-500-B30-V-X).....	681.89	70.01
22 42 39 00-0057 EA Wall Mounted Shower Valve, Tub Faucet, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-600-B30-V-X).....	951.11	74.67
22 42 39 00-0058 EA Stainless Steel Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-801S/1-802S).....	864.73	63.01
For Hand Spray, Hose And Wall Hooks, Add	106.44	
For Recessed Soap Dish, Add	108.12	
For Hand Spray, Hose And 30" Slide Bar, Add	165.51	
For Pressure Balance And Metering Combination, Add	291.63	



Plumbing			22
Plumbing Fixtures			22 40
Commercial Plumbing Fixtures			22 42

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
22 42 39 00-0059	EA	Stainless Steel Corner Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-807).....	1,023.27	63.01
		For Hand Spray, Hose And Wall Hooks, Add	106.44	
		For Recessed Soap Dish, Add	108.12	
		For Hand Spray, Hose And 30" Slide Bar, Add	165.51	
		For Pressure Balance And Metering Combination, Add	291.63	
22 42 39 00-0060	EA	Stainless Steel Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S).....	704.91	63.01
		For Hand Spray, Hose And Wall Hooks, Add	19.32	
		For Hand Spray, Hose And 30" Slide Bar, Add	78.39	
		For Pressure Balance And Metering Combination, Add	291.63	
22 42 39 00-0061	EA	Stainless Steel Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-911RS).....	1,051.14	63.01
		For Pressure Balance And Metering Combination, Add	291.63	
22 42 39 00-0062	EA	Stainless Steel Double Outlet Institutional Shower System With Thru-Ceiling Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-902S-FS).....	1,125.78	63.01
		For Hand Spray, Hose And 30" Slide Bar, Add	59.07	
		For Pressure Balance And Metering Combination, Add	291.63	
22 42 39 00-0063	EA	Stainless Steel Institutional Triple Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-931).....	2,055.37	63.01
		For Recessed Soap Dish, Add	83.94	
		For Pressure Balance And Metering Combination, Add	227.79	
22 42 39 00-0064	EA	Stainless Steel Institutional Double Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-921).....	1,798.67	63.01
		For Recessed Soap Dish, Add	83.94	
		For Pressure Balance And Metering Combination, Add	291.63	
22 42 39 00-0065	EA	Stainless Steel Tub And Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-941-231).....	915.57	63.01
22 42 39 00-0066	EA	Stainless Steel Double Outlet Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Hand Spray, Hose, Wall Hooks, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-912RS-FS).....	1,391.79	63.01
		For Hand Spray, Hose And 30" Slide Bar, Add	59.07	
		For Pressure Balance And Metering Combination, Add	291.63	
22 42 39 00-0067	EA	Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-60).....	914.37	63.01
22 42 39 00-0068	EA	Stainless Steel Single Supply Single Outlet Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-22-FS).....	911.74	63.01
		For Hand Spray, Hose And 30" Slide Bar, Add	59.07	
22 42 39 00-0069	EA	Single Lever Handle, Chrome, Pressure-Balance, Shower System (Symmons SafetyMix 1-100-X-3/4).....	671.22	56.01
22 42 39 00-0070	EA	Single Lever Handle, Chrome, Pressure-Balance, Shower Valve (Symmons SafetyMix 4-500).....	516.61	40.51
22 42 39 00-0071	Service Sink Faucets (22 42 39)			
22 42 39 00-0072	EA	4-5/8" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (Kohler® Kinlock™).....	381.45	77.71
22 42 39 00-0073	EA	3" Spout, Wall Mount, Service Sink Faucet With Lever Handles (American Standard 8340.235).....	279.61	77.71
22 42 39 00-0074	EA	3" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (American Standard 8340.243).....	299.33	77.71
22 42 39 00-0075	EA	6" Spout With Vacuum Breaker And Top Brace, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8344.012).....	309.56	77.71
22 42 39 00-0076	EA	7-1/4" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.101).....	406.64	108.93
22 42 39 00-0077	EA	7-1/4" Spout With Vacuum Break And Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.110).....	456.28	124.14
22 42 39 00-0078	EA	11" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8345.115).....	520.57	124.14
22 42 39 00-0079	EA	Wall Mount Service Sink Faucet With Atmospheric Vacuum Breaker Spout, Lever Handles (Chicago Faucet 305-VBRFC).....	307.41	77.71
22 42 39 00-0080	EA	44" Flexible Stainless Steel Hose With Insulated Handle, 23" Riser, Pre-Rinse Faucet (Chicago Faucet 923-XKCAB).....	617.59	124.14
22 42 39 00-0081	Laboratory Faucets And Fittings (22 42 39)			
22 42 39 00-0082	EA	Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 927).....	155.26	33.05
22 42 39 00-0083	EA	Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 929).....	251.87	46.67
22 42 39 00-0084	EA	Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet With Vacuum Breaker (Chicago Faucet 930).....	322.18	46.67
22 42 39 00-0085	EA	Cold Wall Mount, Gooseneck Spout With Aerator, Laboratory Faucet (Chicago Faucet 933).....	202.71	43.58
22 42 39 00-0086	EA	6" Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940).....	276.39	62.16
22 42 39 00-0087	EA	6" Spout With Aerator And Vacuum Breaker, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940-VBE7-CP).....	368.06	62.16
22 42 39 00-0088	EA	Dual Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 946).....	293.48	46.67
22 42 39 00-0089	EA	Gooseneck Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 942).....	293.05	62.16
22 42 39 00-0090	EA	Single Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 350-CP).....	190.41	35.88
22 42 39 00-0091	EA	Dual Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 50-CP).....	268.33	50.68

22 Plumbing
22 40 Plumbing Fixtures
22 42 Commercial Plumbing Fixtures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0092 EA 4" Center Set, Deck Mount, Lavatory Faucet With Blade Handles (Chicago Faucet 802)	210.24	50.68
22 42 39 00-0093 EA 4" Center Set, Deck Mount, Gooseneck Sink Faucet With Blade Handles (Chicago Faucet 895-317CP)	253.35	50.68
22 42 39 00-0094 EA Gas Ball Valve, Removable Nozzle, With Index Button (Chicago Faucet 909-AGVCP)	171.51	31.17
22 42 39 00-0095 EA Dual Service Lab Fitting, Two Gas And One Water Outlet (Chicago Faucet 1332-CP)	403.76	56.01
22 42 39 00-0096 EA Dual Service Lab Fitting With Wristblade Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-317CP)	514.51	56.01
22 42 39 00-0097 EA Dual Service Lab Fitting With Metal Cross Handle, Inline Vacuum Breaker, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7-204CP)	615.41	56.01
22 42 39 00-0098 EA Dual Service Lab Fitting With Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332- E22E7CP)	546.12	56.01
22 42 39 00-0099 EA Dual Service Lab Fitting With Chemical Resistant Coating And Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7SAM)	647.16	56.01
22 42 39 00-0100 EA Single, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-131WSA)	113.62	30.80
22 42 39 00-0101 EA 90 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132AWSA)	157.11	36.96
22 42 39 00-0102 EA 180 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132SWSA)	157.11	36.96
22 42 39 00-0103 EA Three Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-133WSA)	200.59	43.12
22 42 39 00-0104 EA Four Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-134WSA)	244.06	49.28
22 42 39 00-0105 Gooseneck Faucets With Independent Eyewash (22 42 39)		
22 42 39 00-0106 EA Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA)	715.96	35.00
22 42 39 00-0107 EA Single Lever Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-SL)	775.73	32.67
22 42 39 00-0108 EA 8" Stem, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800- CA-8)	1,000.81	35.00
22 42 39 00-0109 EA Serrated Tip With Vacuum Breaker, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-ST)	1,056.88	35.00
22 42 39 00-0110 EA Thermostatic Mixing Valve Kit For The SEF-1800 (Speakman SEF-TW)	1,282.30	23.34
22 42 39 00-0111 EA Foot Pedal Activation, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-FP)	1,548.05	58.34
22 42 39 00-0112 EA Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-TW)	2,159.75	58.34
22 42 39 00-0113 EA 8" Stem, Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8TW)	2,231.12	58.34
22 42 39 00-0114 EA Adjustable Aerated Outlet Heads, Gooseneck Faucet Mounted Eyewash (WaterSaver EW101)	248.07	35.47
22 42 39 00-0115 EA Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW200)	272.49	35.47
22 42 39 00-0116 EA Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW201)	293.81	35.47
22 42 39 00-0117 EA 6 Gallon Capacity, Tempering Valve (WaterSaver AP3600)	1,275.67	23.34
22 42 39 00-0118 Bubblers And Glass Fillers (22 42 39)		
22 42 39 00-0119 EA Self-Closing Bubbler Faucet, Metering Handle (Chicago Faucet 748-665CP)	266.32	33.05
22 42 39 00-0120 EA Wall Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 313-CP)	241.60	43.58
22 42 39 00-0121 EA 7" Overall Outlet Height, Deck Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 709-CP)	262.82	33.05
22 42 39 00-0122 EA Wall Mount, Push Button Single Glass Filler (Chicago Faucet 324-CP)	170.46	47.33
22 42 39 00-0123 EA Deck Mount, Lever Handle Drinking Faucet (Haws 5054LF)	310.89	35.88
22 42 39 00-0124 EA Push Button Bubbler, 1/2" OD (Haws 5017LF)	314.90	35.88
22 42 39 00-0125 EA Push Button Bubbler, 3/8" NPT (Haws 5010-6427)	264.13	35.88
22 42 39 00-0126 Automatic Electronic Sensor Faucets (22 42 39)		
22 42 39 00-0127 EA Electronic Lavatory Faucet (American Standard 6055.205.002)	492.21	77.84
For Faucet With Temperature Control, Add	40.00	
22 42 39 00-0128 EA Electronic Lavatory Gooseneck Faucet (American Standard 6055.105.002)	496.60	77.84
For Faucet With Temperature Control, Add	40.00	
22 42 39 00-0129 EA Electronic Gooseneck Faucet (Chicago Faucet 116.103.AB.1)	659.75	84.52
22 42 39 00-0130 EA Electronic Lavatory Faucet (Chicago Faucet 116.112.AB.1)	684.54	77.84
22 42 39 00-0131 EA Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880)	1,006.88	84.52
22 42 39 00-0132 EA Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880-BDT)	1,253.90	84.52
22 42 39 00-0133 EA Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-35187)	1,172.90	84.52
22 42 39 00-0134 EA Solar Powered, Electronic Lavatory Faucet With Integral Mixing Valve (Sloan Solis EAF-275-ISM)	824.56	77.84
22 42 39 00-0135 EA Deck Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1100)	693.59	77.84
22 42 39 00-0136 EA Wall Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1101)	731.21	77.84
22 42 39 00-0137 EA Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC1102)	637.15	77.84
22 42 39 00-0138 EA Deck Mount, DC Power, Electronic Lavatory Faucet (T&S Brass EC2100)	731.21	77.84
22 42 39 00-0139 EA Deck Mount, DC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC2102)	642.39	77.84
22 42 39 00-0140 EA Deck Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3100)	642.39	77.84
22 42 39 00-0141 EA Wall Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3101)	719.75	77.84
22 42 39 00-0142 EA Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3102)	614.68	77.84
22 42 39 00-0143 EA 4" Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3103)	590.95	77.84
22 42 39 00-0144 EA Self-Generating EcoPower System, Single Supply Sensor Faucet, Standard Spout (Toto "Eco-Power" TEL3GKCN-60)	982.45	77.84
22 42 39 00-0145 Singles (22 42 39)		
22 42 39 00-0146 EA Stainless Steel Single Deck Faucet With 6" Swivel/Rigid Gooseneck Spout And Lever Handles (Fisher 58130)	191.20	34.26
22 42 39 00-0147 Other Trim (22 42 39)		
22 42 39 00-0148 EA Faucet Aerator, Male Thread 13/16" Male, 2 GPM (Delta RP330)	15.57	5.07
22 42 39 00-0149 EA 1-1/2" Pop-up Tailpiece (Chicago Faucet 226-ACP)	95.13	15.20
22 42 39 00-0150 EA 1-1/4" Grid Strainer Tailpiece (Chicago Faucet 327-XCP)	41.60	12.67
22 42 39 00-0151 EA 1-1/2" Grid Strainer Tailpiece (Chicago Faucet 327-X1-1/2TPCP)	86.78	12.67



		Plumbing	22
		Plumbing Fixtures	22 40
		Commercial Plumbing Fixtures	22 42

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MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0152	EA	Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Lav Guard 102).....	58.67	14.00
22 42 39 00-0153	EA	Soft Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Soft-Guard Plus).....	61.40	14.00
22 42 39 00-0154	EA	Lavatory Protective Enclosure (IPS Truebro Lav Shield)	154.66	14.00
22 42 39 00-0155	EA	36" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard)	189.90	14.00
22 42 39 00-0156	EA	42" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard)	215.49	14.00
22 42 39 00-0157	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Angle Stop (SharkBite 23036)	30.87	9.80
22 42 39 00-0158	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Straight Stop (SharkBite 23037)	30.87	9.80
22 42 39 00-0159	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Dual Angle Stop (SharkBite 25558).....	41.15	9.80
22 42 39 00-0160	PR	16" Long, 3/8" OD x 1/2" IPS, Stainless Steel Braided Sink Supply Line (Pair)	29.88	10.76
22 42 39 00-0161	EA	12" Long, 3/8" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line.....	18.45	6.33
22 42 39 00-0162	EA	12" Long, 1/2" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line.....	18.91	6.33
22 42 39 00-0163 Removal And Reinstallation Of Fixtures And Trim (22 42 39)				
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.				
22 42 39 00-0164	EA	Removal And Reinstallation Of Faucet	81.07	
22 42 43 Flushometers (22 42)				
22 42 43 00-0001 Water Closet Flush Valves (22 42 43)				
22 42 43 00-0002	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-115XL).....	224.59	31.83
22 42 43 00-0003	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-113-1.6).....	218.08	31.83
22 42 43 00-0004	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-110 Or 111)	251.25	31.83
22 42 43 00-0005	EA	Back Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-140)	346.12	31.83
22 42 43 00-0006	EA	Top Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-142)	383.52	31.83
22 42 43 00-0007	EA	Exposed Infrared Water Closet Flush Valve (Sloan Royal 115-1.6 ES-S)	690.54	31.83
22 42 43 00-0008	EA	Concealed Infrared Water Closet Flush Valve, Back Spud (Sloan Royal-140 ES-S).....	694.81	31.83
22 42 43 00-0009	EA	Concealed Infrared Water Closet Flush Valve, Top Spud (Sloan Royal-153-1.6 ES-S)	732.53	31.83
22 42 43 00-0010	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8113).....	681.89	31.83
22 42 43 00-0011	EA	Dual Flush Water Closet Flush Valve (Sloan UpperCut WES-115)	307.97	31.83
Note: "Green". 1.6 Gallons or 1.1 Gallons per flush. Includes instructional placards on proper operation.				
22 42 43 00-0012	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8110)	564.12	31.83
22 42 43 00-0013	EA	Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima EBV-89A)	301.16	31.83
22 42 43 00-0014	EA	Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40118X)	298.58	31.83
22 42 43 00-0015	EA	Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima Smooth EBV-200A)	297.74	28.00
22 42 43 00-0016	EA	Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40180X)	323.15	28.00
22 42 43 00-0017	EA	1.28 GPF, Exposed Infrared Water Closet Flush Valve (Toto EcoPower TET1LN)	700.30	31.83
22 42 43 00-0018	EA	Exposed Infrared Water Closet Flush Valve (1-1/2" V.B.) 1.28 GPF (Toto EcoPower TET1LN32)	766.04	31.83
22 42 43 00-0019	EA	1.28 GPF, Back Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN31 Or TET3LN31)	974.23	31.83
22 42 43 00-0020	EA	1.28 GPF, Top Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN32 Or TET3LN32)	974.23	31.83
22 42 43 00-0021	EA	Exposed Infrared Water Closet Flush Valve (Zurn ZEMS6000AV-HET-IS)	635.13	31.83
22 42 43 00-0022	EA	Exposed Infrared Water Closet Flush Valve (Zurn ZTS6200EV)	629.52	31.83
22 42 43 00-0023	EA	Slide Over Handle AC Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan EL-600-A).....	312.05	28.00
22 42 43 00-0024	EA	6 Volt DC, 120 Volt AC Hardwired Power Transformer (Sloan EL-451).....	98.74	5.34
22 42 43 00-0025	EA	Exposed Solar/Battery Powered Water Closet Flush Valve (Sloan Solis 8111-1.28).....	518.90	31.83
22 42 43 00-0026	EA	Exposed Manual Water Closet Flush Valve (Zurn Z6000AV-HET)	240.90	31.83
22 42 43 00-0027	EA	Exposed Battery Powered Water Closet Flush Valve (Zurn ZER6000AV-HET)	650.09	31.83
22 42 43 00-0028 Urinal Flush Valves (22 42 43)				
22 42 43 00-0029	EA	3/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 186 XL).....	197.43	31.83
Note: 0.5, 1.0 or 1.5 GPF.				
22 42 43 00-0030	EA	1-1/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 180).....	211.91	31.83
Note: 1.0, 1.5 or 3.5 GPF.				
22 42 43 00-0031	EA	Back Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 195)	281.08	31.83
Note: 1.0 or 1.5 GPF.				
22 42 43 00-0032	EA	Top Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 197).....	338.07	31.83
Note: 1.0 or 1.5 GPF.				
22 42 43 00-0033	EA	Exposed Infrared Urinal Flush Valve (Sloan Royal 186-ES-S).....	525.92	31.83
Note: 1.0 or 1.5 GPF.				
22 42 43 00-0034	EA	Back Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 195-WB-ES-S)	703.25	31.83
Note: 0.5, 1.0 or 1.5 GPF.				
22 42 43 00-0035	EA	Top Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 197-WB-ES-S).....	787.71	31.83
Note: 0.5, 1.0 or 1.5 GPF.				
22 42 43 00-0036	EA	Top Spud, Exposed Battery Powered Urinal Flush Valve (Sloan G2 Opt+8186-1)	517.45	31.83
Note: 1.0 GPF.				
22 42 43 00-0037	EA	Exposed Infrared Urinal Flush Valve (3/4" V.B.) (Toto EcoPower TEU1LN12).....	761.80	31.83
Note: 0.5 GPF.				
22 42 43 00-0038	EA	Top Spud, Exposed Solar/Battery Powered Urinal Flush Valve (Sloan Solis 8186-0.13)	472.23	31.83
Note: 0.13 GPF.				
22 42 43 00-0039	EA	3/4" Top Spud, Exposed Manual Urinal Flush Valve (Zurn Z6003AV-ULF)	224.61	31.83
Note: 0.125 GPF.				
22 42 43 00-0040	EA	Top Spud, Exposed Battery Powered Urinal Flush Valve (Zurn ZTR6203-ULF).....	557.25	31.83
Note: 0.125 GPF.				
22 42 43 00-0041	EA	Exposed Infrared Urinal Flush Valve (Zurn ZEMS6003AV-ULF-IS).....	565.21	31.83
Note: 0.125 GPF.				

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 43 00-0042		Removal And Reinstallation Of Fixtures And Trim (22 42 43) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 43 00-0043	EA	Removal And Reinstallation Of Flush Valve.....	126.68	
22 42 43 00-0044		Plumbing Control Transformers (22 42 43)		
22 42 43 00-0045	EA	6 Volt DC, 120 Volt AC Plug In Style Power Transformer (Zurn P6000-PC6).....	44.70	
22 42 46		Chemical Toilets (22 42)		
		Note: Includes toilet, urinal, holding tank, and ventilation system. Building to be priced separately.		
22 42 46 00-0001		Standard Chemical Toilets (22 42 46)		
22 42 46 00-0002		Small Tank Chemical Toilets (22 42 46 00-0001)		
22 42 46 00-0003	EA	Chemical Toilet, Small Tank 7,000 Uses/Year..... For Extra Urinal, Add	3,896.69 128.32	933.39
22 42 46 00-0004		Medium Tank Chemical Toilets (22 42 46 00-0001)		
22 42 46 00-0005	EA	Chemical Toilet, Medium Tank 13,000 Uses/Year..... For Extra Urinal, Add	4,629.60 151.83	1,111.67
22 42 46 00-0006		Large Tank Chemical Toilets (22 42 46 00-0001)		
22 42 46 00-0007	EA	Chemical Toilet, Large Tank 28,000 Uses/Year..... For Extra Urinal, Add	5,627.17 209.92	1,261.01
22 43		Healthcare Plumbing Fixtures (22 40)		
22 43 13		Healthcare Water Closets (22 43)		
22 43 13 00-0001		Healthcare Water Closets (22 43 13)		
22 43 13 00-0002	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Priolo® ADA).....	785.43	97.07
22 43 13 00-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Madera™ ADA).....	614.57	97.07
22 43 16		Healthcare Sinks (22 43)		
22 43 16 00-0001		Healthcare Sinks (22 43 16) Note: Includes trap, drain and supply valves. Excludes faucets and flush valves.		
22 43 16 00-0002	EA	25" x 21", Wall Mounted, Blow Out Flushing Rim, Vitreous China Clinic Service Sink (American Standard)..... For Stainless Steel Rim Guards (Three Sides), Add	1,128.82 103.67	62.53
22 43 16 00-0003	EA	29" x 20", Floor Mounted, Siphon Jet Flushing Rim, Vitreous China Clinic Service Sink (American Standard)..... For Stainless Steel Rim Guards (Three Sides), Add For Pedestal Base, Add	1,210.56 103.67 475.30	179.68
22 43 16 00-0004	EA	28" x 22", Wall Mounted, Vitreous China Surgeon's Scrub Sink (American Standard)..... For Painted Bracket Supports, Add	1,083.18 165.72	62.53
22 43 16 00-0005	EA	20" x 17", Wall Mounted, Vitreous China Intensive Care Unit Sink (American Standard).....	946.26	62.53
22 43 39		Healthcare Faucets (22 43)		
22 43 39 00-0001		Medical Faucet Spouts (22 43 39)		
22 43 39 00-0002	EA	Deck Mounted, Rigid Gooseneck Medical Lavatory Spout (American Standard 7522).....	94.10	14.00
22 43 39 00-0003		Electronic Proximity Medical Faucets (22 43 39)		
22 43 39 00-0004	EA	DC Or Plug-In AC Powered, Single Inlet, Electronic Proximity Medical Lavatory Faucet (American Standard Selectronic™ ICU)..... For Hard Wired AC Powered, Add	541.09 23.61	68.51
22 43 39 00-0005		Foot And Knee Faucet Controls (22 43 39)		
22 43 39 00-0006	EA	Single Supply Metering Pedal Valve (Chicago Faucet 628).....	330.34	124.51
22 43 39 00-0007	EA	Double Supply Metering Pedal Valve (Chicago Faucet 625).....	380.75	124.51
22 43 39 00-0008	EA	Knee Actuated Metering Mixing Valve (Chicago Faucet 745-VOCF).....	769.33	124.51
22 43 39 00-0009	EA	Double Knee Actuated Metering Mixing Valve (American Standard 7676).....	624.42	124.51
22 43 39 00-0010		Centerset Medical Faucets (22 43 39)		
22 43 39 00-0011	EA	Rigid Gooseneck Centerset Medical Lavatory Faucet, 8" Centers 6" Wrist Action Handles, Adjustable Centers (T&S B-0865-04).....	420.05	68.51
22 43 39 00-0012	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet, 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0866-04).....	424.61	68.51
22 43 39 00-0013	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet With Aerator 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0867-04).....	424.15	68.51
22 43 39 00-0014	EA	Surgical Sink Rigid Gooseneck Faucets, 8" Centers, 6" Wrist Action Handles (T&S B-0322-04).....	380.77	68.51



			Plumbing	22
			Plumbing Fixtures	22 40
			Healthcare Plumbing Fixtures	22 43

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 43 39 00-0015 EA Surgical Sink Rigid Gooseneck Faucets With Stream Regulator Outlet, 8" Centers, 6" Wrist Action Handles (T&S B-0323-04).....	365.25	68.51
22 43 39 00-0016 Bedpan Washers (22 43 39)		
22 43 39 00-0017 EA Self Closing Pedal Valve Bed Pan Washer, With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose (T&S B-0675).....	986.48	124.51
22 43 39 00-0018 EA Pedal Valve Bed Panwasher With Volume Control Valve, Vacuum Breaker, Wall Hook Hose Connection, Extended Spray Polyvinyl Chloride Hose (T&S B-0676).....	938.67	124.51
22 43 39 00-0019 EA Self Closing Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection Polyvinyl Chloride Hose (T&S B-0685).....	924.51	124.51
22 43 39 00-0020 EA Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose, Extended Spray (T&S B-0686).....	910.74	124.51
22 43 43 Healthcare Plumbing Fixture Flushometers (22 43)		
22 43 43 00-0001 Healthcare Plumbing Fixture Flushometers (22 43 43)		
22 43 43 00-0002 EA Exposed Manual Service Sink Flush Valve (Sloan Royal-117).....	214.09	31.83
22 43 43 00-0003 EA Exposed Manual Water Closet Flush Valve With Bedpan Washer (Sloan Slimline BPW).....	480.42	31.83
22 43 46 Healthcare Patient Care Units (22 43)		
22 43 46 00-0001 Patient Care Units (22 43 46)		
22 43 46 00-0002 EA 47" Swivel Toilet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-1700-AQCT-WB-BWSEV).....	12,803.44	186.68
For SDB Single Temperature Dialysis Box, Add	923.69	
For DDB Dual Temperature Dialysis Box, Add	981.06	
For BWSEV Bedpan Washer With Elevated Valve, Add	748.15	
For LOCK Flush Valve Lockout Device, Add	520.65	
22 43 46 00-0003 EA 31" Swing Front Cabinet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-2600-SST-DC-AQCT-WB).....	10,102.54	163.35
For SDB Single Temperature Dialysis Box, Add	923.69	
For DDB Dual Temperature Dialysis Box, Add	981.06	
For BWSEV Bedpan Washer With Elevated Valve, Add	748.15	
For LOCK Flush Valve Lockout Device, Add	520.65	
22 43 46 00-0004 Patient Care Plumbing Accessories (22 43 46)		
22 43 46 00-0005 EA One Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7920).....	1,215.93	25.34
22 43 46 00-0006 EA Two Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7919).....	1,338.42	25.34
22 45 Emergency Plumbing Fixtures (22 45)		
22 45 13 Emergency Showers (22 45)		
22 45 13 00-0001 Emergency Drench Showers (22 45 13)		
22 45 13 00-0002 Emergency Drench Showers (Haws) (22 45 13 00-0001)		
Note: Includes one pull rod.		
22 45 13 00-0003 EA Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122).....	603.42	163.35
22 45 13 00-0004 EA Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8123).....	689.30	163.35
22 45 13 00-0005 EA Horizontal Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122HWC).....	737.01	163.35
22 45 13 00-0006 EA Horizontal Or Vertical Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8130).....	880.15	163.35
22 45 13 00-0007 EA Horizontal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8133H).....	1,175.96	163.35
22 45 13 00-0008 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8100).....	936.35	186.68
22 45 13 00-0009 EA Wall Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Stainless Steel Push Flag (Haws 8111FP).....	1,025.96	210.02
22 45 13 00-0010 EA Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8169).....	935.31	210.02
22 45 13 00-0011 EA Concealed Ceiling Supply, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8163).....	954.39	210.02
22 45 13 00-0012 EA Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Pull Down Lever Ball Valve Mounted In A Recessed Stainless Steel Cabinet (Haws 8164).....	1,312.23	210.02
22 45 13 00-0013 Emergency Drench Showers (Speakman) (22 45 13 00-0001)		
Note: Includes one pull rod.		
22 45 13 00-0014 EA Vertical Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-220).....	523.25	163.35
22 45 13 00-0015 EA Horizontal Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-227).....	537.93	163.35
22 45 13 00-0016 EA Floor Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-253).....	830.90	186.68
22 45 13 00-0017 Emergency Drench Showers (WaterSaver) (22 45 13 00-0001)		
Note: Includes one pull rod.		
22 45 13 00-0018 EA Emergency Shower, Vertically Mounted (WaterSaver ES635).....	682.68	163.35
22 45 13 00-0019 EA Emergency Shower, Horizontally Mounted (WaterSaver ES643).....	698.25	163.35
22 45 13 00-0020 EA All-Stainless Steel, Emergency Shower, Horizontally Mounted (WaterSaver ES691).....	1,460.62	163.35

22 Plumbing**22 40 Plumbing Fixtures****22 45 Emergency Plumbing Fixtures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 13 00-0021 EA Emergency Shower, Recess Mounted (WaterSaver ES629)	1,074.57	210.02
22 45 13 00-0022 EA Emergency Shower, Semi-Concealed (WaterSaver ES658)	1,426.80	210.02
22 45 16 Eyewash Equipment (22 45)		
22 45 16 00-0001 Emergency Eyewash Equipment (22 45 16)		
22 45 16 00-0002 Emergency Eyewash Equipment (Haws) (22 45 16 00-0001)		
22 45 16 00-0003 EA Faucet Mounted, Stainless Steel Emergency Eyewash (Haws Axion® eyePOD® 7620)	257.44	4.67
22 45 16 00-0004 EA Wall Mounted, Freeze Protected, Emergency Eye Wash With Soft-Flo Heads And Stainless Steel Bowl (Haws 7433FP)	1,235.90	210.02
22 45 16 00-0005 Emergency Eyewash Equipment (WaterSaver) (22 45 16 00-0001)		
22 45 16 00-0006 EA Auto Flow, Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805)	654.29	46.67
22 45 16 00-0007 EA Auto Flow, Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805LH)	654.29	46.67
22 45 16 00-0008 EA Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806)	666.08	46.67
22 45 16 00-0009 EA Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806LH)	666.08	46.67
22 45 16 00-0010 EA Stainless Steel Bowl, Emergency Eye Wash, Deck Mounted (WaterSaver EW822)	882.62	46.67
22 45 16 00-0011 EA Swing-Down, Auto Flow, Emergency Eye Wash, Wall Mounted (WaterSaver EW848)	1,004.61	46.67
22 45 16 00-0012 EA Swing-Down, Auto Flow, Emergency Eye Wash, Deck Mounted (WaterSaver EW849)	1,004.61	46.67
22 45 16 00-0013 EA Right Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893)	1,855.42	46.67
22 45 16 00-0014 EA Left Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893LH)	1,855.42	46.67
22 45 16 00-0015 EA Right Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895)	1,941.26	46.67
22 45 16 00-0016 EA Left Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895LH)	1,941.26	46.67
22 45 16 00-0017 EA Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Wall Mounted (WaterSaver EW898)	2,392.95	46.67
22 45 16 00-0018 EA Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW899)	2,392.95	46.67
22 45 16 00-0019 EA Ball Valve With Flag Handle, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW808)	1,216.75	163.35
22 45 16 00-0020 EA Push-Down Valve, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW810)	1,200.10	163.35
22 45 16 00-0021 EA Stainless Steel Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814)	871.94	163.35
22 45 16 00-0022 EA Stainless Steel Bowl And Cover, Emergency Eye Wash, Wall Mounted (WaterSaver EW814BC)	1,218.01	163.35
22 45 16 00-0023 EA Plastic Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814P)	748.39	163.35
22 45 23 Personal Eyewash Equipment (22 45)		
22 45 23 00-0001 Portable Eyewash Equipment (22 45 23)		
22 45 23 00-0002 Portable Eyewash Equipment (Bradley) (22 45 23 00-0001)		
22 45 23 00-0003 EA Portable (Wall Mounted) Heated Gravity-Fed Emergency Eye/Face Wash (Bradley S19-921H)	1,460.69	14.00
22 45 26 Eye/Face Wash Equipment (22 45)		
22 45 26 00-0001 Emergency Eye/Face Wash Equipment (22 45 26)		
22 45 26 00-0002 Emergency Eye/Face Wash Equipment (Haws) (22 45 26 00-0001)		
22 45 26 00-0003 EA Unmounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7460)	648.44	116.68
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0004 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly Without Receptor (Haws 7324)	655.90	163.35
22 45 26 00-0005 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260B-7270B)	641.59	163.35
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0006 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260BT-7270BT)	697.89	163.35
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0007 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360B-7460B)	703.61	163.35
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0008 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BT-7460BT)	771.37	163.35
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0009 EA Wall Mounted, Barrier-Free, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BTWC)	1,042.37	163.35
22 45 26 00-0010 EA Wall Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl And Dust Cover (Haws 7778B)	1,948.90	163.35
22 45 26 00-0011 EA Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7261-7271)	802.76	186.68
22 45 26 00-0012 EA Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7361-7461)	912.50	186.68
22 45 26 00-0013 EA Pedestal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7777)	2,019.41	186.68
22 45 26 00-0014 EA Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7611)	537.06	46.67
22 45 26 00-0015 EA Right Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612)	517.98	46.67
22 45 26 00-0016 EA Left Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612LH)	541.83	46.67
22 45 26 00-0017 EA Wall Or Deck Mounted, Barrier-Free, Swing-Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7610)	680.20	46.67



Plumbing			22
Plumbing Fixtures			22 40
Emergency Plumbing Fixtures			22 45

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 26 00-0018	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCC)	1,669.03	233.35
22 45 26 00-0019	EA	Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCCSM)	2,009.87	186.68
22 45 26 00-0020	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7656WCC)	2,069.81	233.35
22 45 26 00-0021	EA	Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCCSM)	2,420.19	186.68
22 45 26 00-0022		Emergency Eye/Face Wash Equipment (Speakman) (22 45 26 00-0001)		
22 45 26 00-0023	EA	Wall Mounted, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-495)	584.42	163.35
22 45 26 00-0024	EA	Floor Mounted, DuraJade™ Finish, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-496)	713.45	186.68
22 45 26 00-0025		Emergency Eye/Face Wash Equipment (WaterSaver) (22 45 26 00-0001)		
22 45 26 00-0026	EA	Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl, Wall Mounted (WaterSaver FE724)	1,089.11	163.35
22 45 26 00-0027	EA	Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl And Cover, Wall Mounted (WaterSaver FE724BC)	1,435.18	163.35
22 45 26 00-0028	EA	Wide Area, Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE727)	1,391.18	163.35
22 45 26 00-0029	EA	Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE765)	1,286.20	163.35
22 45 26 00-0030	EA	Auto Flow, Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774)	688.63	46.67
22 45 26 00-0031	EA	Auto Flow, Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774LH)	688.63	46.67
22 45 26 00-0032	EA	Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775)	668.15	46.67
22 45 26 00-0033	EA	Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775LH)	668.15	46.67
22 45 26 00-0034	EA	Swing-Down, Auto Flow, Emergency Eye/Face Wash, Wall Mounted (WaterSaver FE778)	1,020.00	46.67
22 45 26 00-0035	EA	Swing-Down, Auto Flow, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE779)	1,020.00	46.67
22 45 26 00-0036		Emergency Eye/Face Wash Equipment (Guardian) (22 45 26 00-0001)		
		Note: Includes one pull rod.		
22 45 26 00-0037	EA	All-Stainless Steel Handicapped Accessible Safety Station With WideArea™ Eye/Face Wash (Guardian GBF1994)	3,634.29	163.35
22 45 29		Hand-Held Emergency Drench Hoses (22 45)		
22 45 29 00-0001		Hand-Held Emergency Eye/Face/Body Wash With Hose (22 45 29)		
22 45 29 00-0002		Hand-Held Emergency Eye/Face/Body Wash With Hose (Haws) (22 45 29 00-0001)		
22 45 29 00-0003	EA	Counter Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 8' Hose (Haws 8904)	574.72	58.34
22 45 29 00-0004	EA	Wall Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 12' Recoil Hose (Haws 8905)	660.60	58.34
22 45 29 00-0005		Hand-Held Emergency Eye/Face/Body Wash With Hose (WaterSaver) (22 45 29 00-0001)		
22 45 29 00-0006	EA	Emergency Drench Hose Unit, Deck Mounted (WaterSaver EW1020)	529.39	58.34
22 45 29 00-0007	EA	Emergency Drench Hose Unit, Wall Mounted (WaterSaver EW1025)	488.29	58.34
22 45 29 00-0008	EA	Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1014)	730.11	58.34
22 45 29 00-0009	EA	Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1022)	684.37	58.34
22 45 29 00-0010	EA	Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1026)	700.75	58.34
22 45 29 00-0011	EA	Ball Valve With Flag Handle, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028)	916.39	58.34
22 45 29 00-0012	EA	Ball Valve With Flag Handle And Vacuum Breaker, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028VB)	1,059.81	58.34
22 45 29 00-0013	EA	Emergency Eye Wash Drench Hose Unit, 45 Degree Panel Mounted (WaterSaver EW1041)	1,011.18	58.34
22 45 33		Combination Emergency Fixture Units (22 45)		
22 45 33 00-0001		Emergency Shower With Eye/Face Wash (22 45 33)		
22 45 33 00-0002		Emergency Shower With Eye/Face Wash (Haws) (22 45 33 00-0001)		
22 45 33 00-0003	EA	Floor Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8330)	3,397.85	303.36
22 45 33 00-0004	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300FP)	2,310.02	303.36
		Note: Includes freeze protection bury valve.		
22 45 33 00-0005	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300-8309)	1,618.19	303.36
22 45 33 00-0006	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300.158)	2,558.12	303.36
22 45 33 00-0007	EA	Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300CRP-8309CRP)	1,885.38	303.36
22 45 33 00-0008	EA	Floor Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8309WC)	1,775.64	303.36
22 45 33 00-0009	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317)	1,522.77	303.36
22 45 33 00-0010	EA	Floor Mounted, Corrosion Resistant, PVC Plastic, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8336)	2,472.24	303.36

22 Plumbing**22 40 Plumbing Fixtures****22 45 Emergency Plumbing Fixtures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 33 00-0011 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCC)	2,706.03	303.36
22 45 33 00-0012 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCW)	2,758.51	303.36
22 45 33 00-0013 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCC)	3,078.18	303.36
22 45 33 00-0014 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan, Daylight Drain And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCDD)	3,264.26	303.36
22 45 33 00-0015 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCW)	3,211.78	303.36
22 45 33 00-0016 EA Floor Mounted, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP)	4,786.27	303.36
22 45 33 00-0017 EA Floor Mounted, 220 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP.220V)	5,043.92	303.36
22 45 33 00-0018 EA Floor Mounted, C1D1 Rated, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFPC1D1)	10,626.22	303.36
22 45 33 00-0019 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320-8325)	1,522.77	303.36
22 45 33 00-0020 EA Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320CRP)	1,718.39	303.36
22 45 33 00-0021 Emergency Shower With Eye/Face Wash (Speakman) (22 45 33 00-0001)		
22 45 33 00-0022 EA Floor Mounted, Emergency Drench Shower With Plastic Showerhead And Eye/Face Wash With Plastic Bowl (Speakman SE-690)	1,358.68	303.36
22 45 33 00-0023 Emergency Shower With Eye/Face Wash (WaterSaver) (22 45 33 00-0001)		
22 45 33 00-0024 EA All-Stainless Steel, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS994)	4,792.47	253.37
22 45 33 00-0025 EA Polished Chrome Construction, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS909PCC)	4,896.76	253.37
22 45 33 00-0026 EA Emergency Shower With Eye Wash Station And Stainless Steel Bowl, Floor Mounted (WaterSaver SS902)	1,957.46	253.37
22 45 33 00-0027 EA Emergency Shower With Eye Wash Station And Plastic Bowl, Floor Mounted (WaterSaver SS902P)	1,795.20	253.37
22 45 33 00-0028 EA Emergency Shower With Eye Wash Station And Stainless Steel Bowl And Cover, Floor Mounted (WaterSaver SS902BC)	2,303.52	253.37
22 45 36 Emergency Fixture Water-Tempering Equipment (22 45)		
22 45 36 00-0001 Emergency Fixture Water-Tempering Equipment (22 45 36)		
22 45 36 00-0002 Emergency Fixture Water-Tempering Equipment (Haws) (22 45 36 00-0001)		
22 45 36 00-0003 EA 10 GPM, 1/2" Inlet, 1/2" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EW)	608.11	58.34
22 45 36 00-0004 EA 12 GPM, 1/2" Inlet, 3/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EFE)	889.61	58.34
22 45 36 00-0005 EA 31 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201E)	1,304.71	58.34
22 45 36 00-0006 EA 78 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9202E)	1,538.50	58.34
22 45 36 00-0007 EA 31 GPM, 1" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws 9201H)	2,177.84	58.34
22 45 36 00-0008 EA 12 GPM, 1/2" Inlet, 3/4" Outlet, Secondary High Temperature Limit Valve, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.EWE)	2,297.12	58.34
22 45 36 00-0009 EA 74 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.SHE)	3,857.30	58.34
22 45 36 00-0010 EA 78 GPM, 2" Inlet, 2" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.HF)	4,635.01	58.34
22 45 36 00-0011 EA 1/2" Inlet, 1/2" Outlet, Brass Scald Protection Bleed Valve (Haws SP157B)	679.68	58.34
22 45 39 Emergency Plumbing Fixture Accessories (22 45)		
22 45 39 00-0001 Emergency Plumbing Fixture Accessories (22 45 39)		
22 45 39 00-0002 Emergency Plumbing Fixture Accessories (Haws) (22 45 39 00-0001)		
22 45 39 00-0003 EA Pedestal Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220)	156.61	18.67
22 45 39 00-0004 EA Wall Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220W)	218.64	18.67
22 45 39 00-0005 EA Pedestal Mounted, Stainless Steel Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220SS)	228.18	18.67
22 45 39 00-0006 EA Axion® MSR Stainless Steel Showerhead For Emergency Drench Showers (Haws SP829SS)	252.56	7.00
22 45 39 00-0007 EA Stainless Steel Dust Cover For Emergency Eye/Face Wash Bowls (Haws 9102)	257.44	4.67
22 45 39 00-0008 EA 3-Sided ABS Plastic Safety Sign For Emergency Combination Shower And Eyewash Units (Haws 9020)	281.09	9.34
22 45 39 00-0009 EA Emergency Body Spray Kit With 8' Hose And ABS Plastic Head For Emergency Plumbing Fixtures (Haws 8901RFK)	497.85	70.01
22 45 39 00-0010 EA Class 1, Div. 1, Group B, C And D, Indicator Light For Emergency Plumbing Fixtures (Haws 8317IDLTXP)	512.61	32.06
22 45 39 00-0011 EA Vapor Tight And Gasketed, Green Area Light For Emergency Plumbing Fixtures (Haws 8317LT)	760.72	32.06
22 45 39 00-0012 EA Privacy Curtain For Horizontal Emergency Drench Shower Or Combination Emergency Drench Shower And Eyewash Units (Haws 9037)	889.61	70.01



Plumbing			22
Plumbing Fixtures			22 40
Emergency Plumbing Fixtures			22 45

22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 39 00-0013 EA Class 1, Div. 1, Group B, C And D, White Area Light For Emergency Plumbing Fixtures (Haws 8317LTEXP)	1,691.10	32.06
22 45 39 00-0014 EA 1/2" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001.5)	1,883.64	106.86
22 45 39 00-0015 EA 1-1/4" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001)	1,921.81	106.86
22 45 39 00-0016 EA 1-1/4" Supply, Class 1, Division 2, Groups B, C, And D Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXP)	3,553.56	106.86
22 45 39 00-0017 EA 1-1/4" Supply, 90 db, Class 1, Division 1, Groups C And D, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXPC1D1)	6,750.26	106.86
22 45 39 00-0018 Emergency Plumbing Fixture Accessories (Speakman) (22 45 39 00-0001)		
22 45 39 00-0019 EA Privacy Curtain For Emergency Showers	881.71	70.01
Note: Curtain includes stainless steel curtain rod and mounting accessories.		
22 45 39 00-0020 Emergency Plumbing Fixture Accessories (WaterSaver) (22 45 39 00-0001)		
22 45 39 00-0021 EA Hand And Foot Control For Emergency Eyewash Equipment (WaterSaver HFC)	140.23	15.20
22 46 Security Plumbing Fixtures (22 40)		
22 46 13 Security Water Closets and Urinals (22 46)		
22 46 13 13 Security Water Closets (22 46 13)		
22 46 13 13-0001 Security Water Closets (22 46 13 13)		
22 46 13 13-0002 EA Security Water Closet, Integral Seat, Back Supply And Flush Valve, Wall Hung, Wall Outlet, Cast Aluminum (Acorn 1675)	3,201.19	233.35
For Angled Toilet, Add	23.33	
For Offset Toilet, Add	296.78	
22 46 13 13-0003 EA Security Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Wall Outlet, Cast Aluminum (Acorn 1684)	3,905.56	233.35
For Angled Toilet, Add	23.33	
For Offset Toilet, Add	367.22	
22 46 13 13-0004 EA Security Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Floor Outlet, Cast Aluminum (Acorn 1695)	3,967.27	233.35
For Angled Toilet, Add	23.33	
For Offset Toilet, Add	373.39	
22 46 13 13-0005 EA Recessed Tissue Holder For Security Water Closet, Stainless Steel (Acorn 1840)	346.47	46.67
22 46 13 16 Security Urinals (22 46 13)		
22 46 13 16-0001 Security Urinals (22 46 13 16)		
22 46 13 16-0002 EA Security Urinal, Back Supply And Flush, Wall Hung, Stainless Steel (Acorn 1700)	3,831.23	210.02
22 46 13 16-0003 EA Security Urinal, Back Supply And Flush, Stall, Stainless Steel (Acorn 1720)	6,540.34	298.41
22 46 13 19 Security Combination Toilet and Lavatory (22 46 13)		
22 46 13 19-0001 Security Combination Toilet - Lavatory (22 46 13 19)		
22 46 13 19-0002 EA 15" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1415)	5,894.48	289.35
For Angled Toilet, Add	28.94	
For Offset Toilet, Add	560.51	
For 15" Mirror/Shelf Module, Add	839.35	
For AC Duplex Outlet Option, Add	87.87	
For Intercom Option, Add	132.87	
For 15" Wide Light/Ventilation Module, Add	808.61	
22 46 13 19-0003 EA 18" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1418)	6,069.31	303.36
For Angled Toilet, Add	30.34	
For Offset Toilet, Add	576.60	
For 18" Mirror/Shelf Module, Add	878.35	
For AC Duplex Outlet Option, Add	90.67	
For Intercom Option, Add	135.67	
For 18" Wide Light/Ventilation Module, Add	832.01	
22 46 13 19-0004 EA 20" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1420)	6,199.47	317.35
For Angled Toilet, Add	31.74	
For Offset Toilet, Add	588.21	
For 20" Mirror/Shelf Module, Add	927.36	
For AC Duplex Outlet Option, Add	93.47	
For Intercom Option, Add	138.47	
For 20" Wide Light/Ventilation Module, Add	865.41	
22 46 13 19-0005 EA 26" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1426)	6,640.30	331.35
For Angled Toilet, Add	33.14	
For Offset Toilet, Add	630.89	
For 26" Mirror/Shelf Module, Add	966.36	
For AC Duplex Outlet Option, Add	96.27	
For Intercom Option, Add	141.27	
For 26" Wide Light/Ventilation Module, Add	893.81	

22	Plumbing
22 40	Plumbing Fixtures
22 46	Security Plumbing Fixtures



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 46 13 19-0006	EA	28" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Floor Mounted, Stainless Steel (Acorn 1428)	10,832.82	345.36
		For Angled Toilet, Add	34.54	
		For Offset Toilet, Add	1,048.75	
		For 28" Mirror/Shelf Module, Add	1,000.36	
		For AC Duplex Outlet Option, Add	99.07	
		For Intercom Option, Add	144.07	
		For 28" Wide Light/Ventilation Module, Add	922.21	
22 46 16		Security Lavatories and Sinks (22 46)		
22 46 16 13		Security Lavatories (22 46 16)		
22 46 16 13-0001		Security Lavatories (22 46 16 13)		
22 46 16 13-0002	EA	20" Security Lavatory, Wall Hung, Push Button Filler Valve, Rectangular Bowl, Stainless Steel (Acorn 1650)	2,310.57	163.35
		For Shelf, Add	84.00	
22 46 16 13-0003	EA	18" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Stainless Steel (Acorn 1655)	2,351.42	163.35
		For Shelf, Add	84.00	
22 46 16 13-0004	EA	13" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Corner Mount, Stainless Steel (Acorn 1660)	2,696.45	163.35
		For Shelf, Add	84.00	
22 46 16 13-0005	EA	18" Security Lavatory, Wall Hung, Push Button Filler Valve, Multi Sided Bowl, Stainless Steel (Acorn 1656)	2,351.42	163.35
		For Shelf, Add	84.00	
22 46 16 16		Security Sinks (22 46 16)		
22 46 16 16-0001		Security Sinks (22 46 16 16)		
22 46 16 16-0002	EA	22" x 16" x 10" Security Service Sink, With Soap Dish, Stainless Steel (Acorn 1642)	5,041.84	248.75
22 46 16 16-0003		Security Mop Sink (22 46 16 16)		
22 46 16 16-0004	EA	24" x 24" x 10" Stainless Steel Mop Sink With Strainer (ACORN 1630)	2,687.01	140.01
22 46 19		Security Showers (22 46)		
22 46 19 00-0001		Security Showers (22 46 19)		
22 46 19 00-0002	EA	30" Security Shower, Stainless Steel, Knock-Down (Acorn 1730-3M-KD)	13,342.21	373.35
22 46 19 00-0003	EA	32" Security Shower, Stainless Steel, Knock-Down (Acorn 1732-3M-KD)	13,835.91	373.35
22 46 19 00-0004	EA	36" Security Shower, Stainless Steel, Knock-Down (Acorn 1736-3M-KD)	14,344.01	373.35
22 46 19 00-0005	EA	36" ADA Security Shower, Stainless Steel, Front Access (Acorn 1736-ADA-3M-FA)	18,322.40	373.35
22 46 19 00-0006	EA	Security Shower Package For Built-in, Hot And Cold Faucets, Mixing Valve, Rectangular Soap Dish, Stainless Steel (Acorn 1741)	788.84	124.61
22 46 19 00-0007	EA	Security Shower Head With Mixing Valves And Piping Assembly In Wall (Acorn 1743)	591.46	65.34
22 46 43		Security Plumbing Fixture Flushometers (22 46)		
22 46 43 00-0001	EA	Concealed Manual Water Closet Flush Valve, With Pushbutton Control (Sloan 601 AFD ESM)	514.48	31.83
		Note: Anti-flood device (AFD), solenoid operated with module plug 24V (ESM).		
22 46 43 00-0002	EA	Concealed Manual Urinal Flush Valve, 1-1/2" Backinlet, With Pushbutton Control (Sloan 609 ESM)	513.92	31.83
		Note: Solenoid operated with module plug 24V (ESM).		
22 46 43 00-0003	EA	Concealed Manual Urinal Flush Valve, 3/4" Backinlet, With Pushbutton Control (Sloan 613 ESM)	497.34	31.83
		Note: Solenoid operated with module plug 24V (ESM).		
22 46 56		Security Drinking Fountains (22 46)		
22 46 56 00-0001		Security Drinking Fountain (22 46 56)		
		Note: Includes air control valve, bubbler with mouthguard and mounting bracket.		
22 46 56 00-0002	EA	Wall Mounted Security Drinking Fountain, Stainless Steel (Acorn 1670-1-BP-3-FA)	2,610.16	186.68
22 46 56 00-0003	EA	Wall Mounted Security ADA Drinking Fountain, Stainless Steel (Acorn 1672-1-ADA-BP-3-FA)	2,629.86	186.68
22 47		Drinking Fountains and Water Coolers (22 40)		
22 47 13		Drinking Fountains (22 47)		
22 47 13 00-0001		Indoor Drinking Fountains (22 47 13)		
22 47 13 00-0002		Face Mounted Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0003	EA	Stainless Steel, Standard Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-S)	1,500.00	151.68
22 47 13 00-0004	EA	Stainless Steel, Standard Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-SBP)	2,172.70	163.35
22 47 13 00-0005	EA	Stainless Steel, Extended Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-E)	1,966.78	151.68
22 47 13 00-0006	EA	Stainless Steel, Extended Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-EBP)	2,340.80	163.35
22 47 13 00-0007	EA	Stainless Steel, Standard Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFS)	1,015.59	151.68
22 47 13 00-0008	EA	Stainless Steel, Standard Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners With Back Panel (Halsey-Taylor HRFSBP)	1,210.67	163.35



Plumbing			22
Plumbing Fixtures			22 40
Drinking Fountains and Water Coolers			22 47

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0009	EA	Stainless Steel, Extended Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFE).....	1,144.72	151.68
22 47 13 00-0010	EA	Stainless Steel, Extended Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFEBP).....	1,385.23	163.35
22 47 13 00-0011		Wall Mounted Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0012	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor 5701).....	1,047.01	163.35
22 47 13 00-0013	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8WF).....	1,473.26	163.35
22 47 13 00-0014	EA	Bi-Level, Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8BLWF).....	2,013.39	163.35
22 47 13 00-0015		Semi-Recessed Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0016	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler (Halsey-Taylor 5801).....	1,397.18	175.01
22 47 13 00-0017	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler And Cuspidor (Halsey-Taylor 5801C).....	2,955.78	175.01
22 47 13 00-0018		Fully Recessed Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0019	EA	Stainless Steel Fully-Recessed, With Bubbler, Indoor Drinking Fountain (Halsey-Taylor 8880, Haws 2400).....	1,494.35	186.68
22 47 13 00-0020	EA	Stainless Steel Fully-Recessed, With Bubbler And Cuspidor, Indoor Drinking Fountain (Halsey-Taylor 8800 With 10245, Haws 2403).....	2,690.09	186.68
22 47 13 00-0021		Countertop Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0022	EA	Stainless Steel Countertop Circular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 10000).....	628.63	116.68
22 47 13 00-0023	EA	Stainless Steel Countertop Rectangular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6000).....	606.12	116.68
22 47 13 00-0024	EA	Stainless Steel Countertop Oval Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6028).....	729.47	116.68
22 47 13 00-0025		Bowl And Bracket Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0026	EA	Stainless Steel, Bowl And Bracket With Pushbutton Bubbler, Indoor Drinking Fountain (Halsey-Taylor 2501A).....	534.99	116.68
22 47 13 00-0027	EA	Stainless Steel, Bowl And Bracket, Self Closing Lever Handle Stop, Indoor Drinking Fountain (Halsey-Taylor 4540).....	639.55	116.68
22 47 13 00-0028		Multi-Station Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0029	EA	Two Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7020).....	2,793.64	186.68
22 47 13 00-0030	EA	Three Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7030).....	3,503.12	186.68
22 47 13 00-0031	EA	Two Station, Marblyte, Face-Mounted Indoor Drinking Fountain With Bubblers (Halsey-Taylor 7120).....	2,666.59	186.68
22 47 13 00-0032	EA	Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1430).....	2,255.20	186.68
22 47 13 00-0033	EA	Three Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1435).....	2,829.65	186.68
22 47 13 00-0034	EA	Bi-Level, Stainless Steel, Indoor Drinking Fountain With Bubblers And Back Panel (Halsey-Taylor HRFSEBP, Haws 1119.14 With 6700.4).....	2,481.39	238.13
22 47 13 00-0035	EA	Two Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1441).....	3,547.34	186.68
22 47 13 00-0036	EA	Three Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1408).....	3,486.18	186.68
22 47 13 00-0037		Outdoor Drinking Fountains (22 47 13)		
22 47 13 00-0038		Face Mounted Outdoor Drinking Fountains (22 47 13 00-0037)		
22 47 13 00-0039	EA	Stainless Steel Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFE-FR).....	1,309.63	186.68
22 47 13 00-0040	EA	Stainless Steel Freeze Resistant Face Mounted, With Back Panel, Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFEBP-FR).....	1,431.89	186.68
22 47 13 00-0041	EA	Stone Aggregate Weather Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592).....	1,378.80	186.68
22 47 13 00-0042	EA	Stone Aggregate Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592-FR).....	2,004.60	186.68
22 47 13 00-0043		Free Standing Outdoor Drinking Fountains (22 47 13 00-0037)		
22 47 13 00-0044	EA	Steel Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715).....	2,449.39	175.01
22 47 13 00-0045	EA	Steel Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715-FR).....	3,425.09	175.01
22 47 13 00-0046	EA	Steel Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710).....	2,446.15	175.01
22 47 13 00-0047	EA	Steel Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710-FR).....	3,362.77	175.01
22 47 13 00-0048	EA	Steel Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720).....	3,624.58	186.68
22 47 13 00-0049	EA	Steel Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720-FR).....	3,689.73	186.68
22 47 13 00-0050	EA	Stone Aggregate Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4591).....	1,394.07	175.01
22 47 13 00-0051	EA	Stone Aggregate Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590).....	2,378.61	175.01
22 47 13 00-0052	EA	Stone Aggregate Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590-FR).....	3,354.30	175.01
22 47 13 00-0053	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595).....	3,943.91	186.68
22 47 13 00-0054	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595-FR).....	5,518.85	186.68

22 Plumbing**22 40 Plumbing Fixtures****22 47 Drinking Fountains and Water Coolers**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 47 16 Pressure Water Coolers (22 47)**22 47 16 00-0001 Indoor Water Coolers (22 47 16)****22 47 16 00-0002 Face Mounted Indoor Water Coolers (22 47 16 00-0001)**

22 47 16 00-0003	EA	Stainless Steel, Semi-Circular Water Cooler With Bubbler, Face-Mounted, Extended Length, 180 Degree Push Bar, 7.5 GPH (Halsey-Taylor OVL-II ER-Q).....	2,806.54	186.68
22 47 16 00-0004	EA	Stainless Steel, Semi-Circular Water Cooler, Electronic Sensor, Face-Mounted, Extended Length, With Bubbler, 7.5 GPH (Halsey-Taylor OVL-II EREE-Q).....	2,993.96	186.68

22 47 16 00-0005 Wall Mounted Indoor Water Coolers (22 47 16 00-0001)

22 47 16 00-0006	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 4 GPH, With Bubbler, (Halsey-Taylor SW4A-Q)	1,354.67	186.68
22 47 16 00-0007	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SW8A-Q)	1,402.93	186.68
22 47 16 00-0008	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SW14A-Q)	1,554.15	186.68
22 47 16 00-0009	EA	Stainless Steel Wall-Mounted Vandal Resistant Compact Water Cooler With Bubbler, 8 GPH (Halsey-Taylor SW8A-VR-Q-SS).....	1,612.07	186.68
22 47 16 00-0010	EA	Stainless Steel Wall-Mounted Vandal Resistant Barrier Free Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8-CHILD ADA).....	1,203.45	186.68
22 47 16 00-0011	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor WC8AFS-Q-SS).....	1,388.45	186.68
22 47 16 00-0012	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor HAC8FS-Q Child SS).....	1,099.69	186.68
22 47 16 00-0013	EA	Stainless Steel Wall-Mounted Water Cooler, 8 GPH, With Bubbler, (Halsey-Taylor HAC8VR-BL).....	1,636.46	186.68
22 47 16 00-0014	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HAC8FSBL-Q-SS).....	1,837.36	280.02

22 47 16 00-0015 Simulated Recessed Indoor Water Coolers (22 47 16 00-0001)

22 47 16 00-0016	EA	Stainless Steel Simulated Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RWM8A-Q).....	1,608.71	186.68
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22 47 16 00-0017 Fully Recessed Indoor Water Coolers (22 47 16 00-0001)

22 47 16 00-0018	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RC8A-Q).....	3,096.10	210.02
22 47 16 00-0019	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser, 8 GPH (Halsey-Taylor RC8AQ + 14762).....	3,773.10	210.02
22 47 16 00-0020	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser And Glass Filler, 8 GPH (Halsey-Taylor RC8A-Q-14700).....	4,409.68	210.02

22 47 16 00-0021 Free Standing Indoor Water Coolers (22 47 16 00-0001)

22 47 16 00-0022	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 4 GPH, With Bubbler (Halsey-Taylor SCWT4A-Q).....	1,302.37	163.35
22 47 16 00-0023	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SCWT8A-Q)	1,396.48	163.35
22 47 16 00-0024	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SCWT14A-Q)	1,580.68	163.35
22 47 16 00-0025	EA	Stainless Steel, Free-Standing Vandal Resistant Water Cooler With Bubbler, 14 GPH (Halsey-Taylor SCWT14A-VR-Q).....	1,755.23	163.35

22 47 16 00-0026 Bottled Water Coolers (22 47 16 00-0001)

22 47 16 00-0027	EA	Free-Standing Bottled Water Cooler With Chilled Or Room Temperature Water.....	458.00	93.34
22 47 16 00-0028	EA	Free-Standing Bottled Water Cooler With Chilled Or Hot Water	544.44	93.34

22 47 16 00-0029 Multi-Station Indoor Water Coolers (22 47 16 00-0001)

22 47 16 00-0030	EA	Stainless Steel, Wall Mounted, Two Station, Semi-Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II SER-Q).....	3,112.27	280.02
22 47 16 00-0031	EA	Stainless Steel, Wall Mounted, Two Station, Electronic Sensor Semi Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II-SEREE-Q).....	4,734.67	280.02
22 47 16 00-0032	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BL-CHILD ADA-SS).....	1,987.77	280.02

22 47 16 00-0033 Outdoor Water Coolers (22 47 16)**22 47 16 00-0034 Wall Mounted Outdoor Water Coolers (22 47 16 00-0033)**

22 47 16 00-0035	EA	Stainless Steel, Wall Mounted, Barrier Free, Vandal Resistant, Frost Resistant Outdoor Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8FR-CHILD ADA-SS).....	1,390.37	116.68
22 47 16 00-0036	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Outdoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BLFR-CHILD ADA-SS).....	2,376.17	116.68

22 47 16 00-0037 Free Standing Outdoor Water Coolers (22 47 16 00-0033)

22 47 16 00-0038	EA	Stainless Steel Free-Standing Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-Q)	2,290.93	175.01
22 47 16 00-0039	EA	Stainless Steel Free-Standing Frost Resistant Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-FR-Q).....	2,741.38	175.01

22 47 16 00-0040 Removal And Reinstallation Of Fixtures And Trim (22 47 16)

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.



Plumbing			22
Plumbing Fixtures			22 40
Drinking Fountains and Water Coolers			22 47

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 47 16 00-0041	EA		Removal And Reinstallation Of Wall Hung Water Cooler.....	454.31	
22 47 16 00-0042	EA		Removal And Reinstallation Of Floor Mount Water Cooler	101.35	

22 47 19 Water-Station Water Coolers (22 47)

22 47 19 00-0001			Bottle Filler (22 47 19)		
22 47 19 00-0002	EA		Outdoor Tubular Bottle Filling Station, Surface Mount (Elkay LK4410BF)	3,303.42	186.68
			For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0003	EA		Outdoor Tubular Bottle Filling Station, Surface Mount, Freeze Resistant (Elkay LK4410BFFRK)	4,172.86	186.68
			For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0004	EA		Tri-level Outdoor Tubular Bottle Filling Station With Single Bottle Filler And Two Drinking Fountain Basins, Surface Mount (Elkay LK4430BF1)	5,352.22	210.02
			For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0005	EA		Tri-level Outdoor Tubular Bottle Filling Station With Two Bottle Fillers And Single Drinking Fountain Basin, Surface Mount (Elkay LK4430BF2)	5,780.73	210.02
			For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0006	EA		Tri-level Outdoor Tubular Bottle Filling Station With Three Bottle Fillers, Surface Mount (Elkay LK4430BF3)	6,209.23	210.02
			For Stainless Steel Carrier, Add	205.00	

22 47 23 Remote Water Coolers (22 47)

22 47 23 00-0001			Remote Chillers (22 47 23)		
22 47 23 00-0002	EA		1.5 GPH Remote Chiller (Halsey-Taylor SJ1-Q)	800.06	63.01
22 47 23 00-0003	EA		5 GPH Remote Chiller (Halsey-Taylor SJ5-Q)	1,211.42	70.01
22 47 23 00-0004	EA		8 GPH Remote Chiller (Halsey-Taylor SJ8-Q)	1,044.92	81.67
22 47 23 00-0005	EA		10 GPH Remote Chiller (Halsey-Taylor SJ10-Q)	1,342.55	93.34
22 47 23 00-0006	EA		19 GPH Remote Chiller (Halsey-Taylor SJ19-Q)	2,101.91	140.01
22 47 23 00-0007	EA		30 GPH Remote Chiller (Halsey-Taylor SJ30-Q)	2,278.86	151.68

22 47 26 Fixture Carriers (22 47)

22 47 26 00-0001			Water Cooler Carriers (22 47 26)		
22 47 26 00-0002			Floor Mounted, Water Cooler Carriers (22 47 26 00-0001)		
			Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 47 26 00-0003	EA		Floor Mounted Hanger Plate Type, Single Water Cooler Carrier	400.54	35.47
			For Up To 4" Extension Sleeves And Hardware, Add	18.77	
			For Bi-Level Carrier, Add	218.38	
22 47 26 00-0004	EA		Floor Mounted Bearing Plate Type, Single Water Cooler Carrier.....	434.50	35.47
			For Up To 4" Extension Sleeves And Hardware, Add	18.77	
			For Bi-Level Carrier, Add	218.38	

22 50 Pool and Fountain Plumbing Systems (22)

22 51 Swimming Pool Plumbing Systems (22 50)

22 51 13 Swimming Pool Piping (22 51)

22 51 13 00-0001			Swimming Pool Gutters (22 51 13)		
22 51 13 00-0002	LF		Swimming Pool Gutters, Stainless	271.72	21.01

22 51 13 00-0003 Pool Drains (22 51 13)

22 51 13 00-0004			Cast Iron Pool Drain With Bottom Outlet (22 51 13 00-0003)		
			Note: Large square top and 24" loose set round super-flo grate.		
22 51 13 00-0005	EA		Cast Iron Pool Drain, 4" - 8" Bottom Outlet, Large Square Top And 24" Super-Flo Grate	1,919.53	58.80
			For Polished Bronze Top, Add	769.60	
			For Chromium Plated Top, Add	805.00	
			For Galvanized Top, Add	276.40	
			For Vandal Proof Construction, Add	57.20	

22 51 13 00-0006 Cast Iron Pool Drain With Waterproof Flange (22 51 13 00-0003)

			Note: Bottom outlet 14" square top and loose set square flange.		
22 51 13 00-0007	EA		Cast Iron Pool Drain, 2" - 4" Bottom Outlet With Waterproof Flange And 14" Square Top	583.42	58.80
			For Clamp Device, Add	13.80	
			For Galvanized Top, Add	38.10	
			For Polished Bronze Top, Add	133.50	
			For Chromium Plated Top, Add	146.90	
			For Hinge Grate, Add	28.60	
			For Supplementary Strainer, Add	7.00	
			For Threaded Outlet, Add	9.50	
			For Vandal Proof Construction, Add	17.10	
			For Ground Screw, Add	18.30	

22 51 13 00-0008 Pool Supply Fittings (22 51 13)

22 Plumbing**22 50 Pool and Fountain Plumbing Systems****22 51 Swimming Pool Plumbing Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 13 00-0009			Cast Iron Pool Supply Fittings (22 51 13 00-0008) Note: Includes polished bronze head and anchor flange and adjustable V-ported valve insert and threaded inlet.		
22 51 13 00-0010	EA		Cast Iron Pool Fitting For 2" Pipe.....	736.64	105.01
			For Galvanized Head, Add.....	26.30	
			For Vandal Proof Construction, Add.....	11.50	
			For Grounding Screw, Add.....	18.30	
22 51 13 00-0011	EA		Cast Iron Pool Fitting For 3" Pipe.....	736.64	105.01
			For Chromium Plated Head, Add.....	11.50	
			For Galvanized Head, Add.....	26.30	
			For Vandal Proof Construction, Add.....	11.50	
			For Grounding Screw, Add.....	18.30	
22 51 16			Swimming Pool Pumps (22 51)		
22 51 16 00-0001			Variable Speed Pool Pumps (22 51 16)		
22 51 16 00-0002	EA		3 HP, Variable Speed Pool Pump With Vacuum Release (Pentair INTELLIFLO VS+SVRS 11017).....	2,063.83	396.69
22 51 16 00-0003	EA		Variable Speed Pool Pump (Hayward EcoStar SVRS SP3400VSP).....	2,244.12	396.69
22 51 16 00-0004	EA		Variable Speed Pool Pump With Vacuum Release (Hayward EcoStar SVRS SP3400VSPVR).....	2,486.11	396.69
22 51 16 00-0005			Electric Powered Portable Vacuum Cleaner Pump (22 51 16) Note: Includes 75' of 3 wire electric safety cord.		
22 51 16 00-0006	EA		1 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord.....	343.16	46.67
22 51 16 00-0007	EA		1-1/2 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord.....	616.00	46.67
22 51 16 00-0008			Gasoline Driven Portable Vacuum Cleaner Pump (22 51 16)		
22 51 16 00-0009	EA		3 HP Gasoline Driven Portable Vacuum Cleaner Pump.....	2,429.86	46.67
22 51 19			Swimming Pool Water Treatment Equipment (22 51)		
22 51 19 00-0001			Condensing Pool Water Heater (22 51 19)		
22 51 19 00-0002	EA		372 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN400).....	26,217.07	668.89
22 51 19 00-0003	EA		467 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN501).....	28,615.86	802.67
22 51 19 00-0004	EA		567 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN601).....	31,372.59	869.56
22 51 19 00-0005	EA		660 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN701).....	38,443.82	936.45
22 51 19 00-0006	EA		773 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN801).....	39,899.82	1,003.33
22 51 19 00-0007	EA		967 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1015).....	60,249.42	1,204.00
22 51 19 00-0008	EA		1,257 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1320).....	77,007.39	1,270.89
22 51 19 00-0009	EA		1,450 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1520).....	80,148.79	1,371.23
22 51 19 00-0010			Non Condensing Pool Water Heater (22 51 19)		
22 51 19 00-0011	EA		500 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN0502).....	14,489.61	869.56
22 51 19 00-0012	EA		650 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN0652).....	15,449.54	936.45
22 51 19 00-0013	EA		750 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN0752).....	16,818.83	1,003.33
22 51 19 00-0014	EA		990 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN0992).....	22,136.69	1,204.00
22 51 19 00-0015	EA		1,260 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN1262).....	25,560.90	1,270.89
22 51 19 00-0016	EA		1,440 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN1442).....	27,297.74	1,371.23
22 51 19 00-0017	EA		1,800 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN1802).....	27,105.18	1,438.12
22 51 19 00-0018	EA		2,070 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN2072).....	34,844.40	1,471.56
22 51 19 00-0019			Swimming Pool Heaters (22 51 19) Note: Excludes wiring, external piping, base or pad. Commercial pools.		
22 51 19 00-0020			Electric Pool Heaters (22 51 19 00-0019)		
22 51 19 00-0021	EA		12 KW Heater (1 Degree/Hour), For 4,800 Gallon Pool.....	5,012.15	186.68
22 51 19 00-0022	EA		18 KW Heater (1 Degree/Hour), For 7,200 Gallon Pool.....	5,613.87	200.68
22 51 19 00-0023	EA		24 KW Heater (1 Degree/Hour), For 9,600 Gallon Pool.....	6,221.15	233.35
22 51 19 00-0024	EA		30 KW Heater (1 Degree/Hour), For 12,000 Gallon Pool.....	6,538.51	280.02
22 51 19 00-0025	EA		36 KW Heater (1 Degree/Hour), For 14,400 Gallon Pool.....	7,073.66	392.03
22 51 19 00-0026	EA		60 KW Heater (1 Degree/Hour), For 24,000 Gallon Pool.....	7,950.07	560.03
22 51 19 00-0027			Gas Fired Pool Heaters (22 51 19 00-0019)		
22 51 19 00-0028	EA		120 MBH Output Gas Fired Pool Heater.....	5,178.01	900.87
22 51 19 00-0029	EA		180 MBH Output Gas Fired Pool Heater.....	5,881.39	1,029.56
22 51 19 00-0030	EA		240 MBH Output Gas Fired Pool Heater.....	6,645.81	1,158.25
22 51 19 00-0031	EA		300 MBH Output Gas Fired Pool Heater.....	7,645.69	1,415.65
22 51 19 00-0032	EA		360 MBH Output Gas Fired Pool Heater.....	7,872.47	1,493.60
22 51 19 00-0033	EA		400 MBH Output Gas Fired Pool Heater.....	9,233.54	1,830.41



Plumbing			22
Pool and Fountain Plumbing Systems			22 50
Swimming Pool Plumbing Systems			22 51

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0034	EA	500 MBH Output Gas Fired Pool Heater.....	14,545.98	2,112.00
22 51 19 00-0035	EA	600 MBH Output Gas Fired Pool Heater.....	16,870.46	2,323.20
22 51 19 00-0036	EA	750 MBH Output Gas Fired Pool Heater.....	19,026.56	2,534.41
22 51 19 00-0037	EA	1,000 MBH Output Gas Fired Pool Heater.....	24,402.77	2,992.01
22 51 19 00-0038		Surge Tanks (22 51 19) Note: Includes 100 GPM vertical pump with 2 HP motor and electronic float switch. Prices are for 1' To 5' sump depth for pump.		
22 51 19 00-0039	EA	1,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	13,540.44	735.99
22 51 19 00-0040	EA	1,500 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	15,114.28	735.99
22 51 19 00-0041	EA	2,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	18,317.12	940.53
22 51 19 00-0042	EA	5,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	24,522.98	1,517.92
22 51 19 00-0043		Diatomite Type Filter System (22 51 19)		
22 51 19 00-0044	EA	35,000 Gallon Filter System, Diatomite.....	13,795.14	2,643.76
22 51 19 00-0045	EA	45,000 Gallon Filter System, Diatomite.....	16,415.87	3,172.52
22 51 19 00-0046		Silver Recovery System, X-Ray Film Processing (22 51 19)		
22 51 19 00-0047	EA	20 Gallon/Day Capacity, Silver Recovery System.....	2,186.38	316.71
22 51 19 00-0048	EA	40 Gallon/Day Capacity, Silver Recovery System.....	3,244.59	422.31
22 51 19 00-0049		Inline Water Filter (22 51 19) Note: 3/8" NPT threaded inlet and outlet, 125 PSI, includes one filter cartridge.		
22 51 19 00-0050	EA	2 GPM Water Filter, 100 Degree Temperature, 8" x 5" Diameter, Plastic Body.....	265.37	93.34
22 51 19 00-0051	EA	6 GPM Water Filter, 250 Degree Temperature, 12" x 5" Diameter, Stainless Steel Body.....	525.57	140.01
22 51 19 00-0052		Horizontal High Rate Sand Filters (22 51 19) Note: Includes sand, filter system equipment and attached accessory gauges.		
22 51 19 00-0053	EA	135-270 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 1 tank, 4" pipe size, Miami Tanks model # HH3614-A.	27,075.82	1,995.96
22 51 19 00-0054	EA	135-270 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 1 tank, 4" pipe size, Miami tanks model # HH3614-M.	16,943.91	1,995.96
22 51 19 00-0055	EA	270-405 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 2 tank, 4" pipe size, Miami tanks model # HH3624-A.	38,132.71	3,991.91
22 51 19 00-0056	EA	270-405 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 2 tank, 4" pipe size, Miami tanks model # HH3624-M.	30,619.64	3,991.91
22 51 19 00-0057	EA	270-540 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 2 tank, 6" pipe size, Miami tanks model # HH3626-A.	39,138.93	3,991.91
22 51 19 00-0058	EA	270-540 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 2 tank, 6" pipe size, Miami tanks model # HH3626-M.	31,776.12	3,991.91
22 51 19 00-0059	EA	405-810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 3 tank, 6" pipe size, Miami tanks model # HH3636-A.	53,772.40	5,987.87
22 51 19 00-0060	EA	405-810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 3 tank, 6" pipe size, Miami tanks model # HH3636-M.	42,596.70	5,987.87
22 51 19 00-0061	EA	405-810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 3 tank, 8" pipe size, Miami tanks model # HH3638-A.	55,221.35	5,987.87
22 51 19 00-0062	EA	405-810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 3 tank, 8" pipe size, Miami tanks model # HH3638-M.	46,788.31	5,987.87
22 51 19 00-0063	EA	540-810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 4 tank, 6" pipe size, Miami tanks model # HH3646-A.	69,548.82	7,983.83
22 51 19 00-0064	EA	540-810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 4 tank, 6" pipe size, Miami tanks model # HH3646-M.	60,079.67	7,983.83
22 51 19 00-0065	EA	675 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 5 tank, 6" pipe size, Miami tanks model # HH3656-A.	84,711.52	9,979.79
22 51 19 00-0066	EA	675 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 5 tank, 6" pipe size, Miami tanks model # HH3656-M.	72,516.19	9,979.79
22 51 19 00-0067	EA	675-1350 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 5 tank, 8" pipe size, Miami tanks model # HH3658-A.	86,935.92	9,979.79
22 51 19 00-0068	EA	675-1350 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 5 tank, 8" pipe size, Miami tanks model # HH3658-M.	74,947.97	9,979.79
22 51 19 00-0069	EA	810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 6 tank, 6" pipe size, Miami tanks model # HH3666-A.	100,655.29	11,975.74
22 51 19 00-0070	EA	810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 6 tank, 6" pipe size, Miami tanks model # HH3666-M.	87,088.83	11,975.74
22 51 19 00-0071	EA	810-1620 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 6 tank, 8" pipe size, Miami tanks model # HH3668-A.	102,597.95	11,975.74
22 51 19 00-0072	EA	810-1620 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 6 tank, 8" pipe size, Miami tanks model # HH3668-M.	88,670.64	11,975.74
22 51 19 00-0073	EA	810-1620 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 6 tank, 10" pipe size, Miami tanks model # HH36610-A.	105,198.01	11,975.74
22 51 19 00-0074	EA	810-1620 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 6 tank, 10" pipe size, Miami tanks model # HH36610-M.	85,323.26	11,975.74
22 51 19 00-0075	EA	945-1418 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 7 tank, 8" pipe size, Miami tanks model # HH3678-A.	118,553.23	13,971.70
22 51 19 00-0076	EA	945-1418 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 7 tank, 8" pipe size, Miami tanks model # HH3678-M.	104,985.81	13,971.70
22 51 19 00-0077	EA	945-1890 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 7 tank, 10" pipe size, Miami tanks model # HH36710-A.	121,823.14	13,971.70

22 Plumbing**22 50 Pool and Fountain Plumbing Systems****22 51 Swimming Pool Plumbing Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0078 EA 945-1890 GPM Horizontal Hi-Rate Sand Filter, Manual Controls Note: 7 tank, 10" pipe size, Miami tanks model # HH36710-M.	107,889.07	13,971.70
22 51 19 00-0079 EA 1080-2160 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls Note: 8 tank, 10" pipe size, Miami tanks model # HH36810-A.	135,799.94	15,967.66
22 51 19 00-0080 EA 1080-2160 GPM Horizontal Hi-Rate Sand Filter, Manual Controls Note: 8 tank, 10" pipe size, Miami tanks model # HH36810-M.	122,016.13	15,967.66
22 51 19 00-0081 Swimming Pool Chlorinators (22 51 19)		
22 51 19 00-0082 EA Swimming Pool Chlorinator, 50-100 PPD, Direct Cylinder Mounted Gas Chlorinator	1,054.15	133.48
22 51 19 00-0083 Ultra-Violet Pool Treatment Lights (22 51 19)		
22 51 19 00-0084 Stainless Steel Ultra-Violet Pool Treatment Lights (22 51 19 00-0083) Note: Delta ELP Amalgam Series		
22 51 19 00-0085 EA 3" Flanged, 79 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	10,117.70	291.00
22 51 19 00-0086 EA 3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	10,691.84	291.00
22 51 19 00-0087 EA 3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	11,183.97	291.00
22 51 19 00-0088 EA 4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	11,540.14	308.21
22 51 19 00-0089 EA 4" Flanged, 295 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	11,784.03	308.21
22 51 19 00-0090 EA 4" Flanged, 329 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	13,998.55	308.21
22 51 19 00-0091 EA 6" Flanged, 396 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	16,588.21	555.98
22 51 19 00-0092 EA 6" Flanged, 440 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	24,512.13	555.98
22 51 19 00-0093 EA 6" Flanged, 650 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	26,892.72	555.98
22 51 19 00-0094 EA 8" Flanged, 695 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	28,861.93	667.01
22 51 19 00-0095 EA 8" Flanged, 920 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	30,982.43	667.01
22 51 19 00-0096 EA 8" Flanged, 1140 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	32,462.80	667.01
22 51 19 00-0097 EA 8" Flanged, 1260 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	34,063.19	667.01
22 51 19 00-0098 EA 10" Flanged, 1510 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	36,600.95	758.17
22 51 19 00-0099 EA 10" Flanged, 1760 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	39,401.64	758.17
22 51 19 00-0100 EA 10" Flanged, 2010 GPM, 8 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	42,202.31	758.17
22 51 19 00-0101 EA 10" Flanged, 2520 GPM, 10 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	45,603.14	758.17
22 51 19 00-0102 HDPE Ultra-Violet Pool Treatment Lights (22 51 19 00-0083) Note: Delta EL Series		
22 51 19 00-0103 EA 3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	5,086.50	291.00
22 51 19 00-0104 EA 3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	5,646.62	291.00
22 51 19 00-0105 EA 4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	6,232.70	308.21
22 51 19 00-0106 In-Line, Stainless Steel Ultra-Violet Pool Treatment Lights (22 51 19 00-0083) Note: Delta EM Series		
22 51 19 00-0107 EA 3" Flanged, 100 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	19,489.98	291.00
22 51 19 00-0108 EA 3" Flanged, 170 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	19,690.01	291.00
22 51 19 00-0109 EA 6" Flanged, 300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	21,099.32	555.98
22 51 19 00-0110 EA 6" Flanged, 600 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	26,676.66	555.98
22 51 19 00-0111 EA 8" Flanged, 1300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	37,183.94	667.01
22 51 19 00-0112 EA 10" Flanged, 2000 GPM, 2 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	41,962.26	758.17
22 51 19 00-0113 EA 12" Flanged, 3000 GPM, 3 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	49,502.47	981.10
22 51 19 00-0114 EA 12" Flanged, 4000 GPM, 4 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	55,503.91	981.10
22 51 23 Swimming Pool Equipment Controls (22 51)		
22 51 23 00-0001 Pool Pump Variable Frequency Drive (22 51 23) Note: Pentair Acu Drive XS		
22 51 23 00-0002 EA 3 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01)	3,267.36	205.16
22 51 23 00-0003 EA 5 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01)	3,511.76	230.82
22 51 23 00-0004 EA 7-1/2 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01)	4,210.24	288.52
22 51 23 00-0005 EA 10 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01)	4,490.07	344.30
22 51 23 00-0006 EA 15 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01)	4,816.69	400.72
22 51 23 00-0007 EA 20 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01)	5,460.30	457.79
22 51 23 00-0008 EA 3 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01)	3,271.40	205.16
22 51 23 00-0009 EA 5 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01)	3,453.96	230.82
22 51 23 00-0010 EA 7-1/2 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01)	3,737.01	288.52
22 51 23 00-0011 EA 10 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01)	4,030.28	344.30
22 51 23 00-0012 EA 15 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01)	4,750.81	400.72
22 51 23 00-0013 EA 20 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01)	5,281.50	457.79



		Plumbing	22
		Pool and Fountain Plumbing Systems	22 50
		Swimming Pool Plumbing Systems	22 51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0014	EA		3 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01FB)	4,200.38	205.16
22 51 23 00-0015	EA		5 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01FB)	4,827.93	230.82
22 51 23 00-0016	EA		7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01FB)	5,377.17	288.52
22 51 23 00-0017	EA		10 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01FB)	5,808.92	344.30
22 51 23 00-0018	EA		15 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01FB)	6,837.32	400.72
22 51 23 00-0019	EA		20 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01FB)	7,710.83	457.79
22 51 23 00-0020	EA		3 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01FB)	4,505.56	205.16
22 51 23 00-0021	EA		5 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01FB)	4,691.07	230.82
22 51 23 00-0022	EA		7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01FB)	4,969.82	288.52
22 51 23 00-0023	EA		10 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01FB)	5,264.44	344.30
22 51 23 00-0024	EA		15 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01FB)	6,010.52	400.72
22 51 23 00-0025	EA		20 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01FB)	6,582.88	457.79
22 51 23 00-0026	EA		1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12)	3,112.54	205.16
22 51 23 00-0027	EA		3/4 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12)	3,163.23	205.16
22 51 23 00-0028	EA		1 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12)	3,194.54	205.16
22 51 23 00-0029	EA		1-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12)	3,278.90	205.16
22 51 23 00-0030	EA		2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12)	3,406.33	205.16
22 51 23 00-0031	EA		3 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12)	3,505.19	205.16
22 51 23 00-0032	EA		5 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12)	3,756.31	230.82
22 51 23 00-0033	EA		7-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12)	4,482.99	288.52
22 51 23 00-0034	EA		10 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12)	4,807.31	344.30
22 51 23 00-0035	EA		15 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12)	5,143.39	400.72
22 51 23 00-0036	EA		20 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12)	5,844.68	457.79
22 51 23 00-0037	EA		25 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12)	7,666.57	570.63
22 51 23 00-0038	EA		30 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12)	8,462.57	628.33
22 51 23 00-0039	EA		40 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12)	9,990.71	686.03
22 51 23 00-0040	EA		50 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12)	11,625.44	801.45
22 51 23 00-0041	EA		60 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12)	12,728.80	859.15
22 51 23 00-0042	EA		1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12)	3,175.70	205.16
22 51 23 00-0043	EA		3/4 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12)	3,241.16	205.16
22 51 23 00-0044	EA		1 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12)	3,323.52	205.16
22 51 23 00-0045	EA		1-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12)	3,394.32	205.16
22 51 23 00-0046	EA		2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12)	3,466.46	205.16
22 51 23 00-0047	EA		3 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12)	3,542.59	205.16
22 51 23 00-0048	EA		5 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12)	3,730.93	230.82
22 51 23 00-0049	EA		7-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12)	4,016.79	288.52
22 51 23 00-0050	EA		10 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12)	4,316.80	344.30
22 51 23 00-0051	EA		15 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12)	5,240.38	400.72
22 51 23 00-0052	EA		20 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12)	5,782.96	457.79
22 51 23 00-0053	EA		25 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12)	6,395.67	570.63
22 51 23 00-0054	EA		30 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12)	7,228.42	628.33
22 51 23 00-0055	EA		40 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12)	8,153.13	686.03

22 Plumbing**22 50 Pool and Fountain Plumbing Systems****22 51 Swimming Pool Plumbing Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0056	EA	50 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12).....	9,978.68	801.45
22 51 23 00-0057	EA	60 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12).....	10,955.98	859.15
22 51 23 00-0058	EA	75 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12).....	12,270.36	916.85
22 51 23 00-0059	EA	100 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12).....	14,500.44	971.35
22 51 23 00-0060	EA	125 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12).....	16,691.83	1,025.84
22 51 23 00-0061	EA	150 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12).....	18,115.99	1,147.66
22 51 23 00-0062	EA	200 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12).....	21,121.74	1,256.66
22 51 23 00-0063	EA	1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12FB).....	4,463.75	205.16
22 51 23 00-0064	EA	3/4 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12FB).....	4,514.43	205.16
22 51 23 00-0065	EA	1 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12FB).....	4,545.74	205.16
22 51 23 00-0066	EA	1-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12FB).....	4,630.10	205.16
22 51 23 00-0067	EA	2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12FB).....	4,757.54	205.16
22 51 23 00-0068	EA	3 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12FB).....	4,856.39	205.16
22 51 23 00-0069	EA	5 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12FB).....	5,107.51	230.82
22 51 23 00-0070	EA	7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12FB).....	5,681.22	288.52
22 51 23 00-0071	EA	10 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12FB).....	6,161.77	344.30
22 51 23 00-0072	EA	15 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12FB).....	7,217.25	400.72
22 51 23 00-0073	EA	20 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12FB).....	8,157.95	457.79
22 51 23 00-0074	EA	25 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12FB).....	9,613.45	570.63
22 51 23 00-0075	EA	30 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12FB).....	10,583.79	628.33
22 51 23 00-0076	EA	40 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12FB).....	13,483.11	686.03
22 51 23 00-0077	EA	50 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12FB).....	17,745.18	801.45
22 51 23 00-0078	EA	60 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12FB).....	19,495.42	859.15
22 51 23 00-0079	EA	1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12FB).....	4,444.57	205.16
22 51 23 00-0080	EA	3/4 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12FB).....	4,510.02	205.16
22 51 23 00-0081	EA	1 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12FB).....	4,592.39	205.16
22 51 23 00-0082	EA	1-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12FB).....	4,663.19	205.16
22 51 23 00-0083	EA	2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12FB).....	4,735.31	205.16
22 51 23 00-0084	EA	3 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12FB).....	4,811.46	205.16
22 51 23 00-0085	EA	5 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12FB).....	4,999.80	230.82
22 51 23 00-0086	EA	7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12FB).....	5,284.29	288.52
22 51 23 00-0087	EA	10 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12FB).....	5,584.30	344.30
22 51 23 00-0088	EA	15 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12FB).....	6,535.40	400.72
22 51 23 00-0089	EA	20 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12FB).....	7,120.57	457.79
22 51 23 00-0090	EA	25 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12FB).....	7,823.95	570.63
22 51 23 00-0091	EA	30 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12FB).....	8,813.09	628.33
22 51 23 00-0092	EA	40 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12FB).....	10,417.77	686.03
22 51 23 00-0093	EA	50 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12FB).....	11,991.34	801.45
22 51 23 00-0094	EA	60 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12FB).....	13,339.56	859.15
22 51 23 00-0095	EA	75 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12FB).....	15,464.41	916.85
22 51 23 00-0096	EA	100 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12FB).....	20,317.97	971.35
22 51 23 00-0097	EA	125 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12FB).....	22,461.37	1,025.84



		Plumbing	22
		Pool and Fountain Plumbing Systems	22 50
		Swimming Pool Plumbing Systems	22 51

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0098	EA	150 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12FB)	28,174.01	1,147.66
22 51 23 00-0099	EA	200 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12FB)	33,075.51	1,256.66
22 51 23 00-0100	EA	380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 3 Year Extended Warranty (Pentair AD-EWW136)	300.18	
22 51 23 00-0101	EA	380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 3 Year Extended Warranty (Pentair AD-EWW236)	479.01	
22 51 23 00-0102	EA	380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 6 Year Extended Warranty (Pentair AD-EWW172)	530.10	
22 51 23 00-0103	EA	380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 6 Year Extended Warranty (Pentair AD-EWW272)	900.53	
22 51 23 00-0104	EA	380+ Volt AC, 50 To 125 HP, 260 Volt AC, 30 To 60 HP, 6 Year Extended Warranty (Pentair AD-EWW372)	1,718.04	
22 51 23 00-0105	EA	3" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4203KIT)	1,085.27	
22 51 23 00-0106	EA	4" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4204KIT)	1,135.06	
22 51 23 00-0107	EA	6" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4206KIT)	1,239.29	
22 51 23 00-0108	EA	8" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4208KIT)	1,329.94	
22 51 23 00-0109	EA	3" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-03KIT)	1,548.58	
22 51 23 00-0110	EA	4" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-04KIT)	1,595.39	
22 51 23 00-0111	EA	6" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-06KIT)	1,694.91	
22 51 23 00-0112	EA	8" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-08KIT)	1,782.77	
22 51 23 00-0113	EA	10" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-10KIT)	2,129.79	
22 51 23 00-0114	EA	12" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-12KIT)	2,139.93	
22 51 23 00-0115		Eco-Flow-E Aquatic Variable Frequency Drive And Options (22 51 23)		
22 51 23 00-0116		Eco-Flow-E Aquatic Variable Frequency Drive (22 51 23 00-0115)		
22 51 23 00-0117	EA	2 HP, 480 Volt, 3 Phase, 4 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-04-12-4)	2,613.45	170.98
		For Bypass Panel, Add	629.95	
22 51 23 00-0118	EA	3 HP, 480 Volt, 3 Phase, 6 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-06-12-4)	2,615.87	170.98
		For Bypass Panel, Add	629.95	
22 51 23 00-0119	EA	5 HP, 480 Volt, 3 Phase, 8 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-4)	2,671.51	192.35
		For Bypass Panel, Add	629.95	
22 51 23 00-0120	EA	7-1/2 HP, 480 Volt, 3 Phase, 12 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-4)	2,794.31	240.43
		For Bypass Panel, Add	629.95	
22 51 23 00-0121	EA	10 HP, 480 Volt, 3 Phase, 16 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-4)	3,036.50	286.91
		For Bypass Panel, Add	629.95	
22 51 23 00-0122	EA	15 HP, 480 Volt, 3 Phase, 24 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-4)	3,387.05	333.94
		For Bypass Panel, Add	740.55	
22 51 23 00-0123	EA	20 HP, 480 Volt, 3 Phase, 30 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-30-12-4)	3,985.50	381.48
		For Bypass Panel, Add	740.55	
22 51 23 00-0124	EA	25 HP, 480 Volt, 3 Phase, 39 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-39-12-4)	4,191.56	477.66
		For Bypass Panel, Add	740.55	
22 51 23 00-0125	EA	30 HP, 480 Volt, 3 Phase, 45 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-45-12-4)	4,989.24	525.21
		For Bypass Panel, Add	740.55	
22 51 23 00-0126	EA	40 HP, 480 Volt, 3 Phase, 61 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-61-12-4)	5,161.53	572.23
		For Bypass Panel, Add	894.71	
22 51 23 00-0127	EA	1/2 HP, 208/230 Volt, 1 Phase (1 HP, 208/230 Volt, 3 Phase) 8 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-2)	2,599.74	170.98
		For Bypass Panel, Add	629.95	
22 51 23 00-0128	EA	1 HP, 208/230 Volt, 1 Phase (2 HP, 208/230 Volt, 3 Phase) 12 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-2)	2,602.96	170.98
		For Bypass Panel, Add	629.95	
22 51 23 00-0129	EA	1-1/2 HP, 208/230 Volt, 1 Phase (3 HP, 208/230 Volt, 3 Phase) 16 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-2)	2,618.29	170.98
		For Bypass Panel, Add	629.95	
22 51 23 00-0130	EA	5 HP, 208/230 Volt, 1 Phase, 24 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-2)	2,684.42	192.35
		For Bypass Panel, Add	740.55	
22 51 23 00-0131	EA	3 HP, 208/230 Volt, 1 Phase (7-1/2 HP, 208/230 Volt, 3 Phase) 32 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-32-12-2)	2,933.06	240.43
		For Bypass Panel, Add	740.55	
22 51 23 00-0132	EA	5 HP, 208/230 Volt, 1 Phase (10 HP, 208/230 Volt, 3 Phase) 46 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-46-12-2)	3,280.11	286.91
		For Bypass Panel, Add	740.55	
22 51 23 00-0133	EA	7-1/2 HP, 208/230 Volt, 1 Phase (15 HP, 208/230 Volt, 3 Phase) 60 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-60-12-2)	3,883.14	333.94
		For Bypass Panel, Add	894.71	
22 51 23 00-0134	EA	10 HP, 208/230 Volt, 1 Phase (20 HP, 208/230 Volt, 3 Phase) 74 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-74-12-2)	3,993.56	381.48
		For Bypass Panel, Add	894.71	

22 Plumbing**22 50 Pool and Fountain Plumbing Systems****22 51 Swimming Pool Plumbing Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0135	EA	25 HP, 208/230 Volt, 1 Phase, 88 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-88-12-2).....	4,882.85	477.66
		<i>For Bypass Panel, Add</i>	1,197.30	
22 51 23 00-0136	EA	15 HP, 208/230 Volt, 1 Phase (30 HP, 208/230 Volt, 3 Phase) 124 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-124-12-2)	5,057.00	525.21
		<i>For Bypass Panel, Add</i>	1,627.34	
22 51 23 00-0137 Eco-Flow-E Aquatic Variable Frequency Drive Options (22 51 23 00-0115)				
22 51 23 00-0138	EA	0 To 30 PSI, 1/4" NPT Male Thread, 4 To 20 mA Output, 10' Cable, Pressure Sensor (H2Flow PS-30).....	387.81	80.14
22 51 23 00-0139	EA	0 To 100 PSI, 1/4" NPT Male Thread, 4 To 20 mA Output, 10' Cable, Pressure Sensor (H2Flow PS-100).....	387.81	80.14
22 51 23 00-0140	EA	Lightning Arrestor (H2Flow LA).....	395.64	53.43
22 51 23 00-0141	EA	2 HP, 480 Volt, (3/4 HP, 208/230 Volt) Load Reactor (TCI V1K4A00).....	425.60	24.04
22 51 23 00-0142	EA	3 HP, 480 Volt, (1 To 1-1/2 HP, 208/230 Volt) Load Reactor (TCI V1K6A00).....	440.62	26.72
22 51 23 00-0143	EA	5 HP, 480 Volt, (2 HP, 208/230 Volt) Load Reactor (TCI V1K8A00).....	452.42	29.39
22 51 23 00-0144	EA	7-1/2 HP, 480 Volt, (3 HP, 208/230 Volt) Load Reactor (TCI V1K12A00).....	473.09	32.06
22 51 23 00-0145	EA	10 HP, 480 Volt, (5 HP, 208/230 Volt) Load Reactor (TCI V1K16A00).....	483.27	34.73
22 51 23 00-0146	EA	15 HP, 480 Volt, (7-1/2 HP, 208/230 Volt) Load Reactor (TCI V1K25A00).....	626.55	37.40
22 51 23 00-0147	EA	20 HP, 480 Volt, Load Reactor (TCI V1K27A00).....	653.66	40.07
22 51 23 00-0148	EA	25 HP, 480 Volt, (10 HP, 208/230 Volt) Load Reactor (TCI V1K35A00).....	683.20	42.75
22 51 23 00-0149	EA	30 HP, 480 Volt, (15 HP, 208/230 Volt) Load Reactor (TCI V1K45A00).....	711.94	45.42
22 51 23 00-0150	EA	40 HP, 480 Volt, (20 HP, 208/230 Volt) Load Reactor (TCI V1K55A00).....	737.45	48.09
22 51 23 00-0151	EA	25 To 30 HP, 208/230 Volt, Load Reactor (TCI V1K80A00).....	1,005.75	50.76
22 51 23 00-0152	EA	1 HP, 208/230 Volt, Line Reactor (TCI KDRA25L).....	139.74	26.72
22 51 23 00-0153	EA	2 HP, 208/230 Volt, Line Reactor (TCI KDRA27L).....	149.93	29.39
22 51 23 00-0154	EA	3 HP, 208/230 Volt, Line Reactor (TCI KDRA28L).....	167.37	32.06
22 51 23 00-0155	EA	5 HP, 208/230 Volt, Line Reactor (TCI KDRB22L).....	216.27	34.73
22 51 23 00-0156	EA	7-1/2 HP, 208/230 Volt, Line Reactor (TCI KDRB23L).....	241.78	37.40
22 51 23 00-0157	EA	10 HP, 208/230 Volt, Line Reactor (TCI KDRD25L).....	251.15	40.07
22 51 23 00-0158	EA	15 HP, 208/230 Volt, Line Reactor (TCI KDRD24L).....	260.52	42.75
22 51 23 00-0159	EA	20 HP, 208/230 Volt, Line Reactor (TCI KDRD26L).....	276.36	45.42
22 51 23 00-0160	EA	25 HP, 208/230 Volt, Line Reactor (TCI KDRC22L).....	344.62	48.09
22 51 23 00-0161	EA	30 HP, 208/230 Volt, Line Reactor (TCI KDRF24L).....	354.79	50.76
22 51 23 00-0162	EA	1 HP, 480 Volt, Line Reactor (TCI KDRA8L).....	140.55	26.72
22 51 23 00-0163	EA	2 HP, 480 Volt, Line Reactor (TCI KDRA1L).....	154.77	29.39
22 51 23 00-0164	EA	3 HP, 480 Volt, Line Reactor (TCI KDRA2L).....	169.79	32.06
22 51 23 00-0165	EA	5 HP, 480 Volt, Line Reactor (TCI KDRA3L).....	179.16	34.73
22 51 23 00-0166	EA	7-1/2 HP, 480 Volt, Line Reactor (TCI KDRA4L).....	187.74	37.40
22 51 23 00-0167	EA	10 HP, 480 Volt, Line Reactor (TCI KDRA5L).....	231.79	40.07
22 51 23 00-0168	EA	15 HP, 480 Volt, Line Reactor (TCI KDRB2L).....	241.97	42.75
22 51 23 00-0169	EA	20 HP, 480 Volt, Line Reactor (TCI KDRB1L).....	254.58	45.42
22 51 23 00-0170	EA	25 HP, 480 Volt, Line Reactor (TCI KDRD1L).....	263.95	48.09
22 51 23 00-0171	EA	30 HP, 480 Volt, Line Reactor (TCI KDRD2L).....	314.46	50.76
22 51 23 00-0172	EA	40 HP, 480 Volt, Line Reactor (TCI KDRC1L).....	341.59	53.43
22 51 23 00-0173	EA	Models 04 To 30, 304 SS Metric To English Conduit Adaptor Kit.....	55.81	
22 51 23 00-0174	EA	Models 32 To 46, 304 SS Metric To English Conduit Adaptor Kit.....	74.63	
22 51 23 00-0175	EA	Models 60 To 74, 304 SS Metric To English Conduit Adaptor Kit.....	91.83	
22 51 23 00-0176 Pool Flow Meters (22 51 23)				
22 51 23 00-0177	EA	20 To 110 GPM, 1-1/2" Retrofit Kit FlowVis For Existing Jandy Or Praher Valve Flow Meter (H2Flow FVJ-R-15).....	100.57	18.67
22 51 23 00-0178	EA	20 To 110 GPM, 2" x 2-1/2" Retrofit Kit FlowVis For Existing Jandy® Or Praher Valve Flow Meter (H2Flow FVJ-R).....	100.57	18.67
22 51 23 00-0179	EA	20 To 110 GPM, 1-1/2" Complete FlowVis Including Valve Body Flow Meter (H2Flow FV-C-15).....	159.71	35.00
22 51 23 00-0180	EA	20 To 110 GPM, 2" x 2-1/2" Complete FlowVis Including Valve Body Flow Meter (H2Flow FV-C).....	137.91	37.33
22 51 23 00-0181 Paddlewheel Flow Sensors (22 51 23)				
22 51 23 00-0182	EA	1/2" To 4" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P0).....	664.94	61.71
		Note: Includes 25' of cable (extendable to 200').		
22 51 23 00-0183	EA	1/2" To 4" Pipe, Polypropylene Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-PO).....	865.80	61.71
22 51 23 00-0184	EA	1/2" To 4" Pipe, Polypropylene Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-PO).....	865.80	61.71
22 51 23 00-0185	EA	1/2" To 4" Pipe, Polypropylene Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-PO).....	897.26	61.71
22 51 23 00-0186	EA	1/2" To 4" Pipe, Polypropylene Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-PO).....	931.14	61.71
22 51 23 00-0187	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-TO).....	995.26	61.71
22 51 23 00-0188	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-TO).....	995.26	61.71
22 51 23 00-0189	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-TO).....	1,035.19	61.71
22 51 23 00-0190	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-TO).....	1,073.91	61.71
22 51 23 00-0191	EA	>4" To 8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P1).....	692.77	61.71
		Note: Includes 25' of cable (extendable to 200').		
22 51 23 00-0192	EA	>4" To 8" Pipe, Polypropylene Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-P1).....	897.26	61.71
22 51 23 00-0193	EA	>4" To 8" Pipe, Polypropylene Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-P1).....	897.26	61.71
22 51 23 00-0194	EA	>4" To 8" Pipe, Polypropylene Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-P1).....	931.14	61.71



			Plumbing	22	22
			Pool and Fountain Plumbing Systems	22 50	
			Swimming Pool Plumbing Systems	22 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0195 EA >4" To 8" Pipe, Polypropylene Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-P1).....	962.59	61.71
22 51 23 00-0196 EA >8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P2).....	718.18	61.71
Note: Includes 25' of cable (extendable to 200').		
22 51 23 00-0197 EA 2" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S020).....	212.88	
22 51 23 00-0198 EA 4" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S040).....	294.40	
22 51 23 00-0199 EA 6" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S060).....	362.62	
22 51 23 00-0200 EA 8" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S080).....	445.36	
22 51 23 00-0201 EA 10" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S100).....	587.36	
22 51 23 00-0202 EA 12" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S120).....	597.50	
22 51 23 00-0203 EA 24 Volt DC, Power Supply 7.5 Watt, 300 mA (Signet 7300-7524)	225.84	17.09
22 51 23 00-0204 EA 24 Volt DC, Power Supply 15 Watt, 600 mA (Signet 7300-1524)	302.06	17.09
22 51 23 00-0205 EA 24 Volt DC, 30 Watt, 1.3 Amperes, Power Supply (Signet 7300-3024)	367.40	17.09
22 51 23 00-0206 EA 24 Volt DC, 50 Watt, 2.1 Amperes, Power Supply (Signet 7300-5024)	459.36	17.09
22 51 23 00-0207 EA 24 Volt DC, 100 Watt, 4.2 Amperes, Power Supply (Signet 7300-1024)	628.75	17.09

22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities⁽²²⁾

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities^(22 60)

22 66 53 Laboratory Chemical-Waste and Vent Piping^(22 66)

22 66 53 00-0001 Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings^(22 66 53)

22 66 53 00-0002 Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fuseal Fittings^(22 66 53 00-0001)

22 66 53 00-0003 Schedule 40 Polypropylene Acid Resistant DWV Pipe^(22 66 53 00-0002)

22 66 53 00-0004 LF 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	15.89	5.32
For Schedule 80, Add	4.10	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add	3.51	
For Work In Restricted Working Space, Add	2.40	
22 66 53 00-0005 LF 2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	19.67	5.97
For Schedule 80, Add	5.54	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add	4.74	
For Work In Restricted Working Space, Add	2.71	
22 66 53 00-0006 LF 3" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	32.29	8.68
For Schedule 80, Add	10.00	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add	8.56	
For Work In Restricted Working Space, Add	3.92	
22 66 53 00-0007 LF 4" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	44.27	11.29
For Schedule 80, Add	14.20	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add	12.15	
For Work In Restricted Working Space, Add	5.09	
22 66 53 00-0008 LF 6" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	74.10	16.62
For Schedule 80, Add	25.59	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add	21.90	
For Work In Restricted Working Space, Add	7.47	

22 66 53 00-0009 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends^(22 66 53 00-0002)

22 66 53 00-0010 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	61.87	20.07
For Work In Restricted Working Space, Add	9.03	
22 66 53 00-0011 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	79.17	26.51
For Work In Restricted Working Space, Add	11.92	
22 66 53 00-0012 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	112.50	30.33
For Work In Restricted Working Space, Add	13.66	
22 66 53 00-0013 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	166.83	40.14
For Work In Restricted Working Space, Add	18.07	
22 66 53 00-0014 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	350.91	59.27
For Work In Restricted Working Space, Add	26.67	

22 66 53 00-0015 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends^(22 66 53 00-0002)

22 66 53 00-0016 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	61.33	20.07
For Work In Restricted Working Space, Add	9.03	
22 66 53 00-0017 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	77.74	26.51
For Work In Restricted Working Space, Add	11.92	
22 66 53 00-0018 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	115.25	30.33
For Work In Restricted Working Space, Add	13.66	
22 66 53 00-0019 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	139.28	40.14
For Work In Restricted Working Space, Add	18.07	
22 66 53 00-0020 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	308.21	59.27
For Work In Restricted Working Space, Add	26.67	

22 66 53 00-0021 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees^(22 66 53 00-0002)

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0022	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	103.82 19.31	42.94
22 66 53 00-0023	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	128.43 24.35	54.13
22 66 53 00-0024	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	183.45 26.67	59.27
22 66 53 00-0025	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	258.28 35.00	77.84
22 66 53 00-0026	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	468.29 56.00	124.51
22 66 53 00-0027 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees (22 66 53 00-0002)				
22 66 53 00-0028	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	128.37 24.35	54.13
22 66 53 00-0029	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	176.85 26.67	59.27
22 66 53 00-0030	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	170.98 26.67	59.27
22 66 53 00-0031	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	243.23 35.00	77.84
22 66 53 00-0032	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	248.90 35.00	77.84
22 66 53 00-0033	EA	6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	426.38 56.00	124.51
22 66 53 00-0034 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug (22 66 53 00-0002)				
22 66 53 00-0035	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	123.08 19.31	42.94
22 66 53 00-0036	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	133.09 24.35	54.13
22 66 53 00-0037	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	197.71 26.67	59.27
22 66 53 00-0038	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	264.85 35.00	77.84
22 66 53 00-0039	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	387.03 56.00	124.51
22 66 53 00-0040 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes (22 66 53 00-0002)				
22 66 53 00-0041	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye <i>For Work In Restricted Working Space, Add</i>	114.63 19.31	42.94
22 66 53 00-0042	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye <i>For Work In Restricted Working Space, Add</i>	138.45 24.35	54.13
22 66 53 00-0043	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye <i>For Work In Restricted Working Space, Add</i>	189.41 26.67	59.27
22 66 53 00-0044	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye <i>For Work In Restricted Working Space, Add</i>	263.22 35.00	77.84
22 66 53 00-0045	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye <i>For Work In Restricted Working Space, Add</i>	558.70 56.00	124.51
22 66 53 00-0046 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes (22 66 53 00-0002)				
22 66 53 00-0047	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	151.68 24.35	54.13
22 66 53 00-0048	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	182.62 26.67	59.27
22 66 53 00-0049	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	182.62 26.67	59.27
22 66 53 00-0050	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	257.36 35.00	77.84
22 66 53 00-0051	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	257.36 35.00	77.84
22 66 53 00-0052	EA	6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	480.82 56.00	124.51
22 66 53 00-0053	EA	6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	485.38 56.00	124.51
22 66 53 00-0054	EA	6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	428.29 56.00	124.51
22 66 53 00-0055 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses (22 66 53 00-0002)				
22 66 53 00-0056	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross <i>For Work In Restricted Working Space, Add</i>	142.30 24.14	53.67
22 66 53 00-0057	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross <i>For Work In Restricted Working Space, Add</i>	175.55 30.44	67.67
22 66 53 00-0058	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross <i>For Work In Restricted Working Space, Add</i>	259.35 33.34	74.11



		Plumbing	22
Gas and Vacuum Systems for Laboratory and Healthcare Facilities		22 60	22
Chemical-Waste Systems for Laboratory and Healthcare Facilities		22 66	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0059	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	367.81	97.26
		<i>For Work In Restricted Working Space, Add</i>	43.75	
22 66 53 00-0060	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	674.80	155.60
		<i>For Work In Restricted Working Space, Add</i>	70.01	
22 66 53 00-0061 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends (22 66 53 00-0002)				
22 66 53 00-0062	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	100.29	42.94
		<i>For Work In Restricted Working Space, Add</i>	19.31	
22 66 53 00-0063	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	133.66	54.13
		<i>For Work In Restricted Working Space, Add</i>	24.35	
22 66 53 00-0064	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	156.05	59.27
		<i>For Work In Restricted Working Space, Add</i>	26.67	
22 66 53 00-0065	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	221.13	77.84
		<i>For Work In Restricted Working Space, Add</i>	35.00	
22 66 53 00-0066	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	118.04	54.13
		<i>For Work In Restricted Working Space, Add</i>	24.35	
22 66 53 00-0067	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	149.77	59.27
		<i>For Work In Restricted Working Space, Add</i>	26.67	
22 66 53 00-0068	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	152.29	59.27
		<i>For Work In Restricted Working Space, Add</i>	26.67	
22 66 53 00-0069	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	211.78	77.84
		<i>For Work In Restricted Working Space, Add</i>	35.00	
22 66 53 00-0070	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	213.38	77.84
		<i>For Work In Restricted Working Space, Add</i>	35.00	
22 66 53 00-0071 Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps (22 66 53 00-0002)				
22 66 53 00-0072	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	119.73	49.85
		<i>For Work In Restricted Working Space, Add</i>	22.40	
22 66 53 00-0073	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	160.25	65.53
		<i>For Work In Restricted Working Space, Add</i>	29.48	
22 66 53 00-0074	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	255.30	88.95
		<i>For Work In Restricted Working Space, Add</i>	40.01	
22 66 53 00-0075	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	374.65	113.22
		<i>For Work In Restricted Working Space, Add</i>	50.91	
22 66 53 00-0076 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters (22 66 53 00-0002)				
22 66 53 00-0077	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	60.38	20.07
		<i>For Work In Restricted Working Space, Add</i>	9.03	
22 66 53 00-0078	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	71.26	26.51
		<i>For Work In Restricted Working Space, Add</i>	11.92	
22 66 53 00-0079	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	84.57	30.33
		<i>For Work In Restricted Working Space, Add</i>	13.66	
22 66 53 00-0080	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	116.48	40.14
		<i>For Work In Restricted Working Space, Add</i>	18.07	
22 66 53 00-0081	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	173.15	59.27
		<i>For Work In Restricted Working Space, Add</i>	26.67	
22 66 53 00-0082 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters (22 66 53 00-0002)				
22 66 53 00-0083	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	56.58	20.07
		<i>For Work In Restricted Working Space, Add</i>	9.03	
22 66 53 00-0084	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	74.13	26.51
		<i>For Work In Restricted Working Space, Add</i>	11.92	
22 66 53 00-0085	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	89.83	30.33
		<i>For Work In Restricted Working Space, Add</i>	13.66	
22 66 53 00-0086	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	121.64	40.14
		<i>For Work In Restricted Working Space, Add</i>	18.07	
22 66 53 00-0087 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings (22 66 53 00-0002)				
22 66 53 00-0088	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	51.86	20.07
		<i>For Work In Restricted Working Space, Add</i>	9.03	
22 66 53 00-0089	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	65.65	26.51
		<i>For Work In Restricted Working Space, Add</i>	11.92	
22 66 53 00-0090	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	77.01	30.33
		<i>For Work In Restricted Working Space, Add</i>	13.66	
22 66 53 00-0091	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	101.84	40.14
		<i>For Work In Restricted Working Space, Add</i>	18.07	
22 66 53 00-0092	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	149.39	59.27
		<i>For Work In Restricted Working Space, Add</i>	26.67	
22 66 53 00-0093 Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53 00-0002)				
Note: Acid resistant. ASTM A518.				

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0094 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe (22 66 53 00-0093)		
22 66 53 00-0095 LF 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	91.13	8.31
22 66 53 00-0096 LF 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	128.23	10.36
22 66 53 00-0097 LF 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	174.43	11.95
22 66 53 00-0098 LF 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	286.79	17.14
22 66 53 00-0099 LF 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	505.56	22.89
22 66 53 00-0100 LF 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	893.50	28.87
22 66 53 00-0101 LF 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	1,592.63	38.88
22 66 53 00-0102 LF 15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	2,835.49	44.58
22 66 53 00-0103 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings (22 66 53 00-0093)		
22 66 53 00-0104 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps (22 66 53 00-0103)		
22 66 53 00-0105 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	365.06	70.75
22 66 53 00-0106 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	476.88	77.84
22 66 53 00-0107 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	773.80	93.15
22 66 53 00-0108 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	1,155.10	113.22
22 66 53 00-0109 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	2,649.24	183.94
22 66 53 00-0110 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends (22 66 53 00-0103)		
22 66 53 00-0111 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	213.24	70.75
22 66 53 00-0112 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	277.43	77.84
22 66 53 00-0113 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	348.11	93.15
22 66 53 00-0114 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	919.93	113.22
22 66 53 00-0115 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	2,082.74	183.94
22 66 53 00-0116 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	3,160.79	229.17
22 66 53 00-0117 EA 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	4,638.90	275.59
22 66 53 00-0118 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends (22 66 53 00-0103)		
22 66 53 00-0119 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	213.24	70.75
22 66 53 00-0120 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	277.43	77.84
22 66 53 00-0121 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	348.11	93.15
22 66 53 00-0122 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	675.83	113.22
22 66 53 00-0123 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	1,767.20	183.94
22 66 53 00-0124 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	2,580.75	229.17
22 66 53 00-0125 EA 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	3,656.98	275.59
22 66 53 00-0126 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends (22 66 53 00-0103)		
22 66 53 00-0127 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	213.24	70.75
22 66 53 00-0128 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	277.43	77.84
22 66 53 00-0129 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	347.89	93.06
22 66 53 00-0130 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps (22 66 53 00-0103)		
22 66 53 00-0131 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	290.63	70.75
22 66 53 00-0132 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	512.60	77.84
22 66 53 00-0133 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	574.35	93.15
22 66 53 00-0134 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees (22 66 53 00-0103)		
22 66 53 00-0135 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	301.63	105.85
22 66 53 00-0136 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	378.34	117.33
22 66 53 00-0137 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	525.63	140.10
22 66 53 00-0138 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	880.24	170.14
22 66 53 00-0139 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	2,679.42	276.14
22 66 53 00-0140 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	3,801.83	344.82
22 66 53 00-0141 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees (22 66 53 00-0103)		
22 66 53 00-0142 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	283.12	101.46
22 66 53 00-0143 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	330.04	108.93
22 66 53 00-0144 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	368.49	112.75
22 66 53 00-0145 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	421.85	124.51
22 66 53 00-0146 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	451.62	128.43
22 66 53 00-0147 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	495.92	132.27
22 66 53 00-0148 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	623.12	147.23
22 66 53 00-0149 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	690.84	151.03
22 66 53 00-0150 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	772.67	157.97
22 66 53 00-0151 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees (22 66 53 00-0103)		



		Plumbing	22
Gas and Vacuum Systems for Laboratory and Healthcare Facilities		22 60	22
Chemical-Waste Systems for Laboratory and Healthcare Facilities		22 66	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0152 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	343.25	105.85
22 66 53 00-0153 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	413.60	117.05
22 66 53 00-0154 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	564.29	140.10
22 66 53 00-0155 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees (22 66 53 00-0103)		
22 66 53 00-0156 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	324.78	101.46
22 66 53 00-0157 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	405.00	113.32
22 66 53 00-0158 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	487.88	128.81
22 66 53 00-0159 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	523.29	132.64
22 66 53 00-0160 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes (22 66 53 00-0103)		
22 66 53 00-0161 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	298.85	106.04
22 66 53 00-0162 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	411.08	117.33
22 66 53 00-0163 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	525.46	140.01
22 66 53 00-0164 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	885.20	169.52
22 66 53 00-0165 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	3,351.77	275.87
22 66 53 00-0166 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes (22 66 53 00-0103)		
22 66 53 00-0167 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	306.92	101.46
22 66 53 00-0168 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	330.00	108.93
22 66 53 00-0169 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	348.64	113.41
22 66 53 00-0170 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	389.11	124.51
22 66 53 00-0171 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	404.21	128.63
22 66 53 00-0172 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	484.59	132.64
22 66 53 00-0173 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	655.65	147.41
22 66 53 00-0174 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	777.17	151.03
22 66 53 00-0175 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	811.37	157.97
22 66 53 00-0176 EA 8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	1,973.94	222.55
22 66 53 00-0177 EA 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	2,130.82	229.90
22 66 53 00-0178 EA 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	2,603.85	241.67
22 66 53 00-0179 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends (22 66 53 00-0103)		
22 66 53 00-0180 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	355.11	105.85
22 66 53 00-0181 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	422.53	117.05
22 66 53 00-0182 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	623.82	140.10
22 66 53 00-0183 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	962.93	169.70
22 66 53 00-0184 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends (22 66 53 00-0103)		
22 66 53 00-0185 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	295.01	101.46
22 66 53 00-0186 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	341.91	108.93
22 66 53 00-0187 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	378.21	113.32
22 66 53 00-0188 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	409.94	124.51
22 66 53 00-0189 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	472.99	128.81
22 66 53 00-0190 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	535.14	132.54
22 66 53 00-0191 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	694.28	147.41
22 66 53 00-0192 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	863.56	151.11
22 66 53 00-0193 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	945.72	158.24
22 66 53 00-0194 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers (22 66 53 00-0103)		
22 66 53 00-0195 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	183.25	66.65
22 66 53 00-0196 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	200.73	70.38
22 66 53 00-0197 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	224.20	74.11
22 66 53 00-0198 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	358.37	82.14
22 66 53 00-0199 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	375.90	85.97
22 66 53 00-0200 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	409.58	94.46
22 66 53 00-0201 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	530.53	101.68
22 66 53 00-0202 EA 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	769.44	137.98
22 66 53 00-0203 EA 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	819.72	149.66
22 66 53 00-0204 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increasers (22 66 53 00-0103)		
22 66 53 00-0205 EA 2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	489.36	155.60
22 66 53 00-0206 EA 2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	644.16	155.60
22 66 53 00-0207 EA 3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	658.05	155.60
22 66 53 00-0208 EA 4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	747.40	210.65

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0209		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps (22 66 53 00-0103)		
22 66 53 00-0210	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	540.69	70.75
22 66 53 00-0211	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	652.51	77.84
22 66 53 00-0212	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	794.64	93.15
22 66 53 00-0213	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	2,339.89	113.22
22 66 53 00-0214		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs (22 66 53 00-0103)		
22 66 53 00-0215	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	269.80	70.75
22 66 53 00-0216	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	339.94	77.84
22 66 53 00-0217	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	467.18	93.15
22 66 53 00-0218	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	603.88	113.22
22 66 53 00-0219	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	1,171.61	157.97
22 66 53 00-0220		Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings (22 66 53 00-0093)		
Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.				
22 66 53 00-0221	LB	Lead (1 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings.....	5.40	
22 66 53 00-0222	LB	Seal-Tite Packing (1/8 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings.....	54.58	
22 66 53 00-0223		Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53 00-0223)		
Note: ASTM A518.				
22 66 53 00-0224		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe (22 66 53 00-0223)		
22 66 53 00-0225	LF	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	72.30	6.25
22 66 53 00-0226	LF	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	82.26	6.91
22 66 53 00-0227	LF	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	113.44	8.68
22 66 53 00-0228	LF	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	143.07	10.08
22 66 53 00-0229		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings (22 66 53 00-0223)		
22 66 53 00-0230		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps (22 66 53 00-0229)		
22 66 53 00-0231	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	267.83	49.56
22 66 53 00-0232	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	289.40	56.01
22 66 53 00-0233	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	396.23	61.79
22 66 53 00-0234	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	478.16	74.67
22 66 53 00-0235		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends (22 66 53 00-0229)		
22 66 53 00-0236	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	151.73	49.56
22 66 53 00-0237	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	181.38	55.44
22 66 53 00-0238	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	232.83	61.98
22 66 53 00-0239	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	304.67	74.11
22 66 53 00-0240	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	176.76	52.37
22 66 53 00-0241		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends (22 66 53 00-0229)		
22 66 53 00-0242	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	151.73	49.56
22 66 53 00-0243	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	181.38	55.44
22 66 53 00-0244	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	232.83	61.98
22 66 53 00-0245	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	304.67	74.11
22 66 53 00-0246		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends (22 66 53 00-0229)		
22 66 53 00-0247	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	178.52	49.56
22 66 53 00-0248	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	223.05	55.44
22 66 53 00-0249	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	342.98	61.98
22 66 53 00-0250	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	385.04	74.11
22 66 53 00-0251		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends (22 66 53 00-0229)		
22 66 53 00-0252	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	172.57	49.56
22 66 53 00-0253	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	205.19	55.44
22 66 53 00-0254	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	316.18	61.98
22 66 53 00-0255	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	358.25	74.11
22 66 53 00-0256		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends (22 66 53 00-0229)		



		Plumbing	22
Gas and Vacuum Systems for Laboratory and Healthcare Facilities		22 60	22
Chemical-Waste Systems for Laboratory and Healthcare Facilities		22 66	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
22 66 53 00-0257	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend		260.66	74.57
22 66 53 00-0258 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees (22 66 53 00-0229)					
22 66 53 00-0259	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee		213.03	74.57
22 66 53 00-0260	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee		262.88	84.00
22 66 53 00-0261	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee		345.76	93.62
22 66 53 00-0262	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee		522.25	112.10
22 66 53 00-0263 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees (22 66 53 00-0229)					
22 66 53 00-0264	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee		246.23	80.84
22 66 53 00-0265	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee		300.33	87.18
22 66 53 00-0266	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee		319.83	90.25
22 66 53 00-0267	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee		342.77	99.59
22 66 53 00-0268	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee		376.80	102.40
22 66 53 00-0269	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee		408.26	105.47
22 66 53 00-0270 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes (22 66 53 00-0229)					
22 66 53 00-0271	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye		213.40	74.86
22 66 53 00-0272	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye		250.97	84.00
22 66 53 00-0273	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye		333.86	93.62
22 66 53 00-0274	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye		522.25	112.10
22 66 53 00-0275 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes (22 66 53 00-0229)					
22 66 53 00-0276	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye		237.93	81.30
22 66 53 00-0277	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye		291.38	87.09
22 66 53 00-0278	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye		305.36	90.54
22 66 53 00-0279	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye		343.21	99.88
22 66 53 00-0280	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye		377.65	102.95
22 66 53 00-0281	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye		399.72	105.75
22 66 53 00-0282 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes (22 66 53 00-0229)					
22 66 53 00-0283	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye		319.14	99.68
22 66 53 00-0284	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye		406.30	112.20
22 66 53 00-0285	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye		519.50	124.14
22 66 53 00-0286	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye		676.25	149.25
22 66 53 00-0287	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye		351.82	105.56
22 66 53 00-0288	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye		393.87	111.83
22 66 53 00-0289	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye		468.68	117.98
22 66 53 00-0290	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye		517.36	130.67
22 66 53 00-0291	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye		622.55	137.30
22 66 53 00-0292 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses (22 66 53 00-0229)					
22 66 53 00-0293	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross		354.80	99.68
22 66 53 00-0294	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross		417.98	112.01
22 66 53 00-0295	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross		597.95	124.79
22 66 53 00-0296	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross		834.26	149.44
22 66 53 00-0297	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross		381.52	105.56
22 66 53 00-0298	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross		498.03	111.83
22 66 53 00-0299	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross		525.18	117.98
22 66 53 00-0300	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross		561.96	130.58
22 66 53 00-0301	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross		714.10	136.74
22 66 53 00-0302 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends (22 66 53 00-0229)					
22 66 53 00-0303	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend		236.48	74.30
22 66 53 00-0304	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend		274.78	84.00
22 66 53 00-0305	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend		333.86	93.62
22 66 53 00-0306	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend		554.99	112.10
22 66 53 00-0307 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends (22 66 53 00-0229)					
22 66 53 00-0308	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend		261.19	80.93
22 66 53 00-0309	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend		291.75	87.36
22 66 53 00-0310	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend		317.27	90.54

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0311 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	429.53	99.88
22 66 53 00-0312 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	440.17	102.95
22 66 53 00-0313 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	492.00	105.75
22 66 53 00-0314 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends (22 66 53 00-0229)		
22 66 53 00-0315 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	375.43	99.50
22 66 53 00-0316 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	471.48	111.92
22 66 53 00-0317 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	677.65	124.42
22 66 53 00-0318 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	813.90	149.71
22 66 53 00-0319 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends (22 66 53 00-0229)		
22 66 53 00-0320 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	408.32	105.56
22 66 53 00-0321 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	489.07	111.72
22 66 53 00-0322 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	510.30	117.98
22 66 53 00-0323 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	567.92	130.58
22 66 53 00-0324 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	714.10	136.74
22 66 53 00-0325 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers (22 66 53 00-0229)		
22 66 53 00-0326 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	177.54	52.92
22 66 53 00-0327 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	200.06	56.01
22 66 53 00-0328 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	234.90	65.34
22 66 53 00-0329 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	277.62	62.07
22 66 53 00-0330 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	294.19	65.15
22 66 53 00-0331 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	310.75	68.23
22 66 53 00-0332 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees (22 66 53 00-0229)		
22 66 53 00-0333 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	163.58	43.58
22 66 53 00-0334 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	190.00	49.28
22 66 53 00-0335 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	223.54	55.82
22 66 53 00-0336 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	405.55	67.95
22 66 53 00-0337 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs (22 66 53 00-0229)		
22 66 53 00-0338 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	72.89	24.83
22 66 53 00-0339 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	86.22	27.72
22 66 53 00-0340 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	94.09	30.99
22 66 53 00-0341 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	121.07	37.06
22 66 53 00-0342 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps (22 66 53 00-0229)		
22 66 53 00-0343 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	297.16	49.28
22 66 53 00-0344 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	306.40	55.44
22 66 53 00-0345 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	378.70	61.98
22 66 53 00-0346 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	483.28	74.11
22 66 53 00-0347 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	412.82	53.01
22 66 53 00-0348 EA 2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	568.03	59.17
22 66 53 00-0349 EA 3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	687.35	65.34
22 66 53 00-0350 EA 4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	854.92	77.84
22 66 53 00-0351 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps (22 66 53 00-0229)		
22 66 53 00-0352 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	551.72	56.28
22 66 53 00-0353 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	870.30	62.26
22 66 53 00-0354 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	575.19	56.01
22 66 53 00-0355 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	870.30	62.26
22 66 53 00-0356 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps (22 66 53 00-0229)		
22 66 53 00-0357 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	512.68	56.01
22 66 53 00-0358 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	602.38	62.26
22 66 53 00-0359 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap	593.05	56.01
22 66 53 00-0360 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	1,301.94	62.26



		Plumbing	22
Gas and Vacuum Systems for Laboratory and Healthcare Facilities		22 60	22
Chemical-Waste Systems for Laboratory and Healthcare Facilities		22 66	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0361 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	775.04	62.26
22 66 53 00-0362 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends (22 66 53 00-0229)		
22 66 53 00-0363 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	214.58	49.85
22 66 53 00-0364 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	280.47	56.01
22 66 53 00-0365 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters (22 66 53 00-0229)		
22 66 53 00-0366 EA 1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	109.58	37.33
22 66 53 00-0367 EA 1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	200.58	40.51
22 66 53 00-0368 EA 2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	147.41	46.67
22 66 53 00-0369 Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter (22 66 53 00-0229)		
22 66 53 00-0370 EA 1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	204.71	53.11
22 66 53 00-0371 EA 1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	223.87	56.01
22 66 53 00-0372 EA 1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	249.38	59.08
22 66 53 00-0373 EA 1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	267.40	65.15
22 66 53 00-0374 EA 2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	249.42	59.17
22 66 53 00-0375 EA 2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	262.97	62.26
22 66 53 00-0376 EA 2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	283.96	68.23
22 66 53 00-0377 EA 3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	321.26	65.34
22 66 53 00-0378 EA 4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter	396.50	77.84
22 66 53 00-0379 Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings (22 66 53 00-0229)		
22 66 53 00-0380 EA 1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	71.44	
22 66 53 00-0381 EA 2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	83.35	
22 66 53 00-0382 EA 3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	89.31	
22 66 53 00-0383 EA 4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	98.24	
22 66 53 00-0384 Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings (22 66 53 00-0229)		
22 66 53 00-0385 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet	528.51	24.92
22 66 53 00-0386 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper	200.26	12.41
22 66 53 00-0387 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow	372.92	12.41
22 66 53 00-0388 Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates (22 66 53 00-0229)		
22 66 53 00-0389 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer	1,895.40	124.51
22 66 53 00-0390 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer	2,339.35	130.76
22 66 53 00-0391 EA Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain	1,572.58	12.41
22 66 83 Chemical-Waste Tanks (22 66)		
22 66 83 16 Chemical-Waste Neutralization Tanks (22 66 83)		
22 66 83 16-0001 Acid Neutralization Tank (22 66 83 16)		
22 66 83 16-0002 Polyethylene Acid Neutralization Tank (22 66 83 16-0001)		
22 66 83 16-0003 EA 5 Gallon Capacity Polyethylene Acid Neutralization Tank	440.44	190.03
22 66 83 16-0004 EA 15 Gallon Capacity Polyethylene Acid Neutralization Tank	783.40	263.50
22 66 83 16-0005 EA 30 Gallon Capacity Polyethylene Acid Neutralization Tank	983.77	380.05
22 66 83 16-0006 EA 55 Gallon Capacity Polyethylene Acid Neutralization Tank	1,266.33	506.74
22 66 83 16-0007 EA 100 Gallon Capacity Polyethylene Acid Neutralization Tank	1,618.29	608.08
22 66 83 16-0008 EA 150 Gallon Capacity Polyethylene Acid Neutralization Tank	2,199.79	760.10
22 66 83 16-0009 EA 200 Gallon Capacity Polyethylene Acid Neutralization Tank	2,552.93	950.13
22 66 83 16-0010 EA 275 Gallon Capacity Polyethylene Acid Neutralization Tank	3,297.35	1,140.15
22 66 83 16-0011 EA 350 Gallon Capacity Polyethylene Acid Neutralization Tank	3,757.28	1,368.18
22 66 83 16-0012 Polypropylene Acid Neutralization Tank (22 66 83 16-0001)		
22 66 83 16-0013 EA 5 Gallon Capacity Polypropylene Acid Neutralization Tank	702.34	190.03
22 66 83 16-0014 EA 15 Gallon Capacity Polypropylene Acid Neutralization Tank	1,198.07	263.50
22 66 83 16-0015 EA 30 Gallon Capacity Polypropylene Acid Neutralization Tank	1,817.42	380.05
22 66 83 16-0016 EA 55 Gallon Capacity Polypropylene Acid Neutralization Tank	2,396.46	506.74
22 66 83 16-0017 EA 100 Gallon Capacity Polypropylene Acid Neutralization Tank	3,023.90	608.08
22 66 83 16-0018 EA 150 Gallon Capacity Polypropylene Acid Neutralization Tank	3,612.14	760.10
22 66 83 16-0019 EA 200 Gallon Capacity Polypropylene Acid Neutralization Tank	3,959.06	950.13
22 66 83 16-0020 EA 275 Gallon Capacity Polypropylene Acid Neutralization Tank	5,752.61	1,140.15
22 66 83 16-0021 EA 350 Gallon Capacity Polypropylene Acid Neutralization Tank	6,245.27	1,368.18

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 66 83 16-0022		Chemical Dilution Trap <small>(22 66 83 16)</small>		
22 66 83 16-0023	EA	1 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	363.98	63.35
22 66 83 16-0024	EA	1-1/2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	374.78	63.35
22 66 83 16-0025	EA	2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	385.58	63.35
22 66 83 16-0026	EA	5 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	425.21	76.01

END OF SECTION 22

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 Heating, Ventilating, and Air-Conditioning (HVAC)

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise. HVAC equipment shall conform to California Title 24.

23 01 Operation and Maintenance of HVAC Systems (23)

23 01 10 Operation and Maintenance of Facility Fuel Systems (23 01)

23 01 10 91 Facility Fuel Systems Restoration (23 01 10)

23 01 10 91-0001 Purge Gas Systems (23 01 10 91)

Note: Includes collection and refilling/bleeding of system. For natural gas, flammable gases and other gases that should not be released inside the building. See CSI section 23 01 60 71-0001 for refrigerant.

23 01 10 91-0002	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	468.06
23 01 10 91-0003	EA	>100' To 250', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	668.45
23 01 10 91-0004	EA	>250' To 500', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	701.83
23 01 10 91-0005	EA	>500' To 1,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	773.57
23 01 10 91-0006	EA	>1,000' To 2,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	1,400.85
23 01 10 91-0007	EA	Up To 100', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems	628.57
23 01 10 91-0008	EA	>100' To 250', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems	902.33
23 01 10 91-0009	EA	>250' To 500', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems	953.55
23 01 10 91-0010	EA	>500' To 1,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems	1,063.24
23 01 10 91-0011	EA	>1,000' To 2,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems	1,931.39
23 01 10 91-0012	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Gas Systems	740.85
23 01 10 91-0013	EA	>100' To 250', >4" To 10" Diameter Pipe, Purge Gas Systems	1,085.25
23 01 10 91-0014	EA	>250' To 500', >4" To 10" Diameter Pipe, Purge Gas Systems	2,515.50
23 01 10 91-0015	EA	>500' To 1,000', >4" To 10" Diameter Pipe, Purge Gas Systems	3,917.88
23 01 10 91-0016	EA	>1,000' To 2,000', >4" To 10" Diameter Pipe, Purge Gas Systems	7,356.64

23 01 20 Operation and Maintenance of HVAC Piping and Pumps (23 01)

23 01 20 91 HVAC Piping and Pumps Restoration (23 01 20)

23 01 20 91-0001 Lock Out/Tag Out System (23 01 20 91)

23 01 20 91-0002	EA	Up To 1", Lock Out/Tag Out Valve	25.34
23 01 20 91-0003	EA	>1" To 3", Lock Out/Tag Out Valve	30.41
23 01 20 91-0004	EA	>3" To 6", Lock Out/Tag Out Valve	35.48
23 01 20 91-0005	EA	>6" To 10", Lock Out/Tag Out Valve	40.54
23 01 20 91-0006	EA	>10" To 14", Lock Out/Tag Out Valve	50.68
23 01 20 91-0007	EA	Lock Out/Tag Out Padlock System	20.27
23 01 20 91-0008	EA	Lock Out/Tag Out Tag	3.15

23 01 20 91-0009 Freeze Pipe Using CO2 Kit (23 01 20 91)

Note: For use on chilled water or cold water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0010	EA	Up To 2" Freeze Pipe Using CO2 Kit	271.36
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23 01 20 91-0011 Pipe Freezing (23 01 20 91)

Note: For use on any water piping systems. Excludes excavation, cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0012	EA	Up To 1" Pipe Freezing, First Location	706.00
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0013	EA	Up To 1" Pipe Freezing, Each Additional Location After First	320.00
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0014	EA	>1" To 1-1/2" Pipe Freezing, First Location	858.63
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0015	EA	>1" To 1-1/2" Pipe Freezing, Each Additional Location After First	367.63
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0016	EA	>1-1/2" To 2" Pipe Freezing, First Location	1,211.38
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0017	EA	>1-1/2" To 2" Pipe Freezing, Each Additional Location After First	415.38
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0018	EA	>2" To 3" Pipe Freezing, First Location	1,384.00
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0019	EA	>2" To 3" Pipe Freezing, Each Additional Location After First	497.00
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0020	EA	>3" To 4" Pipe Freezing, First Location	2,075.50
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0021	EA	>3" To 4" Pipe Freezing, Each Additional Location After First	571.50
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0022	EA	>4" To 6" Pipe Freezing, First Location	4,452.00
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0023	EA	>4" To 6" Pipe Freezing, Each Additional Location After First	786.00
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0024	EA	>6" To 8" Pipe Freezing, First Location	5,922.19
Note: Includes freezing on each side of valve or fitting.			

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 01 Operation and Maintenance of HVAC Systems****23 01 20 Operation and Maintenance of HVAC Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0025 EA >6" To 8" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,187.19	
23 01 20 91-0026 EA >8" To 10" Pipe Freezing, First Location..... Note: Includes freezing on each side of valve or fitting.	8,208.24	
23 01 20 91-0027 EA >8" To 10" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,653.24	
23 01 20 91-0028 EA >10" To 12" Pipe Freezing, First Location..... Note: Includes freezing on each side of valve or fitting.	10,599.00	
23 01 20 91-0029 EA >10" To 12" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	2,184.00	
23 01 20 91-0030 Water/Chlorine Pipe Disinfection/Flush/Testing (23 01 20 91) Note: For existing piping when required. Water/chlorine solution per specification entitled "Water Distribution".		
23 01 20 91-0031 LF Up To 1", Water/Chlorine Pipe Disinfection/Flush/Testing	1.67	
23 01 20 91-0032 LF >1" To 2", Water/Chlorine Pipe Disinfection/Flush/Testing	2.30	
23 01 20 91-0033 LF >2" To 3", Water/Chlorine Pipe Disinfection/Flush/Testing	3.53	
23 01 20 91-0034 LF 4", Water/Chlorine Pipe Disinfection/Flush/Testing	4.87	
23 01 20 91-0035 LF 6", Water/Chlorine Pipe Disinfection/Flush/Testing	6.00	
23 01 20 91-0036 LF 8", Water/Chlorine Pipe Disinfection/Flush/Testing	7.58	
23 01 20 91-0037 LF 10", Water/Chlorine Pipe Disinfection/Flush/Testing	9.99	
23 01 20 91-0038 LF 12", Water/Chlorine Pipe Disinfection/Flush/Testing	11.99	
23 01 20 91-0039 Shut Down Existing Piping System (23 01 20 91)		
23 01 20 91-0040 EA Shut Down Existing Interior Piping System Note: Includes lock out/tag out and average line tracing. Use when valves are greater than 25' from work. When the shut-off valves for multiple lines are located with a 10' radius, the quantity used shall be one.	205.77	
23 01 20 91-0041 Purge Liquid Systems (23 01 20 91) Note: Includes collection of liquid, refilling with liquid and bleeding of air from system.		
23 01 20 91-0042 EA Up To 50', Up To 3/4" Diameter Pipe, Purge Liquid System	160.21	
23 01 20 91-0043 EA >50' To 100', Up To 3/4" Diameter Pipe, Purge Liquid System	200.26	
23 01 20 91-0044 EA >100 To 250', Up To 3/4" Diameter Pipe, Purge Liquid System	285.82	
23 01 20 91-0045 EA >250 To 500', Up To 3/4" Diameter Pipe, Purge Liquid System	342.50	
23 01 20 91-0046 EA >500 To 1,000', Up To 3/4" Diameter Pipe, Purge Liquid System	362.08	
23 01 20 91-0047 EA >1,000 To 2,000', Up To 3/4" Diameter Pipe, Purge Liquid System	691.30	
23 01 20 91-0048 EA Up To 100', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	333.62	
23 01 20 91-0049 EA >100 To 250', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	476.47	
23 01 20 91-0050 EA >250 To 500', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	570.91	
23 01 20 91-0051 EA >500 To 1,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	603.53	
23 01 20 91-0052 EA >1,000 To 2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	1,152.20	
23 01 20 91-0053 EA Up To 100', >1-1/2" To 4" Diameter Pipe, Purge Liquid System	444.08	
23 01 20 91-0054 EA >100 To 250', >1-1/2" To 4" Diameter Pipe, Purge Liquid System	633.71	
23 01 20 91-0055 EA >250 To 500', >1-1/2" To 4" Diameter Pipe, Purge Liquid System	754.42	
23 01 20 91-0056 EA >500 To 1,000', >1-1/2" To 4" Diameter Pipe, Purge Liquid System	802.17	
23 01 20 91-0057 EA >1,000 To 2,000', >1-1/2" To 4" Diameter Pipe, Purge Liquid System	1,545.64	
23 01 20 91-0058 EA Up To 100', >4" To 10" Diameter Pipe, Purge Liquid System	547.48	
23 01 20 91-0059 EA >100 To 250', >4" To 10" Diameter Pipe, Purge Liquid System	782.36	
23 01 20 91-0060 EA >250 To 500', >4" To 10" Diameter Pipe, Purge Liquid System	2,163.71	
23 01 20 91-0061 EA >1,000 To 2,000', >4" To 10" Diameter Pipe, Purge Liquid System	3,433.71	
23 01 20 91-0062 Add-A-Valve Emergency Shut Off Device (23 01 20 91)		
23 01 20 91-0063 EA 1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-103ADD).....	261.46	
23 01 20 91-0064 EA 3/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-104ADD).....	328.68	
23 01 20 91-0065 EA 1" Add-A-Valve Emergency Shut Off Device (Jomar 800-105ADD).....	453.10	
23 01 20 91-0066 EA 1-1/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-106ADD).....	688.38	
23 01 20 91-0067 EA 1-1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-107ADD).....	848.35	
23 01 20 91-0068 EA 2" Add-A-Valve Emergency Shut Off Device (Jomar 800-108ADD).....	1,274.73	
23 01 30 Operation and Maintenance of HVAC Air Distribution (23 01)		
23 01 30 51 HVAC Air-Distribution System Cleaning (23 01 30)		
23 01 30 51-0001 Cleaning Of Ductwork And HVAC Equipment (23 01 30 51)		
23 01 30 51-0002 LF Up To 2 SF Cross Section, Clean Supply/Return Ductwork..... Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	3.02	
For Exhaust Ductwork, Add	0.76	
23 01 30 51-0003 LF >2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork..... Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	3.79	
For Exhaust Ductwork, Add	0.95	
23 01 30 51-0004 LF >4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork..... Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	5.07	
For Exhaust Ductwork, Add	1.27	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Operation and Maintenance of HVAC Systems 23 01

Operation and Maintenance of HVAC Air Distribution 23 01 30

23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 30 51-0005	LF	>8 SF Cross Section, Clean Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	7.18	
		<i>For Exhaust Ductwork, Add</i>	1.80	
23 01 30 51-0006	SF	Clean Duct Dampers.....	10.17	
23 01 30 51-0007	SF	Clean Duct Fire Dampers.....	20.34	
23 01 30 51-0008	SF	Clean Louver.....	8.14	
23 01 30 51-0009	EA	Clean Turning Vane Set.....	24.42	
23 01 30 51-0010	EA	Clean Grille/Diffuser/Register..... Note: Includes removal and reinstallation.	24.42	
23 01 30 51-0011	LF	Clean Linear Diffuser Note: Includes removal and reinstallation.	6.10	
23 01 30 51-0012	EA	Cut Access For Cleaning Duct And Install Duct Insulated Access Doors <i>For Stainless Steel, Add</i>	98.79	87.98
23 01 30 51-0013	EA	Clean Variable Air Volume (VAV) Unit.....	73.24	
23 01 30 51-0014	EA	Clean Fan Powered Induction Unit (PIU) Unit.....	97.65	
23 01 30 51-0015	EA	Clean Fan Coil Unit (FCU).....	97.65	
23 01 30 51-0016	EA	Clean Packaged Terminal Air Conditioning Unit.....	97.65	
23 01 30 51-0017	EA	Clean Supply Or Return Fan.....	195.30	
23 01 30 51-0018	EA	Clean Exhaust Fan.....	170.90	
23 01 30 51-0019	EA	Clean Duct Coil.....	146.48	
23 01 30 51-0020	SF	Clean Air Handling Unit Interior Housing With High Efficiency Particulate Air (HEPA) Vacuum Note: Excluding fan and coils.	4.88	
23 01 30 51-0021	EA	Clean Air Handling Unit Fan.....	195.30	
23 01 30 51-0022	EA	Clean Air Handling Unit Coil.....	292.96	
23 01 30 51-0023	SF	Clean Equipment Surfaces, Rust Reform And Prime.....	2.54	
23 01 30 51-0024	SF	Clean Interior Equipment Surfaces, Rust Reform And Prime.....	3.02	
23 01 30 51-0025	SF	High Efficiency Particulate Air (HEPA) Vacuuming Of Walls, Ceilings And Floors In Mechanical Rooms.....	0.62	
23 01 30 51-0026	EA	Cleaning Of Ductwork Minimum Set-up Charge Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	715.39	
23 01 30 51-0027	SF	Apply Antimicrobial Agent To Ductwork And Surfaces After Cleaning.....	0.43	
23 01 30 61 HVAC Air-Distribution Duct Repair (23 01 30)				
23 01 30 61-0001		Repair And Seal Ductwork (23 01 30 61) Note: Includes removal of existing insulation, repair/seal ductwork with Duct Sealer and reinstallation of insulation. Excludes new ductwork.		
23 01 30 61-0002	SF	Repair And Sealing Of Ductwork Note: Clean, apply sealant and tape	1.70	
23 01 50 Operation and Maintenance of Central Heating Equipment (23 01)				
23 01 50 61 Central Heating Equipment Repair (23 01 50)				
23 01 50 61-0001		Boiler Repairs (23 01 50 61)		
23 01 50 61-0002		Setup And Maintenance (23 01 50 61-0001)		
23 01 50 61-0003	EA	Set-up Charge For Boiler Fire Side Maintenance Note: Includes removing/relocating doors, plates, portals, and burners required to access fireside.	2,226.48	
23 01 50 61-0004	EA	Close-up Charge For Boiler Fire Side Maintenance..... Note: Includes replacement of doors, plates, portals, burners, adhesive, rope, wool, and seals.	2,377.43	
		<i>For Burner Seals, Add</i>	622.65	
		<i>Note: Used when burner must be removed from door for maintenance.</i>		
23 01 50 61-0005	EA	Setup Charge For Boiler Water Side Maintenance Note: Includes closing valves, draining, and positioning equipment needed for tube replacement.	2,968.65	
23 01 50 61-0006	EA	Up To 100 HP, Hydrostatic Test - Boiler Maintenance..... Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	1,484.32	
23 01 50 61-0007	EA	>100 HP, Hydrostatic Test - Boiler Maintenance Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	2,968.65	
23 01 50 61-0008	EA	Removal And Replacement Of Handhole.....	92.77	
23 01 50 61-0009	EA	Removal And Replacement Of Manhole.....	278.31	
23 01 50 61-0010	SF	Sheet Metal Jacket Patch.....	10.38	
23 01 50 61-0011		Boiler Tube Replacement (23 01 50 61-0001)		
23 01 50 61-0012	EA	Removal Of Up To 2" Boiler Tube.....	222.64	
23 01 50 61-0013	EA	Removal Of >2" To 3" Boiler Tube.....	278.32	
23 01 50 61-0014	EA	Removal Of >3" To 4" Boiler Tube.....	389.63	
23 01 50 61-0015	LF	Place 1-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	6.78	
23 01 50 61-0016	LF	Place 2" Boiler Tube Into Position For Termination..... Note: Includes black steel tube, fasteners and accessories.	7.86	
23 01 50 61-0017	LF	Place 2-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	8.92	
23 01 50 61-0018	LF	Place 3" Boiler Tube Into Position For Termination..... Note: Includes black steel tube, fasteners and accessories.	12.48	
23 01 50 61-0019	LF	Place 3-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	14.53	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 01 Operation and Maintenance of HVAC Systems****23 01 50 Operation and Maintenance of Central Heating Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 50 61-0020 LF Place 4" Boiler Tube Into Position For Termination..... Note: Includes black steel tube, fasteners and accessories.	18.38	
23 01 50 61-0021 EA 1-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	27.83	
23 01 50 61-0022 EA 2" Rolled Boiler Tube Termination (2 Per New Tube).....	41.74	
23 01 50 61-0023 EA 2-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	55.66	
23 01 50 61-0024 EA 3" Rolled Boiler Tube Termination (2 Per New Tube).....	69.58	
23 01 50 61-0025 EA 3-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	83.50	
23 01 50 61-0026 EA 4" Rolled Boiler Tube Termination (2 Per New Tube).....	97.41	
23 01 50 61-0027 EA 1-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	83.50	
23 01 50 61-0028 EA 2" Welded Boiler Tube Termination (2 Per New Tube).....	111.33	
23 01 50 61-0029 EA 2-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	139.16	
23 01 50 61-0030 EA 3" Welded Boiler Tube Termination (2 Per New Tube).....	166.98	
23 01 50 61-0031 EA 3-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	194.81	
23 01 50 61-0032 EA 4" Welded Boiler Tube Termination (2 Per New Tube).....	222.64	
23 01 50 61-0033 EA Plug Boiler Tube Hole Where Boiler Tube Is Not Replaced.....	272.19	
23 01 50 61-0034 Cast Iron Boiler Section Replacement (23 01 50 61-0001)		
23 01 50 61-0035 EA Removal And Replacement Of Front Section Of Weil McLain Model 80 Cast Iron Boiler.....	2,417.73	
23 01 50 61-0036 EA Removal And Replacement Of Rear Section Of Weil McLain Model 80 Cast Iron Boiler.....	1,650.36	
23 01 50 61-0037 EA Removal And Replacement Of Inside Section Of Weil McLain Model 80 Cast Iron Boiler.....	2,099.87	
23 01 50 61-0038 EA Removal And Replacement Of Front Section Of Weil McLain Model 88 Cast Iron Boiler.....	4,426.31	
23 01 50 61-0039 EA Removal And Replacement Of Rear Section Of Weil McLain Model 88 Cast Iron Boiler.....	3,238.65	
23 01 50 61-0040 EA Removal And Replacement Of Inside Section Of Weil McLain Model 88 Cast Iron Boiler.....	3,818.33	
23 01 50 61-0041 EA Removal And Replacement Of Front Section Of Weil McLain Model 94 Cast Iron Boiler.....	7,148.33	
23 01 50 61-0042 EA Removal And Replacement Of Rear Section Of Weil McLain Model 94 Cast Iron Boiler.....	5,522.60	
23 01 50 61-0043 EA Removal And Replacement Of Inside Section Of Weil McLain Model 94 Cast Iron Boiler.....	5,993.16	
23 01 50 61-0044 Cast Iron Grate Replacement (23 01 50 61-0001)		
23 01 50 61-0045 SF Removal And Replacement Of Cast Iron Boiler Grates, Prepared From Casting Mold..... Note: Includes support, linkages and removal of existing.	102.05	
23 01 50 61-0046 EA Prepare Cast Iron Boiler Grate Mold..... Note: Includes preparing unique size mold for grate casting. Mold to be used for multiple castings.	1,382.32	
23 01 50 61-0047 Replacement Or Conversion Of Boiler Burners (23 01 50 61-0001)		
23 01 50 61-0048 EA 700 MBH Max Input Burner With 2" Boiler Connection, Screwed..... Note: Includes mounting plate, mechanical and electrical labor for installation of burners.	7,230.88	994.88
23 01 50 61-0049 EA 2,100 MBH Max Input Burner With 2-1/2" Boiler Connection, Screwed.....	10,362.16	1,231.73
23 01 50 61-0050 EA 2,800 MBH Max Input Burner With 3" Boiler Connection, Screwed.....	12,252.69	1,492.21
23 01 50 61-0051 EA 3,800 MBH Max Input Burner With 4" Boiler Connection, Flanged.....	14,399.83	1,606.24
23 01 50 61-0052 Video Inspection Of Boiler Tubing (23 01 50 61-0001)		
23 01 50 61-0053 EA Initial Set Up For Boiler Tubing Video Camera Inspection.....	423.05	
23 01 50 61-0054 LF Boiler Tubing Inspection.....	0.52	
23 01 50 61-0055 Boiler And Chiller Water Treatment (23 01 50 61)		
23 01 50 61-0056 LB Boil Out Boiler And System With Caustic Soda..... Note: Includes disposal after treatment.	1.08	
23 01 50 61-0057 LB Boil Out Boiler And System With Trisodium Phosphate..... Note: Includes disposal after treatment.	1.62	
23 01 50 61-0058 GAL Corrosion Resistant Chemical Treatment, Based On Gallons Of Chemical Required.....	101.05	
23 01 60 Operation and Maintenance of Central Cooling Equipment (23 01)		
23 01 60 71 Refrigerant Recovery/Recycling (23 01 60)		
23 01 60 71-0001 Refrigerant Recovery, Reclaim And Recycling (23 01 60 71)		
23 01 60 71-0002 LB Recovery Of Refrigerant.....	7.94	
23 01 60 71-0003 LB Recovery And Recharging Of Refrigerant..... Note: Includes cleaning refrigerant gas prior to recharging.	14.89	
23 05 Common Work Results for HVAC (23)		
23 05 13 Common Motor Requirements for HVAC Equipment (23 05)		
23 05 13 00-0001 Premium Efficient, Motors (23 05 13) Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. Excludes installation.		
23 05 13 00-0002 Premium Efficient, Open Drip Proof Motors (23 05 13 00-0001) Note: NEMA premium efficiency, open drip proof, three phase AC motors.		
23 05 13 00-0003 Steel Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)		
23 05 13 00-0004 EA 1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	613.18	



Heating, Ventilating, and Air-Conditioning (HVAC)

23**Common Work Results for HVAC 23 05****Common Motor Requirements for HVAC Equipment 23 05 13****23**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0005 EA 1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	694.31	
23 05 13 00-0006 EA 1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	814.02	
23 05 13 00-0007 EA 1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	683.67	
23 05 13 00-0008 EA 1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	726.23	
23 05 13 00-0009 EA 1-1/2 HP, 1,200 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	952.35	
23 05 13 00-0010 EA 2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	803.38	
23 05 13 00-0011 EA 2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	778.11	
23 05 13 00-0012 EA 2 HP, 1,200 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	973.63	
23 05 13 00-0013 EA 3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	814.02	
23 05 13 00-0014 EA 3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	839.29	
23 05 13 00-0015 EA 3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,239.65	
23 05 13 00-0016 EA 5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	888.51	
23 05 13 00-0017 EA 5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	919.10	
23 05 13 00-0018 EA 5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,624.05	
23 05 13 00-0019 EA 7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,409.91	
23 05 13 00-0020 EA 7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,351.38	
23 05 13 00-0021 EA 7-1/2 HP, 1,200 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,947.27	
23 05 13 00-0022 EA 10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,612.08	
23 05 13 00-0023 EA 10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,636.02	
23 05 13 00-0024 EA 10 HP, 1,200 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,533.84	
23 05 13 00-0025 EA 15 HP, 3,600 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,290.43	
23 05 13 00-0026 EA 15 HP, 1,800 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,317.03	
23 05 13 00-0027 EA 15 HP, 1,200 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,417.03	
23 05 13 00-0028 EA 20 HP, 3,600 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,690.79	
23 05 13 00-0029 EA 20 HP, 1,800 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,908.93	
23 05 13 00-0030 EA 20 HP, 1,200 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,159.22	
23 05 13 00-0031 EA 25 HP, 3,600 RPM, 284TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,230.81	
23 05 13 00-0032 EA 25 HP, 1,800 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,546.05	
23 05 13 00-0033 EA 25 HP, 1,200 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,023.79	
23 05 13 00-0034 EA 30 HP, 3,600 RPM, 286TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,812.07	
23 05 13 00-0035 EA 30 HP, 1,800 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,877.24	
23 05 13 00-0036 EA 30 HP, 1,200 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,240.59	
23 05 13 00-0037 EA 40 HP, 3,600 RPM, 324TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,912.06	
23 05 13 00-0038 EA 40 HP, 1,800 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,058.37	
23 05 13 00-0039 EA 50 HP, 3,600 RPM, 326TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,349.66	
23 05 13 00-0040 EA 50 HP, 1,800 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,582.43	
23 05 13 00-0041 EA 60 HP, 3,600 RPM, 364TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,768.88	
23 05 13 00-0042 EA 60 HP, 1,800 RPM, 364T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	7,028.25	
23 05 13 00-0043 EA 75 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	8,879.75	
23 05 13 00-0044 EA 75 HP, 1,800 RPM, 365T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	8,627.03	
23 05 13 00-0045 EA 100 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	9,491.59	
23 05 13 00-0046 EA 100 HP, 1,800 RPM, 404T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	10,036.93	
23 05 13 00-0047 EA 125 HP, 3,600 RPM, 404TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	11,912.38	
23 05 13 00-0048 EA 125 HP, 1,800 RPM, 405T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	12,312.74	
23 05 13 00-0049 EA 150 HP, 3,600 RPM, 405TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	14,694.94	
23 05 13 00-0050 Cast Iron Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)		
23 05 13 00-0051 EA 40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	7,465.85	
23 05 13 00-0052 EA 50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	9,038.03	
23 05 13 00-0053 EA 60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	11,474.77	
23 05 13 00-0054 EA 75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	12,775.61	
23 05 13 00-0055 EA 100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	14,061.82	
23 05 13 00-0056 EA 125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	15,185.75	
23 05 13 00-0057 EA 150 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	13,677.42	
23 05 13 00-0058 EA 150 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	17,884.52	
23 05 13 00-0059 EA 200 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	16,652.85	
23 05 13 00-0060 EA 200 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	17,091.78	
23 05 13 00-0061 EA 200 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	23,509.52	
23 05 13 00-0062 Premium Efficient, TEFC Motors (23 05 13 00-0001)		
Note: NEMA premium efficiency, totally enclosed fan cooled, three phase AC motors.		
23 05 13 00-0063 Steel Frame, Premium Efficient, TEFC Motors (23 05 13 00-0062)		
23 05 13 00-0064 EA 1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, TEFC Motor	716.92	
23 05 13 00-0065 EA 1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	790.08	
23 05 13 00-0066 EA 1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	940.38	
23 05 13 00-0067 EA 1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	812.69	
23 05 13 00-0068 EA 1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	820.67	
23 05 13 00-0069 EA 2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	889.84	
23 05 13 00-0070 EA 2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	851.26	
23 05 13 00-0071 EA 3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	986.93	
23 05 13 00-0072 EA 3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	940.38	
23 05 13 00-0073 EA 3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,509.66	
23 05 13 00-0074 EA 5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,094.67	
23 05 13 00-0075 EA 5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,029.50	
23 05 13 00-0076 EA 5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,705.19	
23 05 13 00-0077 EA 7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,640.01	
23 05 13 00-0078 EA 7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,484.39	
23 05 13 00-0079 EA 10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,662.62	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 13 Common Motor Requirements for HVAC Equipment**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 13 00-0080 EA 10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor.....1,675.93

23 05 13 00-0081 Cast Iron Frame, Premium Efficient, TEFC Motors (23 05 13 00-0062)

23 05 13 00-0082 EA 1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....1,022.85
 23 05 13 00-0083 EA 1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....1,145.22
 23 05 13 00-0084 EA 1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....1,080.04
 23 05 13 00-0085 EA 1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....1,060.09
 23 05 13 00-0086 EA 1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....1,363.35
 23 05 13 00-0087 EA 2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....1,135.91
 23 05 13 00-0088 EA 2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....1,110.63
 23 05 13 00-0089 EA 2 HP, 1,200 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....1,384.63
 23 05 13 00-0090 EA 3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....1,226.35
 23 05 13 00-0091 EA 3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....1,260.93
 23 05 13 00-0092 EA 3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....1,725.14
 23 05 13 00-0093 EA 5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....1,509.66
 23 05 13 00-0094 EA 5 HP, 1,800 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....1,262.26
 23 05 13 00-0095 EA 5 HP, 1,200 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....2,001.80
 23 05 13 00-0096 EA 7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....1,747.75
 23 05 13 00-0097 EA 7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....1,683.91
 23 05 13 00-0098 EA 7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....2,854.39
 23 05 13 00-0099 EA 10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....2,048.35
 23 05 13 00-0100 EA 10 HP, 1,800 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....1,888.74
 23 05 13 00-0101 EA 10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....3,258.74
 23 05 13 00-0102 EA 15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....2,822.47
 23 05 13 00-0103 EA 15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....2,583.05
 23 05 13 00-0104 EA 15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....4,346.77
 23 05 13 00-0105 EA 20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....3,097.80
 23 05 13 00-0106 EA 20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....3,132.39
 23 05 13 00-0107 EA 20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....5,787.27
 23 05 13 00-0108 EA 25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....4,042.17
 23 05 13 00-0109 EA 25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....4,096.71
 23 05 13 00-0110 EA 25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....6,548.08
 23 05 13 00-0111 EA 30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....4,802.99
 23 05 13 00-0112 EA 30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....4,860.19
 23 05 13 00-0113 EA 30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....7,564.28
 23 05 13 00-0114 EA 40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....6,584.00
 23 05 13 00-0115 EA 40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....6,355.22
 23 05 13 00-0116 EA 40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....9,426.42
 23 05 13 00-0117 EA 50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....7,202.49
 23 05 13 00-0118 EA 50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....6,945.78
 23 05 13 00-0119 EA 50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....11,390.98
 23 05 13 00-0120 EA 60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....10,118.07
 23 05 13 00-0121 EA 60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....9,994.37
 23 05 13 00-0122 EA 60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....13,826.39
 23 05 13 00-0123 EA 75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....11,771.38
 23 05 13 00-0124 EA 75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....11,686.26
 23 05 13 00-0125 EA 75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....16,100.86
 23 05 13 00-0126 EA 100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....14,512.72
 23 05 13 00-0127 EA 125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....17,966.99
 23 05 13 00-0128 EA 150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....20,667.09
 23 05 13 00-0129 EA 200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....25,974.19

23 05 13 00-0130 Premium Efficient, Severe Duty Motors (23 05 13 00-0001)

Note: NEMA premium efficiency, TEFC enclosure severe duty, three phase AC motors.

23 05 13 00-0131 EA 1 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....1,062.75
 23 05 13 00-0132 EA 1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....1,167.83
 23 05 13 00-0133 EA 1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....1,290.20
 23 05 13 00-0134 EA 1 HP, 900 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....1,812.93
 23 05 13 00-0135 EA 1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....1,209.06
 23 05 13 00-0136 EA 1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....1,190.44
 23 05 13 00-0137 EA 1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....1,509.66
 23 05 13 00-0138 EA 1-1/2 HP, 900 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....2,255.85
 23 05 13 00-0139 EA 2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....1,264.93
 23 05 13 00-0140 EA 2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....1,242.31
 23 05 13 00-0141 EA 2 HP, 1,200 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....1,529.62
 23 05 13 00-0142 EA 2 HP, 900 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....2,845.08
 23 05 13 00-0143 EA 3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....1,496.36
 23 05 13 00-0144 EA 3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....1,572.18
 23 05 13 00-0145 EA 3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....2,207.97
 23 05 13 00-0146 EA 3 HP, 900 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....3,085.83
 23 05 13 00-0147 EA 5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....1,840.86
 23 05 13 00-0148 EA 5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....1,600.11
 23 05 13 00-0149 EA 5 HP, 1,200 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....2,237.23
 23 05 13 00-0150 EA 5 HP, 900 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....4,912.06
 23 05 13 00-0151 EA 7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....2,402.16
 23 05 13 00-0152 EA 7-1/2 HP, 1,800 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....2,015.10
 23 05 13 00-0153 EA 7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....3,201.55
 23 05 13 00-0154 EA 7-1/2 HP, 900 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....5,617.01
 23 05 13 00-0155 EA 10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....2,557.78



Heating, Ventilating, and Air-Conditioning (HVAC)

23**Common Work Results for HVAC 23 05****Common Motor Requirements for HVAC Equipment 23 05 13****23**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0156	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,412.80	
23 05 13 00-0157	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,159.22	
23 05 13 00-0158	EA	10 HP, 900 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,552.07	
23 05 13 00-0159	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,272.05	
23 05 13 00-0160	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,073.86	
23 05 13 00-0161	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,768.41	
23 05 13 00-0162	EA	15 HP, 900 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,746.74	
23 05 13 00-0163	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,817.39	
23 05 13 00-0164	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,297.32	
23 05 13 00-0165	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,478.92	
23 05 13 00-0166	EA	20 HP, 900 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,971.76	
23 05 13 00-0167	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,587.51	
23 05 13 00-0168	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,314.84	
23 05 13 00-0169	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,770.21	
23 05 13 00-0170	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,593.07	
23 05 13 00-0171	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,123.55	
23 05 13 00-0172	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,728.12	
23 05 13 00-0173	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,683.99	
23 05 13 00-0174	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,703.70	
23 05 13 00-0175	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	10,878.89	
23 05 13 00-0176	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,052.43	
23 05 13 00-0177	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,868.87	
23 05 13 00-0178	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	11,587.83	
23 05 13 00-0179	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	11,686.26	
23 05 13 00-0180	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	10,546.36	
23 05 13 00-0181	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	15,828.19	
23 05 13 00-0182	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	13,064.24	
23 05 13 00-0183	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	12,323.38	
23 05 13 00-0184	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	19,263.84	
23 05 13 00-0185	EA	100 HP, 3,600 RPM, 405TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	16,421.41	
23 05 13 00-0186	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	16,176.68	
23 05 13 00-0187	EA	100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	21,188.49	
23 05 13 00-0188	EA	125 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	19,295.76	
23 05 13 00-0189	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	19,124.18	
23 05 13 00-0190	EA	125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	23,936.48	
23 05 13 00-0191	EA	150 HP, 3,600 RPM, 445TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	22,621.01	
23 05 13 00-0192	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	22,404.20	
23 05 13 00-0193	EA	150 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	26,987.73	
23 05 13 00-0194	EA	200 HP, 3,600 RPM, 447TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	26,786.88	
23 05 13 00-0195	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	26,951.82	
23 05 13 00-0196	EA	200 HP, 1,200 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	35,351.40	
23 05 13 00-0197 Premium Efficient, Explosion Proof Motors (23 05 13 00-0001)				
Note: NEMA premium efficiency, explosion proof, three phase AC motors.				
23 05 13 00-0198	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,417.89	
23 05 13 00-0199	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,468.43	
23 05 13 00-0200	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,601.44	
23 05 13 00-0201	EA	3 HP, 1,800 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,979.19	
23 05 13 00-0202	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,194.66	
23 05 13 00-0203	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	3,024.65	
23 05 13 00-0204	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	3,087.16	
23 05 13 00-0205	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	4,179.17	
23 05 13 00-0206	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	4,764.42	
23 05 13 00-0207	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	6,259.45	
23 05 13 00-0208	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	7,025.59	
23 05 13 00-0209	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	9,187.00	
23 05 13 00-0210	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	10,346.85	
23 05 13 00-0211	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	14,474.15	
23 05 13 00-0212	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	16,992.03	
23 05 13 00-0213	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	20,699.02	
23 05 13 00-0214	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	27,054.23	
23 05 13 00-0215	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	30,868.96	
23 05 13 00-0216 Motor Mounting (23 05 13)				
Note: Includes handling and motor installation on mounting base. Excludes mounting base.				
23 05 13 00-0217	EA	1/2 HP Motor Mounting	167.70	85.32
23 05 13 00-0218	EA	3/4 HP Motor Mounting	193.23	106.66
23 05 13 00-0219	EA	1 HP Motor Mounting	206.71	106.66
23 05 13 00-0220	EA	1-1/2 HP Motor Mounting	222.21	106.66
23 05 13 00-0221	EA	2 HP Motor Mounting	240.22	127.99
23 05 13 00-0222	EA	3 HP Motor Mounting	277.76	127.99
23 05 13 00-0223	EA	5 HP Motor Mounting	329.20	213.33
23 05 13 00-0224	EA	7-1/2 HP Motor Mounting	423.25	213.33
23 05 13 00-0225	EA	10 HP Motor Mounting	555.53	373.31
23 05 13 00-0226	EA	15 HP Motor Mounting	683.73	373.31
23 05 13 00-0227	EA	20 HP Motor Mounting	808.04	533.30
23 05 13 00-0228	EA	25 HP Motor Mounting	916.33	533.30
23 05 13 00-0229	EA	30 HP Motor Mounting	1,111.05	533.30
23 05 13 00-0230	EA	40 HP Motor Mounting	1,251.88	799.96

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 13 Common Motor Requirements for HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0231 EA 50 HP Motor Mounting	1,388.81	799.96
23 05 13 00-0232 EA 75 HP Motor Mounting	1,677.05	1,173.27
23 05 13 00-0233 EA 100 HP Motor Mounting	2,020.09	1,173.27
23 05 13 00-0234 EA 125 HP Motor Mounting	2,469.00	1,599.91
23 05 13 00-0235 EA 150 HP Motor Mounting	2,867.22	1,599.91
23 05 13 00-0236 EA 200 HP Motor Mounting	3,292.00	1,919.89
23 05 16 Expansion Fittings and Loops for HVAC Piping (23 05)		
23 05 16 00-0001 Stainless Steel Bellows Type Expansion Joints (23 05 16)		
Note: Includes internal sleeves and external covers.		
23 05 16 00-0002 Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)		
Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0003 EA 1-1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	187.35	81.73
For 300 LB Rating, Add	5.95	
23 05 16 00-0004 EA 3/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	210.29	92.16
For 300 LB Rating, Add	6.52	
23 05 16 00-0005 EA 1" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	245.24	105.65
For 300 LB Rating, Add	8.50	
23 05 16 00-0006 EA 1-1/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	276.39	117.93
For 300 LB Rating, Add	10.20	
23 05 16 00-0007 EA 1-1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	298.81	126.74
For 300 LB Rating, Add	11.33	
23 05 16 00-0008 EA 2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	345.80	149.15
For 300 LB Rating, Add	11.90	
23 05 16 00-0009 Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)		
Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0010 EA 1-1/4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	647.06	81.72
For 300 LB Rating, Add	136.39	
23 05 16 00-0011 EA 1-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	704.10	98.07
For 300 LB Rating, Add	145.30	
23 05 16 00-0012 EA 2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	736.98	124.50
For 300 LB Rating, Add	145.33	
23 05 16 00-0013 EA 2-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	794.20	135.43
For 300 LB Rating, Add	156.10	
23 05 16 00-0014 EA 3" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	873.43	158.78
For 300 LB Rating, Add	168.68	
23 05 16 00-0015 EA 4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,061.36	266.18
For 300 LB Rating, Add	181.95	
23 05 16 00-0016 EA 5" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,450.11	292.44
For 300 LB Rating, Add	271.28	
23 05 16 00-0017 EA 6" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,336.93	324.93
For 300 LB Rating, Add	232.33	
23 05 16 00-0018 EA 8" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,720.33	415.19
For 300 LB Rating, Add	301.14	
23 05 16 00-0019 EA 10" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	2,189.98	505.44
For 300 LB Rating, Add	389.55	
23 05 16 00-0020 EA 12" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	2,880.26	382.87
For 300 LB Rating, Add	528.38	
23 05 16 00-0021 EA 14" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	3,672.26	722.07
For 300 LB Rating, Add	692.42	
23 05 16 00-0022 EA 16" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	4,757.86	794.27
For 300 LB Rating, Add	941.26	
23 05 16 00-0023 Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)		
Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0024 EA 1-1/4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	662.25	112.08
For 300 LB Rating, Add	109.54	
23 05 16 00-0025 EA 1-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	692.86	113.01
For 300 LB Rating, Add	116.71	
23 05 16 00-0026 EA 2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	700.64	116.75
For 300 LB Rating, Add	116.73	
23 05 16 00-0027 EA 2-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	756.41	127.30
For 300 LB Rating, Add	125.38	
23 05 16 00-0028 EA 3" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	842.77	149.71
For 300 LB Rating, Add	135.76	
23 05 16 00-0029 EA 4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,180.21	298.13
For 300 LB Rating, Add	146.14	
23 05 16 00-0030 EA 5" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,481.41	305.71
For 300 LB Rating, Add	217.89	
23 05 16 00-0031 EA 6" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,422.87	338.47
For 300 LB Rating, Add	186.61	
23 05 16 00-0032 EA 8" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,739.88	386.76
For 300 LB Rating, Add	241.88	
23 05 16 00-0033 EA 10" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	2,197.33	473.85
For 300 LB Rating, Add	312.88	
23 05 16 00-0034 EA 12" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	2,846.29	574.40
For 300 LB Rating, Add	424.39	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23****Common Work Results for HVAC 23 05****Expansion Fittings and Loops for HVAC Piping 23 05 16****23**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0035	EA	14" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	3,480.72 577.68	584.87
23 05 16 00-0036	EA	16" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	4,603.65 785.29	731.08
23 05 17 Sleeves and Sleeve Seals for HVAC Piping (23 05)				
23 05 17 00-0001 Wall Seals And Sleeves (23 05 17)				
Note: Up to 12" walls. Excludes drilling hole.				
23 05 17 00-0002 Ductile Iron Wall Sleeve (23 05 17 00-0001)				
Note: Includes rubber gasket seal.				
23 05 17 00-0003	EA	3" Ductile Iron Wall Sleeve With Rubber Gasket Seal	105.05	44.43
23 05 17 00-0004	EA	4" Ductile Iron Wall Sleeve With Rubber Gasket Seal	128.29	51.89
23 05 17 00-0005	EA	6" Ductile Iron Wall Sleeve With Rubber Gasket Seal	156.32	62.26
23 05 17 00-0006	EA	8" Ductile Iron Wall Sleeve With Rubber Gasket Seal	224.19	93.34
23 05 17 00-0007	EA	10" Ductile Iron Wall Sleeve With Rubber Gasket Seal	290.27	124.42
23 05 17 00-0008	EA	12" Ductile Iron Wall Sleeve With Rubber Gasket Seal	358.80	155.60
23 05 17 00-0009 Steel Pipe Sleeves (23 05 17 00-0001)				
Note: Includes link seals 12" length.				
23 05 17 00-0010	EA	2" Steel Pipe Sleeve With Link Seals	118.74	45.06
23 05 17 00-0011	EA	2-1/2" Steel Pipe Sleeve With Link Seals	144.41	48.85
23 05 17 00-0012	EA	3" Steel Pipe Sleeve With Link Seals	168.94	52.63
23 05 17 00-0013	EA	4" Steel Pipe Sleeve With Link Seals	208.35	63.15
23 05 17 00-0014	EA	6" Steel Pipe Sleeve With Link Seals	297.97	78.86
23 05 17 00-0015	EA	10" Steel Pipe Sleeve With Link Seals	504.53	94.67
23 05 17 00-0016	EA	13-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	595.24	118.34
23 05 17 00-0017	EA	17-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	787.62	145.60
23 05 17 00-0018	EA	23-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	1,070.98	189.34
23 05 17 00-0019	EA	29-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	1,182.26	236.67
23 05 19 Meters and Gages for HVAC Piping (23 05)				
See CSI section 33 19 00 00-0000 for water utility service metering.				
23 05 19 00-0001 Thermometers (23 05 19)				
23 05 19 00-0002 Dial Type, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometers (23 05 19 00-0001)				
Note: Various ranges.				
23 05 19 00-0003	EA	2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	101.77	32.45
23 05 19 00-0004	EA	2-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	120.13	32.45
23 05 19 00-0005	EA	3-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	120.13	32.45
23 05 19 00-0006 Liquid Filled Industrial Union Connection Type Thermometers (23 05 19 00-0001)				
Note: Various ranges.				
23 05 19 00-0007	EA	7" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	138.49	32.45
23 05 19 00-0008	EA	9" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	138.49	32.45
23 05 19 00-0009	EA	12" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	176.89	32.45
23 05 19 00-0010	EA	7" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	143.50	32.45
23 05 19 00-0011	EA	9" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	151.85	32.45
23 05 19 00-0012	EA	12" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	181.90	32.45
23 05 19 00-0013 Liquid Filled Industrial Separable Socket Type Thermometers (23 05 19 00-0001)				
Note: Various ranges. Socket connection for thermowell.				
23 05 19 00-0014	EA	7" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	138.49	32.45
23 05 19 00-0015	EA	9" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	138.49	32.45
23 05 19 00-0016	EA	12" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	176.89	32.45
23 05 19 00-0017	EA	7" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	160.20	32.45
23 05 19 00-0018	EA	9" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	176.89	32.45
23 05 19 00-0019	EA	12" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	181.15	32.45
23 05 19 00-0020 1" NPT, 304 Stainless Steel Thermowells (23 05 19 00-0001)				
23 05 19 00-0021	EA	4" Long, 1" NPT, 304 Stainless Steel Thermowell	152.01	60.83
23 05 19 00-0022	EA	8" Long, 1" NPT, 304 Stainless Steel Thermowell	151.95	60.83
23 05 19 00-0023 Pressure Gauges (23 05 19)				
23 05 19 00-0024 Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges (23 05 19 00-0023)				
23 05 19 00-0025	EA	2" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	36.03	12.67
23 05 19 00-0026	EA	4" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	45.88	12.67
23 05 19 00-0027 Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges (23 05 19 00-0023)				
23 05 19 00-0028	EA	3-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	190.21	12.67

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 19 Meters and Gages for HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0029 EA 4-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	190.21	12.67
23 05 19 00-0030 EA 6" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	246.20	12.67
23 05 19 00-0031 EA 8-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	575.92	12.67
23 05 19 00-0032 Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges (23 05 19 00-0023) Note: Liquid filled.		
23 05 19 00-0033 EA 2-1/2" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	100.16	12.67
23 05 19 00-0034 EA 4" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	219.78	12.67
23 05 19 00-0035 Steel Case, 0 To 10K PSI High Pressure, Pressure Gauges (23 05 19 00-0023)		
23 05 19 00-0036 EA 4-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	324.18	12.67
23 05 19 00-0037 EA 6-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	324.18	12.67
23 05 19 00-0038 EA 8-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	324.18	12.67
23 05 19 00-0039 Gauge Accessories (23 05 19 00-0023)		
23 05 19 00-0040 EA Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer)	74.94	10.14
23 05 19 00-0041 EA 1/4" Snubber Valve	47.09	10.14
23 05 19 00-0042 EA 1/4" Female Pipe Thread, Brass Gauge Cock	29.79	15.21
23 05 19 00-0043 EA 1/4" Male Pipe Thread, Brass Gauge Cock	25.90	15.21
23 05 19 00-0044 EA 1/4" Pressure Pigtail Steam Siphon	27.15	15.21
23 05 19 00-0045 EA 1/4" x 3" Long Black Steel Nipple	5.84	5.07
23 05 19 00-0046 EA 1/4" Steel Thread-O-Let	61.34	25.35
23 05 19 00-0047 EA 1/4", 300 LB, Black Steel Union	69.01	10.14
23 05 19 00-0048 EA 1/4" Black Steel Coupling	22.08	10.14
23 05 19 00-0049 EA 1/4", 300 LB, Black Steel Plug	12.58	6.08
23 05 19 00-0050 EA 1/4", 150 LB, Black Steel Cap	13.19	6.08
23 05 19 00-0051 LF 1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	6.75	3.35
23 05 19 00-0052 LF 1/4" Schedule 80, Plain End, Black Steel Pipe	6.41	3.35
23 05 19 00-0053 LF 1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	6.97	
23 05 19 00-0054 EA 1/4" Threaded, 800 LB, Forged Steel, Ball Valve	91.48	
23 05 19 00-0055 Valve Lock Covers (23 05 19)		
23 05 19 00-0056 EA Valve Lock Cover	62.89	15.51
23 05 19 00-0057 Sight Flow Indicator (23 05 19)		
23 05 19 00-0058 Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (23 05 19 00-0057)		
23 05 19 00-0059 EA 1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	117.71	14.76
23 05 19 00-0060 EA 3/8" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	123.00	15.53
23 05 19 00-0061 EA 1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	132.86	16.32
23 05 19 00-0062 EA 3/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	150.20	21.99
23 05 19 00-0063 EA 1" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	179.66	26.66
23 05 19 00-0064 EA 1-1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	205.10	33.74
23 05 19 00-0065 EA 1-1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	287.25	39.01
23 05 19 00-0066 EA 2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	319.35	46.11
23 05 19 00-0067 Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (23 05 19 00-0057)		
23 05 19 00-0068 EA 1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	151.34	14.76
23 05 19 00-0069 EA 3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	155.88	15.53
23 05 19 00-0070 EA 1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	167.99	16.32
23 05 19 00-0071 EA 3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	180.10	21.99
23 05 19 00-0072 EA 1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	192.37	26.66
23 05 19 00-0073 EA 1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	210.33	33.74
23 05 19 00-0074 EA 1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	388.90	39.01
23 05 19 00-0075 EA 2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	418.02	46.11

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Common Work Results for HVAC 23 05

Meters and Gages for HVAC Piping 23 05 19

23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0076		Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (23 05 19 00-0057)		
23 05 19 00-0077	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	216.37	14.76
23 05 19 00-0078	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	228.39	15.53
23 05 19 00-0079	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	247.97	16.32
23 05 19 00-0080	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	271.28	21.99
23 05 19 00-0081	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	311.96	26.66
23 05 19 00-0082	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	332.17	33.74
23 05 19 00-0083	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	657.98	39.01
23 05 19 00-0084	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	694.57	46.11
23 05 19 00-0085		Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicators (23 05 19 00-0057)		
23 05 19 00-0086	EA	1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	149.10	14.76
23 05 19 00-0087	EA	3/8" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	155.14	15.53
23 05 19 00-0088	EA	1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	164.25	16.32
23 05 19 00-0089	EA	3/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	179.35	21.99
23 05 19 00-0090	EA	1" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	191.62	26.66
23 05 19 00-0091	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	210.33	33.74
23 05 19 00-0092	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	384.41	39.01
23 05 19 00-0093	EA	2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	412.04	46.11
23 05 19 00-0094		Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicators (23 05 19 00-0057)		
23 05 19 00-0095	EA	1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	214.88	14.76
23 05 19 00-0096	EA	3/8" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	231.38	15.53
23 05 19 00-0097	EA	1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	252.45	16.32
23 05 19 00-0098	EA	3/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	271.28	21.99
23 05 19 00-0099	EA	1" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	311.96	26.66
23 05 19 00-0100	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	335.16	33.74
23 05 19 00-0101	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	657.98	39.01
23 05 19 00-0102	EA	2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	694.57	46.11
23 05 19 00-0103		Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicators (23 05 19 00-0057)		
23 05 19 00-0104	EA	1" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	317.94	26.66
23 05 19 00-0105	EA	1-1/4" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	359.08	33.74
23 05 19 00-0106	EA	1-1/2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	408.33	39.01
23 05 19 00-0107	EA	2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	459.88	46.11
23 05 19 00-0108		Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicators (23 05 19 00-0057)		
23 05 19 00-0109	EA	1-1/2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	703.28	106.41
23 05 19 00-0110	EA	2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	789.67	135.10
23 05 19 00-0111	EA	3" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,152.71	158.68
23 05 19 00-0112	EA	4" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,746.41	266.01
23 05 19 00-0113	EA	6" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	2,802.63	324.78
23 05 19 00-0114		Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicators (23 05 19 00-0057)		
23 05 19 00-0115	EA	1" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	538.10	76.01
23 05 19 00-0116	EA	1-1/4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	634.87	88.68
23 05 19 00-0117	EA	1-1/2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	687.96	106.41
23 05 19 00-0118	EA	2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	862.54	135.10
23 05 19 00-0119	EA	3" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,242.03	158.68
23 05 19 00-0120	EA	4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,843.21	266.01
23 05 19 00-0121		Venturi Flowmeters (23 05 19)		
23 05 19 00-0122		Threaded, Brass, Venturi Flowmeters (23 05 19 00-0121)		
23 05 19 00-0123	EA	3/4" Threaded, Brass, Venturi Flowmeter	247.56	68.95
		For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0124	EA	1" Threaded, Brass, Venturi Flowmeter	274.19	82.73
		For Portable Venturi Flow Meter, Add	995.00	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 19 Meters and Gages for HVAC Piping**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0125	EA	1-1/4" Threaded, Brass, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i>	302.49 995.00	91.96
23 05 19 00-0126	EA	1-1/2" Threaded, Brass, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i>	340.90 995.00	103.43
23 05 19 00-0127	EA	2" Threaded, Brass, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i>	405.25 995.00	118.23
23 05 19 00-0128	EA	2-1/2" Threaded, Brass, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i>	556.70 995.00	163.93
23 05 19 00-0129 Butt Weld, Carbon Steel, Venturi Flowmeters (23 05 19 00-0121)				
23 05 19 00-0130	EA	3" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	844.28 995.00 196.09	142.00
23 05 19 00-0131	EA	4" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	1,143.86 995.00 281.07	170.41
23 05 19 00-0132	EA	5" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	1,490.52 995.00 372.58	213.01
23 05 19 00-0133	EA	6" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	1,800.61 995.00 431.41	284.01
23 05 19 00-0134	EA	8" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	2,567.86 995.00 660.19	340.80
23 05 19 00-0135	EA	10" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	4,082.93 995.00 1,130.82	426.00
23 05 19 00-0136	EA	12" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	6,108.46 995.00 1,712.57	607.71
23 05 19 00-0137	EA	14" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	8,621.10 995.00 2,379.29	911.55
23 05 19 00-0138	EA	16" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	12,577.49 995.00 3,693.13	1,012.84
23 05 19 00-0139 Turbine Flowmeter (23 05 19)				
23 05 19 00-0140	EA	Saddle Mount Turbine Flowmeter	575.61	76.05
23 05 19 00-0141 Water Flow Switches (23 05 19)				
23 05 19 00-0142	EA	Flexible Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BF-1)	207.06	29.89
23 05 19 00-0143	EA	Rigid Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BR-1)	213.90	29.89
23 05 19 00-0144	EA	Flexible Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BF-1)	271.71	29.89
23 05 19 00-0145	EA	Rigid Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BR-1)	280.46	29.89
23 05 19 00-0146	EA	Flexible Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BF-1)	222.66	29.89
23 05 19 00-0147	EA	Rigid Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BR-1)	230.64	29.89
23 05 19 00-0148	EA	Flexible Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BF-1)	287.31	29.89
23 05 19 00-0149	EA	Rigid Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BR-1)	295.28	29.89
23 05 19 00-0150	EA	Flexible Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SF-1)	552.33	29.89
23 05 19 00-0151	EA	Rigid Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SR-1)	560.07	29.89
23 05 19 00-0152	EA	Flexible Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SF-1)	633.54	29.89
23 05 19 00-0153	EA	Rigid Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SR-1)	644.18	29.89
23 05 19 00-0154	EA	Flexible Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SF-1)	570.70	29.89
23 05 19 00-0155	EA	Rigid Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SR-1)	581.34	29.89
23 05 19 00-0156	EA	Flexible Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SF-1)	651.91	29.89
23 05 19 00-0157	EA	Rigid Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SR-1)	663.52	29.89
23 05 23 General-Duty Valves For HVAC Piping (23 05)				
Note: Flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0669 for bolt and gasket sets.				
23 05 23 00-0001 Gate Valves (23 05 23)				
23 05 23 00-0002 Class 125 Braze Or Soldered Bronze Gate Valves (23 05 23 00-0001)				
Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve 105)				
23 05 23 00-0003	EA	1/4" Diameter, 125 LB Braze Or Soldered Bronze Gate Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	73.11 4.36 6.54 8.85	10.14
23 05 23 00-0004	EA	3/8" Diameter, 125 LB Braze Or Soldered Bronze Gate Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	74.66 4.36 6.54 9.32	10.14
23 05 23 00-0005	EA	1/2" Diameter, 125 LB Braze Or Soldered Bronze Gate Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.55 4.39 6.58 9.81	10.14

**Heating, Ventilating, and Air-Conditioning (HVAC)****23****Common Work Results for HVAC 23 05****General-Duty Valves For HVAC Piping 23 05 23****23**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0006 EA 3/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For Work In Restricted Working Space, Add	91.19 4.71 7.07 13.22	11.15
23 05 23 00-0007 EA 1" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For Work In Restricted Working Space, Add	111.07 5.77 8.66 16.00	12.67
23 05 23 00-0008 EA 1-1/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For Work In Restricted Working Space, Add	161.83 9.43 14.14 20.27	13.48
23 05 23 00-0009 EA 1-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For Work In Restricted Working Space, Add	180.40 10.24 15.37 23.39	15.61
23 05 23 00-0010 EA 2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For Work In Restricted Working Space, Add	216.24 12.41 18.62 27.64	18.44
23 05 23 00-0011 EA 2-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	484.46 36.00 54.00 162.00 37.34	24.92
23 05 23 00-0012 EA 3" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For Work In Restricted Working Space, Add	568.42 42.48 63.72 43.08	28.93
23 05 23 00-0013 Class 125 Brazed Or Soldered Bronze Lead Free Gate Valves (23 05 23 00-0001) Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve UP105, Nibco T113-LF)		
23 05 23 00-0014 EA 1/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For Work In Restricted Working Space, Add	87.63 5.81 8.72 8.85	10.14
23 05 23 00-0015 EA 3/8" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For Work In Restricted Working Space, Add	89.06 5.80 8.70 9.32	10.14
23 05 23 00-0016 EA 1/2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For Work In Restricted Working Space, Add	103.39 7.07 10.60 9.81	10.14
23 05 23 00-0017 EA 3/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For Work In Restricted Working Space, Add	118.03 7.40 11.10 13.22	11.15
23 05 23 00-0018 EA 1" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For Work In Restricted Working Space, Add	141.70 8.84 13.25 16.00	12.67
23 05 23 00-0019 EA 1-1/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For Work In Restricted Working Space, Add	203.72 13.62 20.42 20.27	13.48
23 05 23 00-0020 EA 1-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For Work In Restricted Working Space, Add	233.10 15.51 23.27 23.39	15.61
23 05 23 00-0021 EA 2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For Work In Restricted Working Space, Add	297.66 20.55 30.83 27.64	18.44
23 05 23 00-0022 Class 125 Threaded, Bronze Gate Valves (23 05 23 00-0001) Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0023 EA 1/4" Diameter, 125 LB, Threaded Bronze Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For 250 LB Rating, Add For 300 LB Rating, Add For Work In Restricted Working Space, Add	59.91 3.04 4.56 7.60 10.64 8.85	10.14
23 05 23 00-0024 EA 3/8" Diameter, 125 LB, Threaded Bronze Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For 250 LB Rating, Add For 300 LB Rating, Add For Work In Restricted Working Space, Add	61.46 3.04 4.56 7.60 10.64 9.32	10.14

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0025	EA	1/2" Diameter, 125 LB, Threaded Bronze Gate Valve.....	63.10	10.14
		For 150 LB Rating, Add	3.04	
		For 200 LB Rating, Add	4.56	
		For 250 LB Rating, Add	7.60	
		For 300 LB Rating, Add	10.64	
		For Work In Restricted Working Space, Add	9.81	
23 05 23 00-0026	EA	3/4" Diameter, 125 LB, Threaded Bronze Gate Valve.....	80.34	11.15
		For 150 LB Rating, Add	3.63	
		For 200 LB Rating, Add	5.44	
		For 250 LB Rating, Add	9.07	
		For 300 LB Rating, Add	12.70	
		For Work In Restricted Working Space, Add	13.22	
23 05 23 00-0027	EA	1" Diameter, 125 LB, Threaded Bronze Gate Valve.....	108.14	12.67
		For 150 LB Rating, Add	5.48	
		For 200 LB Rating, Add	8.22	
		For 250 LB Rating, Add	13.70	
		For 300 LB Rating, Add	19.18	
		For Work In Restricted Working Space, Add	16.00	
23 05 23 00-0028	EA	1-1/4" Diameter, 125 LB, Threaded Bronze Gate Valve.....	141.46	13.48
		For 150 LB Rating, Add	7.39	
		For 200 LB Rating, Add	11.08	
		For 250 LB Rating, Add	18.47	
		For 300 LB Rating, Add	25.86	
		For Work In Restricted Working Space, Add	20.27	
23 05 23 00-0029	EA	1-1/2" Diameter, 125 LB, Threaded Bronze Gate Valve.....	171.07	15.61
		For 150 LB Rating, Add	9.31	
		For 200 LB Rating, Add	13.97	
		For 250 LB Rating, Add	23.28	
		For 300 LB Rating, Add	32.59	
		For Work In Restricted Working Space, Add	23.39	
23 05 23 00-0030	EA	2" Diameter, 125 LB, Threaded Bronze Gate Valve.....	219.34	18.44
		For 150 LB Rating, Add	12.72	
		For 200 LB Rating, Add	19.08	
		For 250 LB Rating, Add	31.80	
		For 300 LB Rating, Add	44.52	
		For Work In Restricted Working Space, Add	27.64	
23 05 23 00-0031	EA	2-1/2" Diameter, 125 LB, Threaded Bronze Gate Valve.....	487.27	24.92
		For 150 LB Rating, Add	36.28	
		For 200 LB Rating, Add	54.42	
		For 250 LB Rating, Add	90.71	
		For 300 LB Rating, Add	126.99	
		For Chain Operated Type, Add	163.27	
		For Work In Restricted Working Space, Add	37.34	
23 05 23 00-0032	EA	3" Diameter, 125 LB, Threaded Bronze Gate Valve.....	577.30	28.93
		For 150 LB Rating, Add	43.37	
		For 200 LB Rating, Add	65.06	
		For 250 LB Rating, Add	108.43	
		For 300 LB Rating, Add	151.80	
		For Chain Operated Type, Add	195.17	
		For Work In Restricted Working Space, Add	43.08	
23 05 23 00-0033	EA	4" Diameter, 125 LB, Threaded Bronze Gate Valve.....	1,196.54	32.67
		For 150 LB Rating, Add	103.32	
		For 200 LB Rating, Add	154.98	
		For 250 LB Rating, Add	258.30	
		For 300 LB Rating, Add	361.62	
		For Chain Operated Type, Add	464.94	
		For Work In Restricted Working Space, Add	49.00	
23 05 23 00-0034		200 PSI, Non Rising Stem, Crimped Bronze Gate Valves (23 05 23 00-0001)		
		Note: 200 psi cold working pressure.		
23 05 23 00-0035	EA	1/2" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	102.58	10.14
		For Work In Restricted Working Space, Add	6.84	
23 05 23 00-0036	EA	3/4" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	115.55	11.15
		For Work In Restricted Working Space, Add	7.79	
23 05 23 00-0037	EA	1" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	151.68	12.67
		For Work In Restricted Working Space, Add	9.31	
23 05 23 00-0038	EA	1-1/4" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	206.33	13.48
		For Work In Restricted Working Space, Add	10.26	
23 05 23 00-0039	EA	1-1/2" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	239.09	15.61
		For Work In Restricted Working Space, Add	11.40	
23 05 23 00-0040	EA	2" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	328.69	18.44
		For Work In Restricted Working Space, Add	13.68	
23 05 23 00-0041		Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves (23 05 23 00-0001)		
		Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0042	EA	1-1/2" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	257.54	15.61
		For 150 LB Rating, Add	35.92	
		For 250 LB Rating, Add	62.85	
		For Chain Operated Type, Add	62.85	
		For Work In Restricted Working Space, Add	23.39	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0043	EA	2" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	395.57	18.44
		For 150 LB Rating, Add	60.69	
		For 250 LB Rating, Add	106.20	
		For Chain Operated Type, Add	106.20	
		For Work In Restricted Working Space, Add	27.64	
23 05 23 00-0044	EA	2-1/2" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	580.83	24.92
		For 150 LB Rating, Add	91.28	
		For 250 LB Rating, Add	159.73	
		For Chain Operated Type, Add	159.73	
		For Work In Restricted Working Space, Add	37.34	
23 05 23 00-0045	EA	3" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	742.39	28.93
		For 150 LB Rating, Add	119.76	
		For 250 LB Rating, Add	209.58	
		For Chain Operated Type, Add	209.58	
		For Work In Restricted Working Space, Add	43.08	
23 05 23 00-0046	EA	4" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	1,775.22	32.67
		For 150 LB Rating, Add	322.38	
		For 250 LB Rating, Add	564.16	
		For Chain Operated Type, Add	564.16	
		For Work In Restricted Working Space, Add	49.00	
23 05 23 00-0047 Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves				
<small>(23 05 23 00-0001)</small>				
<small>Note: 125 psi steam, basic rating. 200 psi cold working pressure.</small>				
23 05 23 00-0048	EA	1-1/2" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	365.76	106.41
		For 150 LB Rating, Add	67.40	
		For 250 LB Rating, Add	116.21	
		For 300 LB Rating, ASTM A182, Add	299.09	
		For Chain Operated Type, Add	116.21	
		For Work In Restricted Working Space, Add	40.01	
23 05 23 00-0049	EA	2" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	411.98	135.10
		For 150 LB Rating, Add	70.49	
		For 250 LB Rating, Add	121.54	
		For 300 LB Rating, ASTM A182, Add	327.53	
		For Chain Operated Type, Add	121.54	
		For Work In Restricted Working Space, Add	50.67	
23 05 23 00-0050	EA	2-1/2" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	461.35	135.34
		For 150 LB Rating, Add	84.58	
		For 250 LB Rating, Add	145.82	
		For 300 LB Rating, ASTM A182, Add	376.50	
		For Chain Operated Type, Add	145.82	
		For Work In Restricted Working Space, Add	50.91	
23 05 23 00-0051	EA	3" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	563.12	158.68
		For 150 LB Rating, Add	105.71	
		For 250 LB Rating, Add	182.27	
		For 300 LB Rating, ASTM A182, Add	463.83	
		For Chain Operated Type, Add	182.27	
		For Work In Restricted Working Space, Add	59.58	
23 05 23 00-0052	EA	4" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	819.42	266.01
		For 150 LB Rating, Add	140.96	
		For 250 LB Rating, Add	243.03	
		For 300 LB Rating, ASTM A182, Add	652.74	
		For Chain Operated Type, Add	243.03	
		For Work In Restricted Working Space, Add	100.01	
23 05 23 00-0053	EA	5" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	996.64	292.30
		For 150 LB Rating, Add	183.23	
		For 250 LB Rating, Add	315.91	
		For 300 LB Rating, ASTM A182, Add	814.23	
		For Chain Operated Type, Add	315.91	
		For Work In Restricted Working Space, Add	109.45	
23 05 23 00-0054	EA	6" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,184.97	324.78
		For 150 LB Rating, Add	225.49	
		For 250 LB Rating, Add	388.77	
		For 300 LB Rating, ASTM A182, Add	981.26	
		For Chain Operated Type, Add	388.77	
		For Work In Restricted Working Space, Add	122.23	
23 05 23 00-0055	EA	8" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,803.53	415.00
		For 150 LB Rating, Add	373.52	
		For 250 LB Rating, Add	644.01	
		For 300 LB Rating, ASTM A182, Add	1,545.77	
		For Chain Operated Type, Add	644.01	
		For Work In Restricted Working Space, Add	154.66	
23 05 23 00-0056	EA	10" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	2,332.53	505.21
		For 150 LB Rating, Add	493.30	
		For 250 LB Rating, Add	850.51	
		For 300 LB Rating, ASTM A182, Add	2,016.78	
		For Chain Operated Type, Add	850.51	
		For Work In Restricted Working Space, Add	189.45	
23 05 23 00-0057	EA	12" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	3,195.63	613.47
		For 150 LB Rating, Add	704.75	
		For 250 LB Rating, Add	1,215.08	
		For 300 LB Rating, ASTM A182, Add	2,812.90	
		For Chain Operated Type, Add	1,215.08	
		For Work In Restricted Working Space, Add	229.64	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
23 05 23 00-0058	Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves <small>(23 05 23 00-0001)</small> Note: 125 psi steam, basic rating. 200 psi cold working pressure.				
23 05 23 00-0059	EA 1-1/2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	518.15		15.61	
	For 175 LB Rating, Add	220.10			
	For 250 LB Rating, Add	330.14			
	For Work In Restricted Working Space, Add	23.39			
23 05 23 00-0060	EA 2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	661.18		18.44	
	For 175 LB Rating, Add	284.53			
	For 250 LB Rating, Add	426.79			
	For Work In Restricted Working Space, Add	27.64			
23 05 23 00-0061	EA 2-1/2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	766.13		24.92	
	For 175 LB Rating, Add	320.84			
	For 250 LB Rating, Add	481.26			
	For Work In Restricted Working Space, Add	37.34			
23 05 23 00-0062	EA 3" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	851.63		28.93	
	For 175 LB Rating, Add	354.02			
	For 250 LB Rating, Add	531.02			
	For Work In Restricted Working Space, Add	43.08			
23 05 23 00-0063	EA 4" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	1,141.03		32.67	
	For 175 LB Rating, Add	488.85			
	For 250 LB Rating, Add	733.27			
	For Work In Restricted Working Space, Add	49.00			
23 05 23 00-0064	Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves <small>(23 05 23 00-0001)</small> Note: 125 psi steam, basic rating. 200 psi cold working pressure for up to 12". 100 psi steam, basic rating. 150 psi cold working pressure for >12" to 24". 50 psi steam, basic rating. 150 psi cold working pressure for >24".				
23 05 23 00-0065	EA 1-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	468.39		106.41	
	For 150 LB Rating, Add	50.26			
	For 175 LB Rating, Add	103.86			
	For 250 LB Rating, Add	217.78			
	For Chain Operated Type, Add	167.52			
	For Work In Restricted Working Space, Add	40.01			
23 05 23 00-0066	EA 2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	513.91		135.10	
	For 150 LB Rating, Add	51.75			
	For 175 LB Rating, Add	106.95			
	For 250 LB Rating, Add	224.25			
	For Chain Operated Type, Add	172.50			
	For Work In Restricted Working Space, Add	50.67			
23 05 23 00-0067	EA 2-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	525.97		135.34	
	For 150 LB Rating, Add	53.44			
	For 175 LB Rating, Add	110.44			
	For 250 LB Rating, Add	231.57			
	For Chain Operated Type, Add	178.13			
	For Work In Restricted Working Space, Add	50.91			
23 05 23 00-0068	EA 3" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	590.57		158.68	
	For 150 LB Rating, Add	58.80			
	For 175 LB Rating, Add	121.51			
	For 250 LB Rating, Add	254.79			
	For Chain Operated Type, Add	195.99			
	For Work In Restricted Working Space, Add	59.58			
23 05 23 00-0069	EA 4" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	808.73		266.01	
	For 150 LB Rating, Add	71.31			
	For 175 LB Rating, Add	147.36			
	For 250 LB Rating, Add	308.99			
	For Chain Operated Type, Add	237.69			
	For Work In Restricted Working Space, Add	100.01			
23 05 23 00-0070	EA 5" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,028.06		292.30	
	For 150 LB Rating, Add	99.49			
	For 175 LB Rating, Add	205.60			
	For 250 LB Rating, Add	431.11			
	For Chain Operated Type, Add	331.62			
	For Work In Restricted Working Space, Add	109.45			
23 05 23 00-0071	EA 6" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,164.87		324.78	
	For 150 LB Rating, Add	113.62			
	For 175 LB Rating, Add	234.81			
	For 250 LB Rating, Add	492.34			
	For Chain Operated Type, Add	378.72			
	For Work In Restricted Working Space, Add	122.23			
23 05 23 00-0072	EA 8" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,796.57		415.00	
	For 150 LB Rating, Add	192.16			
	For 175 LB Rating, Add	397.13			
	For 250 LB Rating, Add	832.68			
	For Chain Operated Type, Add	640.53			
	For Work In Restricted Working Space, Add	154.66			
23 05 23 00-0073	EA 10" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	2,603.04		505.21	
	For 150 LB Rating, Add	295.73			
	For 175 LB Rating, Add	611.17			
	For 250 LB Rating, Add	1,281.49			
	For Chain Operated Type, Add	985.77			
	For Work In Restricted Working Space, Add	189.45			



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0074	EA		12" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	3,264.22	613.47
			For 150 LB Rating, Add	374.81	
			For 175 LB Rating, Add	774.61	
			For 250 LB Rating, Add	1,624.19	
			For Chain Operated Type, Add	1,249.38	
			For Work In Restricted Working Space, Add	229.64	
23 05 23 00-0075	EA		14" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	6,419.85	873.03
			For 150 LB Rating, Add	799.28	
			For 175 LB Rating, Add	1,651.85	
			For 250 LB Rating, Add	3,463.56	
			For Work In Restricted Working Space, Add	327.39	
23 05 23 00-0076	EA		16" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	8,287.93	960.34
			For 150 LB Rating, Add	1,063.13	
			For 175 LB Rating, Add	2,197.13	
			For 250 LB Rating, Add	4,606.88	
			For Work In Restricted Working Space, Add	360.73	
23 05 23 00-0077	EA		18" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	11,254.02	1,065.10
			For 150 LB Rating, Add	1,488.40	
			For 175 LB Rating, Add	3,076.02	
			For 250 LB Rating, Add	6,449.72	
			For Work In Restricted Working Space, Add	399.41	
23 05 23 00-0078	EA		20" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	14,256.25	1,200.42
			For 150 LB Rating, Add	1,913.36	
			For 175 LB Rating, Add	3,954.27	
			For 250 LB Rating, Add	8,291.22	
			For Work In Restricted Working Space, Add	450.16	
23 05 23 00-0079	EA		24" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	19,438.36	1,473.25
			For 150 LB Rating, Add	2,639.52	
			For 175 LB Rating, Add	5,455.01	
			For 250 LB Rating, Add	11,437.92	
			For Work In Restricted Working Space, Add	552.47	
23 05 23 00-0080	EA		30" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	40,394.26	2,400.85
			For 150 LB Rating, Add	5,608.98	
			For 175 LB Rating, Add	11,591.89	
			For 250 LB Rating, Add	24,305.58	
			For Work In Restricted Working Space, Add	900.32	
23 05 23 00-0081	EA		36" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	51,512.78	3,201.13
			For 150 LB Rating, Add	7,126.70	
			For 175 LB Rating, Add	14,728.52	
			For 250 LB Rating, Add	30,882.38	
			For Work In Restricted Working Space, Add	1,200.43	
23 05 23 00-0082	EA		42" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	60,510.82	4,064.72
			For 150 LB Rating, Add	8,314.49	
			For 175 LB Rating, Add	17,183.28	
			For 250 LB Rating, Add	36,029.45	
			For Work In Restricted Working Space, Add	1,524.27	
23 05 23 00-0083	EA		48" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	72,827.92	5,080.90
			For 150 LB Rating, Add	9,971.52	
			For 175 LB Rating, Add	20,607.81	
			For 250 LB Rating, Add	43,209.92	
			For Work In Restricted Working Space, Add	1,905.34	
23 05 23 00-0084	EA		54" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	87,393.51	6,097.08
			For 150 LB Rating, Add	11,965.82	
			For 175 LB Rating, Add	24,729.37	
			For 250 LB Rating, Add	51,851.90	
			For Work In Restricted Working Space, Add	2,286.41	
23 05 23 00-0085			Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valves (23 05 23 00-0001)		
			Note: 800 psig at 850 degrees F.		
23 05 23 00-0086	EA		1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	155.67	10.14
			For Work In Restricted Working Space, Add	8.85	
23 05 23 00-0087	EA		1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	158.86	10.14
			For Work In Restricted Working Space, Add	9.81	
23 05 23 00-0088	EA		3/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	187.14	11.15
			For Work In Restricted Working Space, Add	13.22	
23 05 23 00-0089	EA		1" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	227.19	12.67
			For Work In Restricted Working Space, Add	16.00	
23 05 23 00-0090	EA		1-1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	348.07	13.48
			For Work In Restricted Working Space, Add	20.27	
23 05 23 00-0091	EA		1-1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	411.81	15.61
			For Work In Restricted Working Space, Add	23.39	
23 05 23 00-0092	EA		2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	518.29	18.44
			For Work In Restricted Working Space, Add	27.64	
23 05 23 00-0093			Ball Valves (23 05 23)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 23 00-0094		Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves (23 05 23 00-0093)			
		Note: 125 LB WSP.			
23 05 23 00-0095	EA 1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	43.51	10.14		
	For Extension Stems And Sleeves On Insulated Pipe, Add	2.63			
	For Full Port, Add	4.86			
	For Work In Restricted Working Space, Add	9.81			
23 05 23 00-0096	EA 3/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	60.68	11.15		
	For Extension Stems And Sleeves On Insulated Pipe, Add	2.63			
	For Full Port, Add	7.48			
	For Work In Restricted Working Space, Add	13.22			
23 05 23 00-0097	EA 1" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	75.77	12.67		
	For Extension Stems And Sleeves On Insulated Pipe, Add	2.63			
	For Full Port, Add	10.09			
	For Work In Restricted Working Space, Add	16.00			
23 05 23 00-0098	EA 1-1/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	105.24	13.48		
	For Extension Stems And Sleeves On Insulated Pipe, Add	2.63			
	For Full Port, Add	16.95			
	For Work In Restricted Working Space, Add	20.27			
23 05 23 00-0099	EA 1-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	126.07	15.61		
	For Extension Stems And Sleeves On Insulated Pipe, Add	2.63			
	For Full Port, Add	21.65			
	For Work In Restricted Working Space, Add	23.39			
23 05 23 00-0100	EA 2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	152.40	18.44		
	For Extension Stems And Sleeves On Insulated Pipe, Add	2.63			
	For Full Port, Add	27.12			
	For Work In Restricted Working Space, Add	27.64			
23 05 23 00-0101	EA 2-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	408.87	24.92		
	For Extension Stems And Sleeves On Insulated Pipe, Add	2.63			
	For Full Port, Add	127.99			
	For Work In Restricted Working Space, Add	37.34			
23 05 23 00-0102	EA 3" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	471.77	28.93		
	For Extension Stems And Sleeves On Insulated Pipe, Add	2.63			
	For Full Port, Add	147.68			
	For Work In Restricted Working Space, Add	43.08			
23 05 23 00-0103	EA 4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	610.74	32.67		
	For Extension Stems And Sleeves On Insulated Pipe, Add	2.63			
	For Full Port, Add	201.33			
	For Work In Restricted Working Space, Add	49.00			
23 05 23 00-0104		Screwed, 150 LB, Full Port, Carbon Steel Ball Valves (23 05 23 00-0093)			
23 05 23 00-0105	EA 1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	50.19	10.14		
	For Work In Restricted Working Space, Add	8.85			
23 05 23 00-0106	EA 1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	55.15	10.14		
	For Work In Restricted Working Space, Add	9.81			
23 05 23 00-0107	EA 3/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	76.53	11.15		
	For Work In Restricted Working Space, Add	13.22			
23 05 23 00-0108	EA 1" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	97.00	12.67		
	For Work In Restricted Working Space, Add	16.00			
23 05 23 00-0109	EA 1-1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	142.20	13.48		
	For Work In Restricted Working Space, Add	20.27			
23 05 23 00-0110	EA 1-1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	172.50	15.61		
	For Work In Restricted Working Space, Add	23.39			
23 05 23 00-0111	EA 2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	222.30	18.44		
	For Work In Restricted Working Space, Add	27.64			
23 05 23 00-0112		Flanged, 150 LB, Full Port, Carbon Steel Ball Valves (23 05 23 00-0093)			
23 05 23 00-0113	EA 4" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	1,217.78	266.01		
	For Work In Restricted Working Space, Add	100.01			
23 05 23 00-0114	EA 6" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	2,035.79	324.78		
	For Work In Restricted Working Space, Add	122.23			
23 05 23 00-0115	EA 8" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	4,348.33	415.00		
	For Work In Restricted Working Space, Add	154.66			
23 05 23 00-0116		Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves (23 05 23 00-0093)			
23 05 23 00-0117	EA 1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	37.61	10.14		
	For True Union Socket Or Thread Type, Add	3.68			
	For Work In Restricted Working Space, Add	9.81			
23 05 23 00-0118	EA 3/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	49.71	11.15		
	For True Union Socket Or Thread Type, Add	4.57			
	For Work In Restricted Working Space, Add	13.22			
23 05 23 00-0119	EA 1" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	61.22	12.67		
	For True Union Socket Or Thread Type, Add	5.95			
	For Work In Restricted Working Space, Add	16.00			
23 05 23 00-0120	EA 1-1/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	77.91	13.48		
	For True Union Socket Or Thread Type, Add	7.68			
	For Work In Restricted Working Space, Add	20.27			
23 05 23 00-0121	EA 1-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	95.96	15.61		
	For True Union Socket Or Thread Type, Add	11.29			
	For Work In Restricted Working Space, Add	23.39			

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Common Work Results for HVAC 23 05

General-Duty Valves For HVAC Piping 23 05 23

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0122 EA 2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve For True Union Socket Or Thread Type, Add For Work In Restricted Working Space, Add	115.07 14.01 27.64	18.44
23 05 23 00-0123 EA 2-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve For True Union Socket Or Thread Type, Add For Work In Restricted Working Space, Add	173.81 26.28 37.34	24.92
23 05 23 00-0124 EA 3" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve For True Union Socket Or Thread Type, Add For Work In Restricted Working Space, Add	227.52 41.11 43.08	28.93
23 05 23 00-0125 EA 4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve For True Union Socket Or Thread Type, Add For Work In Restricted Working Space, Add	323.80 72.76 49.00	32.67
23 05 23 00-0126 Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves (23 05 23 00-0093)		
23 05 23 00-0127 EA 1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve For Full Port, Add For Work In Restricted Working Space, Add	76.77 14.63 13.28	15.20
23 05 23 00-0128 EA 3/8" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve For Full Port, Add For Work In Restricted Working Space, Add	79.10 14.63 13.98	15.20
23 05 23 00-0129 EA 1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve For Full Port, Add For Work In Restricted Working Space, Add	81.54 14.63 14.71	15.20
23 05 23 00-0130 EA 3/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve For Full Port, Add For Work In Restricted Working Space, Add	100.56 15.51 19.83	16.72
23 05 23 00-0131 EA 1" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve For Full Port, Add For Work In Restricted Working Space, Add	131.07 22.97 24.01	19.00
23 05 23 00-0132 EA 1-1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve For Full Port, Add For Work In Restricted Working Space, Add	171.22 31.44 30.41	20.22
23 05 23 00-0133 EA 1-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve For Full Port, Add For Work In Restricted Working Space, Add	209.84 41.81 35.08	23.41
23 05 23 00-0134 EA 2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve For Full Port, Add For Work In Restricted Working Space, Add	289.40 68.04 41.46	27.67
23 05 23 00-0135 EA 2-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve For Full Port, Add For Work In Restricted Working Space, Add	553.60 165.11 56.00	37.38
23 05 23 00-0136 EA 3" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve For Full Port, Add For Work In Restricted Working Space, Add	798.04 262.19 64.62	43.40
23 05 23 00-0137 Wye Strainer, Union With Two Pressure Ports, Ball Valves (23 05 23 00-0093)		
23 05 23 00-0138 EA 1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve 23 05 23 00-0139 EA 3/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve 23 05 23 00-0140 EA 1" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve 23 05 23 00-0141 EA 1-1/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve 23 05 23 00-0142 EA 1-1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve 23 05 23 00-0143 EA 2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	161.72 207.22 267.42 365.52 457.83 605.36	10.14 13.17 16.22 22.29 25.94 30.41
23 05 23 00-0144 Crimped Bronze, Ball Valves (23 05 23 00-0093)		
23 05 23 00-0145 Crimped Bronze, 250 PSI, Ball Valves (23 05 23 00-0144) Note: Nibco®		
23 05 23 00-0146 EA 1/2" Crimped Bronze, 250 PSI, Ball Valve For Work In Restricted Working Space, Add 23 05 23 00-0147 EA 3/4" Crimped Bronze, 250 PSI, Ball Valve For Work In Restricted Working Space, Add 23 05 23 00-0148 EA 1" Crimped Bronze, 250 PSI, Ball Valve For Work In Restricted Working Space, Add 23 05 23 00-0149 EA 1-1/4" Crimped Bronze, 250 PSI, Ball Valve For Work In Restricted Working Space, Add 23 05 23 00-0150 EA 1-1/2" Crimped Bronze, 250 PSI, Ball Valve For Work In Restricted Working Space, Add 23 05 23 00-0151 EA 2" Crimped Bronze, 250 PSI, Ball Valve For Work In Restricted Working Space, Add	70.99 6.84 91.63 7.79 117.47 9.31 188.80 10.26 249.10 11.40 374.70 13.68	10.14 11.15 12.67 13.48 15.61 18.44
23 05 23 00-0152 Crimped Bronze, 200 PSI, Full Port Ball Valves (23 05 23 00-0144)		
23 05 23 00-0153 EA 1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve 23 05 23 00-0154 EA 3/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve 23 05 23 00-0155 EA 1" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve 23 05 23 00-0156 EA 1-1/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve 23 05 23 00-0157 EA 1-1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve 23 05 23 00-0158 EA 2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	51.11 65.76 80.02 113.80 148.21 221.62	10.14 11.15 12.67 13.48 15.61 18.44

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
23 05 23 00-0159	Crimped Bronze, 250 PSI, Full Port Ball Valves (23 05 23 00-0144)				
23 05 23 00-0160	EA 1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	59.53		10.14	
23 05 23 00-0161	EA 3/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	71.89		11.15	
23 05 23 00-0162	EA 1" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	89.81		12.67	
23 05 23 00-0163	EA 1-1/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	144.41		13.48	
23 05 23 00-0164	EA 1-1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	214.02		15.61	
23 05 23 00-0165	EA 2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	298.15		18.44	
23 05 23 00-0166	Crimped x Threaded Bronze, 250 PSI, Full Port Ball Valves (23 05 23 00-0144)				
23 05 23 00-0167	EA 1/2" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	57.24		10.14	
23 05 23 00-0168	EA 3/4" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	69.74		11.15	
23 05 23 00-0169	EA 1" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	84.91		12.67	
23 05 23 00-0170	Globe Valves (23 05 23)				
23 05 23 00-0171	Threaded Or Sweated, 125 LB, Bronze Body, Globe Valves (23 05 23 00-0170)				
23 05 23 00-0172	EA 1/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	67.31		10.14	
	For 150 LB Rating, Add	10.73			
	For 200 LB Rating, Add	13.15			
	For 250 LB Rating, Add	15.57			
	For 300 LB Rating, Add	19.04			
	For Work In Restricted Working Space, Add	9.81			
23 05 23 00-0173	EA 1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	64.12		10.14	
	For 150 LB Rating, Add	10.73			
	For 200 LB Rating, Add	13.15			
	For 250 LB Rating, Add	15.57			
	For 300 LB Rating, Add	19.04			
	For Work In Restricted Working Space, Add	8.85			
23 05 23 00-0174	EA 3/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	82.72		10.14	
	For 150 LB Rating, Add	16.01			
	For 200 LB Rating, Add	19.63			
	For 250 LB Rating, Add	23.25			
	For 300 LB Rating, Add	28.41			
	For Work In Restricted Working Space, Add	9.32			
23 05 23 00-0175	EA 1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	84.36		10.14	
	For 150 LB Rating, Add	16.01			
	For 200 LB Rating, Add	19.63			
	For 250 LB Rating, Add	23.25			
	For 300 LB Rating, Add	28.41			
	For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	69.91			
	For Work In Restricted Working Space, Add	9.81			
23 05 23 00-0176	EA 3/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	100.06		10.64	
	For 150 LB Rating, Add	17.36			
	For 200 LB Rating, Add	21.28			
	For 250 LB Rating, Add	25.20			
	For 300 LB Rating, Add	30.80			
	For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	79.22			
	For Work In Restricted Working Space, Add	13.22			
23 05 23 00-0177	EA 1" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	129.03		10.64	
	For 150 LB Rating, Add	23.46			
	For 200 LB Rating, Add	28.76			
	For 250 LB Rating, Add	34.06			
	For 300 LB Rating, Add	41.63			
	For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	104.60			
	For Work In Restricted Working Space, Add	16.00			
23 05 23 00-0178	EA 1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	198.29		13.48	
	For 150 LB Rating, Add	40.52			
	For 200 LB Rating, Add	49.67			
	For 250 LB Rating, Add	58.82			
	For 300 LB Rating, Add	71.90			
	For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	170.82			
	For Work In Restricted Working Space, Add	20.27			
23 05 23 00-0179	EA 1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	264.78		15.61	
	For 150 LB Rating, Add	57.91			
	For 200 LB Rating, Add	70.99			
	For 250 LB Rating, Add	84.07			
	For 300 LB Rating, Add	102.75			
	For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	236.69			
	For Work In Restricted Working Space, Add	23.39			
23 05 23 00-0180	EA 2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	311.75		18.44	
	For 150 LB Rating, Add	68.08			
	For 200 LB Rating, Add	83.46			
	For 250 LB Rating, Add	98.83			
	For 300 LB Rating, Add	120.79			
	For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	278.43			
	For Work In Restricted Working Space, Add	27.64			
23 05 23 00-0181	EA 2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	345.87		24.92	
	For 150 LB Rating, Add	68.64			
	For 200 LB Rating, Add	84.14			
	For 250 LB Rating, Add	99.64			
	For 300 LB Rating, Add	121.78			
	For Work In Restricted Working Space, Add	37.34			



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0182	EA	3" Globe Valve, Bronze, Threaded Or Soldered, 125 LB For 150 LB Rating, Add For 200 LB Rating, Add For 250 LB Rating, Add For 300 LB Rating, Add For Work In Restricted Working Space, Add	639.67 153.78 188.51 223.23 272.84 43.08	28.93
23 05 23 00-0183		Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves (23 05 23 00-0170)		
23 05 23 00-0184	EA	2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve For 150 LB Rating, Add For 200 LB Rating, Add For 250 LB Rating, Add For 300 LB Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	477.99 119.62 146.63 173.64 212.22 322.19 27.64	18.44
23 05 23 00-0185	EA	2-1/2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve For 150 LB Rating, Add For 200 LB Rating, Add For 250 LB Rating, Add For 300 LB Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	592.15 144.99 177.73 210.47 257.24 390.53 37.34	24.92
23 05 23 00-0186	EA	3" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve For 150 LB Rating, Add For 200 LB Rating, Add For 250 LB Rating, Add For 300 LB Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	704.85 173.99 213.28 252.56 308.69 468.64 43.08	28.93
23 05 23 00-0187	EA	4" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve For 150 LB Rating, Add For 200 LB Rating, Add For 250 LB Rating, Add For 300 LB Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	911.63 231.98 284.37 336.75 411.58 624.86 48.99	32.67
23 05 23 00-0188		Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves (23 05 23 00-0170)		
23 05 23 00-0189	EA	2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve For 150 LB Rating, Add For 250 LB Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	368.02 61.72 89.60 99.56 50.67	135.10
23 05 23 00-0190	EA	2-1/2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve For 150 LB Rating, Add For 250 LB Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	412.44 75.25 109.23 121.37 50.91	135.34
23 05 23 00-0191	EA	3" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve For 150 LB Rating, Add For 250 LB Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	489.87 90.30 131.08 145.64 59.58	158.68
23 05 23 00-0192	EA	4" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve For 150 LB Rating, Add For 250 LB Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	721.73 120.39 174.77 194.19 100.01	266.01
23 05 23 00-0193	EA	5" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve For 150 LB Rating, Add For 250 LB Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	904.89 167.42 243.03 270.04 109.45	292.30
23 05 23 00-0194	EA	6" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve For 150 LB Rating, Add For 250 LB Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	1,090.11 211.63 307.21 341.34 122.23	324.78
23 05 23 00-0195	EA	8" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve For 150 LB Rating, Add For 250 LB Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	1,565.33 325.44 472.41 524.91 154.66	415.00
23 05 23 00-0196	EA	10" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve For 150 LB Rating, Add For 250 LB Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	2,230.49 495.68 719.54 799.49 189.45	505.21
23 05 23 00-0197	EA	12" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve For 150 LB Rating, Add For 250 LB Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	3,791.18 937.97 1,361.57 1,512.86 229.64	613.47

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
23 05 23 00-0198 Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valves (23 05 23 00-0170)					
23 05 23 00-0199	EA 1/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	58.92		10.14	
	For 150 LB Rating, Add	8.13			
	For 200 LB Rating, Add	9.96			
	For 300 LB Rating, Add	14.42			
	For Work In Restricted Working Space, Add	9.81			
23 05 23 00-0200	EA 1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	55.73		10.14	
	For 150 LB Rating, Add	8.13			
	For 200 LB Rating, Add	9.96			
	For 300 LB Rating, Add	14.42			
	For Work In Restricted Working Space, Add	8.85			
23 05 23 00-0201	EA 3/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	57.28		10.14	
	For 150 LB Rating, Add	8.13			
	For 200 LB Rating, Add	9.96			
	For 300 LB Rating, Add	14.42			
	For Work In Restricted Working Space, Add	9.32			
23 05 23 00-0202	EA 1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	60.66		10.14	
	For 150 LB Rating, Add	8.67			
	For 200 LB Rating, Add	10.62			
	For 300 LB Rating, Add	15.38			
	For Work In Restricted Working Space, Add	9.81			
23 05 23 00-0203	EA 3/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	82.84		10.64	
	For 150 LB Rating, Add	12.02			
	For 200 LB Rating, Add	14.74			
	For 300 LB Rating, Add	21.33			
	For Work In Restricted Working Space, Add	13.22			
23 05 23 00-0204	EA 1" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	104.22		10.64	
	For 150 LB Rating, Add	15.77			
	For 200 LB Rating, Add	19.33			
	For 300 LB Rating, Add	27.98			
	For Work In Restricted Working Space, Add	16.00			
23 05 23 00-0205	EA 1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	143.16		13.48	
	For 150 LB Rating, Add	23.43			
	For 200 LB Rating, Add	28.72			
	For 300 LB Rating, Add	41.57			
	For Work In Restricted Working Space, Add	20.27			
23 05 23 00-0206	EA 1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	166.09		15.61	
	For 150 LB Rating, Add	27.32			
	For 200 LB Rating, Add	33.49			
	For 300 LB Rating, Add	48.47			
	For Work In Restricted Working Space, Add	23.39			
23 05 23 00-0207	EA 2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	224.87		18.44	
	For 150 LB Rating, Add	41.15			
	For 200 LB Rating, Add	50.44			
	For 300 LB Rating, Add	73.01			
	For Work In Restricted Working Space, Add	27.64			
23 05 23 00-0208	EA 2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	374.57		27.06	
	For 150 LB Rating, Add	74.23			
	For 200 LB Rating, Add	90.99			
	For 300 LB Rating, Add	131.69			
	For Work In Restricted Working Space, Add	40.54			
23 05 23 00-0209	EA 3" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	561.42		31.42	
	For 150 LB Rating, Add	125.71			
	For 200 LB Rating, Add	154.09			
	For 300 LB Rating, Add	223.03			
	For Work In Restricted Working Space, Add	46.78			
23 05 23 00-0210 Flanged, 125 LB, Iron Body, Angle Globe Valves (23 05 23 00-0170)					
23 05 23 00-0211	EA 2" Flanged, 125 LB, Iron Body, Angle Globe Valve	681.20		135.10	
	For 250 LB Rating, Add	307.37			
	For Chain Operated Type, Add	199.79			
	For Work In Restricted Working Space, Add	50.67			
23 05 23 00-0212	EA 2-1/2" Flanged, 125 LB, Iron Body, Angle Globe Valve	775.58		135.34	
	For 250 LB Rating, Add	363.52			
	For Chain Operated Type, Add	236.29			
	For Work In Restricted Working Space, Add	50.91			
23 05 23 00-0213	EA 3" Flanged, 125 LB, Iron Body, Angle Globe Valve	912.56		158.68	
	For 250 LB Rating, Add	428.38			
	For Chain Operated Type, Add	278.45			
	For Work In Restricted Working Space, Add	59.58			
23 05 23 00-0214	EA 4" Flanged, 125 LB, Iron Body, Angle Globe Valve	1,353.11		266.01	
	For 250 LB Rating, Add	611.85			
	For Chain Operated Type, Add	397.70			
	For Work In Restricted Working Space, Add	100.01			
23 05 23 00-0215	EA 5" Flanged, 125 LB, Iron Body, Angle Globe Valve	2,192.40		292.30	
	For 250 LB Rating, Add	1,096.55			
	For Chain Operated Type, Add	712.76			
	For Work In Restricted Working Space, Add	109.45			
23 05 23 00-0216	EA 6" Flanged, 125 LB, Iron Body, Angle Globe Valve	2,235.01		324.78	
	For 250 LB Rating, Add	1,096.55			
	For Chain Operated Type, Add	712.76			
	For Work In Restricted Working Space, Add	122.23			

**Heating, Ventilating, and Air-Conditioning (HVAC)****23****Common Work Results for HVAC 23 05****General-Duty Valves For HVAC Piping 23 05 23****23**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0217	EA	8" Flanged, 125 LB, Iron Body, Angle Globe Valve..... <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,092.46 2,146.16 1,395.01 154.66	415.00
23 05 23 00-0218		Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valves (23 05 23 00-0170) Note: 800 PSIG at 850 degrees F.		
23 05 23 00-0219	EA	1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	197.20 8.85	16.42
23 05 23 00-0220	EA	1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	200.39 9.81	16.42
23 05 23 00-0221	EA	3/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	234.83 13.22	22.09
23 05 23 00-0222	EA	1" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	290.27 16.00	26.66
23 05 23 00-0223	EA	1-1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	473.73 20.27	33.74
23 05 23 00-0224	EA	1-1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	568.74 23.39	39.01
23 05 23 00-0225	EA	2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	724.45 27.64	46.11
23 05 23 00-0226		Triple Duty Valves (23 05 23) Note: Valves function as a shut-off, check valve and calibrated balancing valve.		
23 05 23 00-0227		Straight Pattern, Triple Duty Valves (23 05 23 00-0226) Note: Bell & Gossett 3DX and 3DS-S Series.		
23 05 23 00-0228	EA	1" Threaded, Straight Pattern, Triple Duty Valve.....	249.78	10.64
23 05 23 00-0229	EA	1-1/4" Threaded, Straight Pattern, Triple Duty Valve.....	289.92	13.48
23 05 23 00-0230	EA	1-1/2" Threaded, Straight Pattern, Triple Duty Valve.....	315.18	15.61
23 05 23 00-0231	EA	2" Flanged, Straight Pattern, Triple Duty Valve.....	813.91	135.10
23 05 23 00-0232	EA	2-1/2" Flanged, Straight Pattern, Triple Duty Valve.....	914.80	135.34
23 05 23 00-0233	EA	3" Flanged, Straight Pattern, Triple Duty Valve.....	1,002.99	158.68
23 05 23 00-0234	EA	4" Flanged, Straight Pattern, Triple Duty Valve.....	2,045.96	266.01
23 05 23 00-0235	EA	5" Flanged, Straight Pattern Triple Duty Valve.....	2,385.09	292.30
23 05 23 00-0236	EA	6" Flanged, Straight Pattern, Triple Duty Valve.....	3,165.38	324.78
23 05 23 00-0237	EA	8" Flanged, Straight Pattern, Triple Duty Valve.....	4,259.51	415.00
23 05 23 00-0238	EA	10" Flanged, Straight Pattern, Triple Duty Valve.....	6,814.65	505.21
23 05 23 00-0239		Flanged, Angle Pattern, Triple Duty Valves (23 05 23 00-0226) Note: Bell & Gossett 3D-S Series.		
23 05 23 00-0240	EA	2" Flanged, Angle Pattern, Triple Duty Valve.....	795.38	135.10
23 05 23 00-0241	EA	2-1/2" Flanged, Angle Pattern, Triple Duty Valve.....	892.56	135.34
23 05 23 00-0242	EA	3" Flanged, Angle Pattern, Triple Duty Valve.....	984.46	158.68
23 05 23 00-0243	EA	4" Flanged, Angle Pattern, Triple Duty Valve.....	1,997.77	266.01
23 05 23 00-0244	EA	5" Flanged, Angle Pattern, Triple Duty Valve.....	2,325.78	292.30
23 05 23 00-0245	EA	6" Flanged, Angle Pattern, Triple Duty Valve.....	2,609.34	324.78
23 05 23 00-0246	EA	8" Flanged, Angle Pattern, Triple Duty Valve.....	3,996.32	415.00
23 05 23 00-0247	EA	10" Flanged, Angle Pattern, Triple Duty Valve.....	5,335.59	505.21
23 05 23 00-0248		Balanced, Straight Pattern, Triple Duty Valves (23 05 23 00-0226) Note: Bell & Gossett 3DS-B Series.		
23 05 23 00-0249	EA	3" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	921.44	158.68
23 05 23 00-0250	EA	4" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	1,830.96	266.01
23 05 23 00-0251	EA	5" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	2,136.73	292.30
23 05 23 00-0252	EA	6" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	2,828.05	324.78
23 05 23 00-0253	EA	8" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	3,799.85	415.00
23 05 23 00-0254	EA	10" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	6,047.32	505.21
23 05 23 00-0255	EA	12" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	9,083.99	613.47
23 05 23 00-0256	EA	14" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	11,038.27	721.73
23 05 23 00-0257	EA	16" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	13,815.36	793.91
23 05 23 00-0258		Grooved Straight Pattern, Triple Duty Valves (23 05 23 00-0226) Note: Bell & Gossett 3DS-G Series.		
23 05 23 00-0259	EA	2" Grooved, Straight Pattern, Triple Duty Valve.....	852.51	25.04
23 05 23 00-0260	EA	2-1/2" Grooved, Straight Pattern, Triple Duty Valve.....	1,016.30	29.87
23 05 23 00-0261	EA	3" Grooved, Straight Pattern, Triple Duty Valve.....	1,182.86	32.39
23 05 23 00-0262	EA	4" Grooved, Straight Pattern, Triple Duty Valve.....	1,961.80	34.91
23 05 23 00-0263	EA	5" Grooved, Straight Pattern, Triple Duty Valve.....	2,274.19	46.01
23 05 23 00-0264	EA	6" Grooved, Straight Pattern Triple Duty Valve.....	3,031.70	59.00
23 05 23 00-0265	EA	8" Grooved, Straight Pattern Triple Duty Valve.....	4,122.76	74.88
23 05 23 00-0266	EA	10" Grooved, Straight Pattern Triple Duty Valve.....	6,502.21	83.90
23 05 23 00-0267	EA	12" Grooved, Straight Pattern Triple Duty Valve.....	10,320.37	102.30
23 05 23 00-0268		Plug Valves (23 05 23)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 23 00-0269		Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated (23 05 23 00-0268)	
		Note: Includes wrench.	
23 05 23 00-0270	EA	1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	277.98 10.14
23 05 23 00-0271	EA	3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	289.34 11.15
23 05 23 00-0272	EA	1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	366.20 12.67
23 05 23 00-0273	EA	1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	438.00 13.48
23 05 23 00-0274	EA	1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	480.93 15.61
23 05 23 00-0275	EA	2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	567.68 18.44
23 05 23 00-0276	EA	2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	852.79 24.92
23 05 23 00-0277	EA	3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	1,044.64 28.93
23 05 23 00-0278		Plug Valves, Lubricated, Semisteel Flanged (23 05 23 00-0268)	
		Note: Wrench operated for 4", gear operated for 6" and 10".	
23 05 23 00-0279	EA	2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	381.54 135.10
23 05 23 00-0280	EA	2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	449.79 135.34
23 05 23 00-0281	EA	3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	550.53 158.68
23 05 23 00-0282	EA	4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	809.94 266.01
23 05 23 00-0283	EA	6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	1,678.80 324.78
23 05 23 00-0284	EA	8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	2,806.04 415.00
23 05 23 00-0285	EA	10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	4,448.55 505.21
23 05 23 00-0286	EA	12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	6,559.22 613.47
23 05 23 00-0287		Plug Valves, Forged Steel, Screwed (23 05 23 00-0268)	
23 05 23 00-0288	EA	1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,081.87 10.14
23 05 23 00-0289	EA	3/4" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,277.57 11.15
23 05 23 00-0290	EA	1" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,443.89 12.67
23 05 23 00-0291	EA	1-1/4" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,731.98 13.48
23 05 23 00-0292	EA	1-1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	2,016.99 15.61
23 05 23 00-0293	EA	2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	2,654.74 18.44
23 05 23 00-0294		Plug Valves, Eccentric, Cast Iron Flanged (23 05 23 00-0268)	
23 05 23 00-0295	EA	4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	835.42 266.01
23 05 23 00-0296	EA	6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	1,268.34 324.78
23 05 23 00-0297	EA	8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	1,715.54 415.00
23 05 23 00-0298	EA	10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	2,407.67 505.21
23 05 23 00-0299	EA	12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	3,096.36 613.47
23 05 23 00-0300		Foot Valves (23 05 23)	
23 05 23 00-0301		Single Poppet Foot Valves, Metal To Metal Seat Construction (23 05 23 00-0300)	
23 05 23 00-0302	EA	1" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	86.99 25.35
23 05 23 00-0303	EA	1-1/4" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	99.09 28.39
23 05 23 00-0304	EA	1-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	128.08 32.45
23 05 23 00-0305	EA	2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	169.81 36.50
23 05 23 00-0306	EA	2-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	392.64 59.82
23 05 23 00-0307	EA	3" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	502.93 73.00
23 05 23 00-0308		Double Poppet Foot Valves, Metal To Metal Seat Construction (23 05 23 00-0300)	
23 05 23 00-0309	EA	1" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	86.99 25.35
23 05 23 00-0310	EA	1-1/4" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	192.35 28.39
23 05 23 00-0311	EA	1-1/2" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	181.88 32.45
23 05 23 00-0312	EA	2" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	248.69 36.50
23 05 23 00-0313	EA	3" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	490.43 59.82
23 05 23 00-0314	EA	4" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	668.86 71.99
23 05 23 00-0315		Float Valves (23 05 23)	
23 05 23 00-0316		Float Valve Assembly For Maintaining Liquid Level In Tanks (23 05 23 00-0315)	
23 05 23 00-0317		Single Seat, Bronze Construction (23 05 23 00-0316)	
		Note: For storage tanks, reservoirs, cooling towers and filtration plants.	
23 05 23 00-0318	EA	Inlet Size 1/2", Maximum PSI 100, Single Seat Float Valve.....	211.17 21.29
23 05 23 00-0319	EA	Inlet Size 3/4", Maximum PSI 100, Single Seat Float Valve.....	241.84 25.34
23 05 23 00-0320	EA	Inlet Size 1", Maximum PSI 100, Single Seat Float Valve.....	315.21 27.36
23 05 23 00-0321	EA	Inlet Size 1-1/4", Maximum PSI 90, Single Seat Float Valve.....	528.56 34.46
23 05 23 00-0322	EA	Inlet Size 1-1/2", Maximum PSI 90, Single Seat Float Valve.....	538.70 39.53
23 05 23 00-0323		Double Seat, Bronze Construction (23 05 23 00-0316)	
		Note: For hot or cold water or oil to open tanks.	
23 05 23 00-0324	EA	Pipe Size 1/2" Maximum PSI 150, Double Seat Float Valve.....	1,155.13 21.29
23 05 23 00-0325	EA	Pipe Size 3/4" Maximum PSI 150, Double Seat Float Valve.....	1,163.25 25.34
23 05 23 00-0326	EA	Pipe Size 1" Maximum PSI 150, Double Seat Float Valve.....	1,343.28 27.36
23 05 23 00-0327	EA	Pipe Size 1-1/4" Maximum PSI 150, Double Seat Float Valve.....	1,483.90 34.46
23 05 23 00-0328	EA	Pipe Size 1-1/2" Maximum PSI 150, Double Seat Float Valve.....	1,696.33 39.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0329 EA Pipe Size 2" Maximum PSI 150, Double Seat Float Valve.....	2,226.35	46.62
23 05 23 00-0330 EA Pipe Size 2-1/2" Maximum PSI 150, Double Seat Float Valve.....	2,586.97	62.53
23 05 23 00-0331 EA Pipe Size 3" Maximum PSI 150, Double Seat Float Valve.....	3,112.29	71.87
23 05 23 00-0332 Float Valve Single Seated Balanced For Air Oil Or Water (23 05 23 00-0315)		
Note: Includes arm, ball and bracket.		
23 05 23 00-0333 Brass Body Threaded Ends (23 05 23 00-0332)		
23 05 23 00-0334 EA 1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	219.30	27.46
23 05 23 00-0335 EA 3/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	248.09	30.51
23 05 23 00-0336 EA 1" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	308.46	33.74
23 05 23 00-0337 EA 1-1/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	492.88	54.53
23 05 23 00-0338 EA 1-1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	514.76	62.13
23 05 23 00-0339 EA 2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	577.56	77.02
23 05 23 00-0340 Cast Iron Body Flanged (23 05 23 00-0332)		
23 05 23 00-0341 EA 2-1/2" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket.....	7,279.54	135.34
23 05 23 00-0342 EA 3" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket.....	8,802.84	158.68
23 05 23 00-0343 Float Operated Valves (23 05 23 00-0315)		
23 05 23 00-0344 For Condensate Receivers Tanks And Vessels (23 05 23 00-0343)		
Note: Cast iron body, self-contained, float in-line mount.		
23 05 23 00-0345 EA 1" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket.....	803.00	47.63
23 05 23 00-0346 For Condensate Receivers Tanks And Vessels (23 05 23 00-0343)		
Note: Cast iron body, external float tank mount, flanged.		
23 05 23 00-0347 EA 3/4" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket.....	1,004.63	88.67
23 05 23 00-0348 Needle Valves (23 05 23)		
23 05 23 00-0349 Bronze Needle Valve (23 05 23 00-0348)		
Note: For heating and cooling applications.		
23 05 23 00-0350 EA 1/4" Needle Valve, Bronze.....	109.21	10.14
23 05 23 00-0351 EA 3/8" Needle Valve, Bronze.....	121.99	10.14
23 05 23 00-0352 EA 1/2" Needle Valve, Bronze.....	133.59	10.14
23 05 23 00-0353 EA 3/4" Needle Valve, Bronze.....	203.41	11.15
23 05 23 00-0354 EA 1" Needle Valve, Bronze.....	313.28	12.67
23 05 23 00-0355 Eccentric Valves With Taps (23 05 23)		
23 05 23 00-0356 Screwed Eccentric Valves With Taps (23 05 23 00-0355)		
23 05 23 00-0357 EA 1/2" Diameter Eccentric Valves With Taps, Screwed.....	153.50	10.14
23 05 23 00-0358 EA 3/4" Diameter Eccentric Valves With Taps, Screwed.....	166.71	11.15
23 05 23 00-0359 EA 1" Diameter Eccentric Valves With Taps, Screwed.....	209.45	12.67
23 05 23 00-0360 EA 1-1/4" Diameter Eccentric Valves With Taps, Screwed.....	255.27	13.48
23 05 23 00-0361 EA 1-1/2" Diameter Eccentric Valves With Taps, Screwed.....	280.53	15.61
23 05 23 00-0362 EA 2" Diameter Eccentric Valves With Taps, Screwed.....	330.01	18.44
23 05 23 00-0363 EA 2-1/2" Diameter Eccentric Valves With Taps, Screwed.....	492.41	24.92
23 05 23 00-0364 EA 3" Diameter Eccentric Valves With Taps, Screwed.....	595.19	28.93
23 05 23 00-0365 Flanged Eccentric Valves With Taps (23 05 23 00-0355)		
23 05 23 00-0366 EA 2-1/2" Diameter Eccentric Valves With Taps, Flanged.....	606.43	135.34
23 05 23 00-0367 EA 3" Diameter Eccentric Valves With Taps, Flanged.....	718.94	158.68
23 05 23 00-0368 EA 4" Diameter Eccentric Valves With Taps, Flanged.....	993.09	266.01
23 05 23 00-0369 EA 5" Diameter Eccentric Valves With Taps, Flanged.....	1,294.02	292.30
23 05 23 00-0370 EA 6" Diameter Eccentric Valves With Taps, Flanged.....	1,615.39	324.78
23 05 23 00-0371 EA 8" Diameter Eccentric Valves With Taps, Flanged.....	2,699.14	415.00
23 05 23 00-0372 EA 10" Diameter Eccentric Valves With Taps, Flanged.....	3,744.33	505.21
23 05 23 00-0373 EA 12" Diameter Eccentric Valves With Taps, Flanged.....	6,294.21	613.47
23 05 23 00-0374 Earthquake-Sensitive Gas Shut-Off Valve (23 05 23)		
23 05 23 00-0375 0.5 PSI Threaded Earthquake Gas Shutoff Valves (23 05 23 00-0374)		
23 05 23 00-0376 EA 3/4" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve.....	155.11	11.15
23 05 23 00-0377 EA 1" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve.....	175.60	12.67
23 05 23 00-0378 7 PSI Threaded Earthquake Gas Shutoff Valves (23 05 23 00-0374)		
23 05 23 00-0379 EA 1-1/4" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve.....	205.11	13.48
23 05 23 00-0380 EA 1-1/2" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve.....	276.63	15.61

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
23 05 23 00-0381	60 PSI Threaded Earthquake Gas Shutoff Valves (23 05 23 00-0374)				
23 05 23 00-0382	EA 3/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	191.79		11.15	
23 05 23 00-0383	EA 1" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	201.07		12.67	
23 05 23 00-0384	EA 1-1/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	225.48		13.48	
23 05 23 00-0385	EA 1-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	307.19		15.61	
23 05 23 00-0386	EA 2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	703.41		18.44	
23 05 23 00-0387	EA 2-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	837.16		24.83	
23 05 23 00-0388	EA 3" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	1,085.99		28.93	
23 05 23 00-0389	EA 4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	1,258.57		32.67	
23 05 23 00-0390	60 PSI Flanged Earthquake Gas Shutoff Valves (23 05 23 00-0374)				
23 05 23 00-0391	EA 2" Flanged, 60 PSI Earthquake Gas Shutoff Valve	983.95		135.10	
23 05 23 00-0392	EA 3" Flanged, 60 PSI Earthquake Gas Shutoff Valve	1,212.30		158.68	
23 05 23 00-0393	EA 4" Flanged, 60 PSI Earthquake Gas Shutoff Valve	1,708.74		266.01	
23 05 23 00-0394	EA 6" Flanged, 60 PSI Earthquake Gas Shutoff Valve	2,801.61		324.78	
23 05 23 00-0395	EA 8" Flanged, 60 PSI Earthquake Gas Shutoff Valve	7,545.24		415.00	
23 05 23 00-0396	Emergency Shut-Off Valve With Fusible Link (23 05 23)				
23 05 23 00-0397	Threaded, Fusible Brass Gate Valves (Morrison Bros. 939) (23 05 23 00-0396)				
	Note: Brass globe/gate valve used to shut off product flow in the event of a fire. Fusible element in the handwheel automatically closes the valve when in contact with 165° F.				
23 05 23 00-0398	EA 1/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	64.80		16.32	
	For Work In Restricted Working Space, Add	8.85			
23 05 23 00-0399	EA 3/8" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	66.39		17.22	
	For Work In Restricted Working Space, Add	9.33			
23 05 23 00-0400	EA 1/2" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	105.33		16.32	
	For Work In Restricted Working Space, Add	9.81			
23 05 23 00-0401	EA 3/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	205.32		21.99	
	For Work In Restricted Working Space, Add	13.22			
23 05 23 00-0402	EA 1" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	510.54		26.66	
	For Work In Restricted Working Space, Add	16.00			
23 05 23 00-0403	Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) (23 05 23 00-0396)				
	Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.				
23 05 23 00-0404	EA 1-1/2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	393.76		15.61	
23 05 23 00-0405	EA 2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	425.74		18.44	
23 05 23 00-0406	EA 3" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	713.77		28.93	
23 05 23 00-0407	Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) (23 05 23 00-0396)				
	Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.				
23 05 23 00-0408	EA 2" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	585.75		135.10	
23 05 23 00-0409	EA 3" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	945.63		158.68	
23 05 23 00-0410	EA 4" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	2,149.66		266.01	
23 05 23 00-0411	Check Valves (23 05 23)				
23 05 23 00-0412	Iron Body Wafer Type Check Valve (23 05 23 00-0411)				
23 05 23 00-0413	Single Disk Type (23 05 23 00-0412)				
23 05 23 00-0414	EA 2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	439.61		135.16	
	For 150 LB Rating, Add	56.83			
	For 200 LB Rating, Add	67.66			
	For 300 LB Rating, Add	81.19			
	For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	155.58			
23 05 23 00-0415	EA 2-1/2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	524.37		135.43	
	For 150 LB Rating, Add	74.46			
	For 200 LB Rating, Add	88.64			
	For 300 LB Rating, Add	106.37			
	For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	193.51			
23 05 23 00-0416	EA 3" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	646.87		158.78	
	For 150 LB Rating, Add	94.11			
	For 200 LB Rating, Add	112.04			
	For 300 LB Rating, Add	134.45			
	For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	241.41			
23 05 23 00-0417	EA 4" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	940.57		266.18	
	For 150 LB Rating, Add	127.47			
	For 200 LB Rating, Add	151.75			
	For 300 LB Rating, Add	182.10			
	For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	339.86			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0418 EA 6" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB..... For 150 LB Rating, Add For 200 LB Rating, Add For 300 LB Rating, Add For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	1,417.76 199.66 237.70 285.23 521.25	373.59
23 05 23 00-0419 EA 8" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB..... For 150 LB Rating, Add For 200 LB Rating, Add For 300 LB Rating, Add For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	1,994.17 306.41 364.77 437.72 763.60	429.63
23 05 23 00-0420 EA 10" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB..... For 150 LB Rating, Add For 200 LB Rating, Add For 300 LB Rating, Add For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	2,989.01 489.39 582.61 699.13 1,180.41	523.03
23 05 23 00-0421 Twin Disc Type (23 05 23 00-0412)		
23 05 23 00-0422 EA 2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB..... For 150 LB Rating, Add For 200 LB Rating, Add For 300 LB Rating, Add For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	538.01 77.49 92.26 110.71 199.86	135.16
23 05 23 00-0423 EA 2-1/2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB..... For 150 LB Rating, Add For 200 LB Rating, Add For 300 LB Rating, Add For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	612.68 93.00 110.72 132.86 233.25	135.43
23 05 23 00-0424 EA 3" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB..... For 150 LB Rating, Add For 200 LB Rating, Add For 300 LB Rating, Add For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	715.43 108.51 129.18 155.02 272.27	158.78
23 05 23 00-0425 EA 4" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB..... For 150 LB Rating, Add For 200 LB Rating, Add For 300 LB Rating, Add For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	989.77 137.80 164.05 196.86 362.00	266.18
23 05 23 00-0426 EA 6" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB..... For 150 LB Rating, Add For 200 LB Rating, Add For 300 LB Rating, Add For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	1,525.13 222.21 264.54 317.45 569.56	373.59
23 05 23 00-0427 EA 8" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB..... For 150 LB Rating, Add For 200 LB Rating, Add For 300 LB Rating, Add For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	2,149.67 339.35 403.99 484.79 833.93	429.63
23 05 23 00-0428 EA 10" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB..... For 150 LB Rating, Add For 200 LB Rating, Add For 300 LB Rating, Add For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	3,213.25 537.43 639.80 767.76 1,282.45	513.68
23 05 23 00-0429 EA 12" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB..... For 150 LB Rating, Add For 200 LB Rating, Add For 300 LB Rating, Add For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	4,220.29 720.05 857.20 1,028.64 1,701.26	635.10
23 05 23 00-0430 EA 14" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB..... For 150 LB Rating, Add For 200 LB Rating, Add For 300 LB Rating, Add For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	7,970.28 1,464.18 1,743.08 2,091.69 3,337.13	748.48
23 05 23 00-0431 EA 16" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB..... For 150 LB Rating, Add For 200 LB Rating, Add For 300 LB Rating, Add For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	10,941.04 2,067.09 2,460.82 2,952.98 4,649.03	878.22
23 05 23 00-0432 EA 18" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB..... For 150 LB Rating, Add For 200 LB Rating, Add For 300 LB Rating, Add For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	14,584.39 2,806.57 3,341.16 4,009.39 6,258.04	978.02
23 05 23 00-0433 EA 20" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB..... For 150 LB Rating, Add For 200 LB Rating, Add For 300 LB Rating, Add For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	17,354.67 3,356.31 3,995.61 4,794.74 7,466.55	1,097.77
23 05 23 00-0434 EA 24" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB..... For 150 LB Rating, Add For 200 LB Rating, Add For 300 LB Rating, Add For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	22,689.29 4,410.08 5,250.10 6,300.12 9,787.96	1,347.27
23 05 23 00-0435 Lift Check Valves (23 05 23 00-0411)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 23 00-0436		Bronze Body, Threaded, Vertical Lift Check Valves (23 05 23 00-0435)	
		Note: Watts #600 series.	
23 05 23 00-0437	EA	3/8" Lift Check Valve, Bronze, Threaded	112.30 10.14
23 05 23 00-0438	EA	1/2" Lift Check Valve, Bronze, Threaded	118.85 10.14
23 05 23 00-0439	EA	3/4" Lift Check Valve, Bronze, Threaded	151.36 10.64
23 05 23 00-0440	EA	1" Lift Check Valve, Bronze, Threaded	199.78 10.64
23 05 23 00-0441	EA	1-1/4" Lift Check Valve, Bronze, Threaded	277.47 13.48
23 05 23 00-0442	EA	1-1/2" Lift Check Valve, Bronze, Threaded	337.86 15.61
23 05 23 00-0443	EA	2" Lift Check Valve, Bronze, Threaded	482.90 18.44
23 05 23 00-0444		Bronze Body, Threaded, 300 LB, Lift Check Valves (23 05 23 00-0435)	
		Note: Crane 366E.	
23 05 23 00-0445	EA	1/2" Lift Check Valve, Bronze, Threaded, 300 LB	707.48 10.14
23 05 23 00-0446	EA	3/4" Lift Check Valve, Bronze, Threaded, 300 LB	859.04 10.64
23 05 23 00-0447	EA	1" Lift Check Valve, Bronze, Threaded, 300 LB	1,543.13 10.64
23 05 23 00-0448	EA	1-1/4" Lift Check Valve, Bronze, Threaded, 300 LB	2,056.87 13.48
23 05 23 00-0449	EA	1-1/2" Lift Check Valve, Bronze, Threaded, 300 LB	2,233.79 15.61
23 05 23 00-0450	EA	2" Lift Check Valve, Bronze, Threaded, 300 LB	2,870.12 18.44
23 05 23 00-0451		Iron Body, Flanged, 125 LB Vertical Lift Check Valves (23 05 23 00-0435)	
		Note: Mueller 105MAP.	
23 05 23 00-0452	EA	2" Lift Check Valve, Iron Body, Flanged, 125 LB	1,024.30 135.10
23 05 23 00-0453	EA	2-1/2" Lift Check Valve, Iron Body, Flanged, 125 LB	905.49 135.34
23 05 23 00-0454	EA	3" Lift Check Valve, Iron Body, Flanged, 125 LB	991.93 158.68
23 05 23 00-0455	EA	4" Lift Check Valve, Iron Body, Flanged, 125 LB	1,399.49 266.01
23 05 23 00-0456	EA	5" Lift Check Valve, Iron Body, Flanged, 125 LB	1,736.28 292.30
23 05 23 00-0457	EA	6" Lift Check Valve, Iron Body, Flanged, 125 LB	2,125.50 324.78
23 05 23 00-0458	EA	8" Lift Check Valve, Iron Body, Flanged, 125 LB	3,660.11 415.00
23 05 23 00-0459	EA	10" Lift Check Valve, Iron Body, Flanged, 125 LB	4,590.71 505.21
23 05 23 00-0460	EA	12" Lift Check Valve, Iron Body, Flanged, 125 LB	7,352.46 613.47
23 05 23 00-0461	EA	14" Lift Check Valve, Iron Body, Flanged, 125 LB	10,065.82 873.03
23 05 23 00-0462	EA	16" Lift Check Valve, Iron Body, Flanged, 125 LB	11,150.98 960.34
23 05 23 00-0463		Bronze Body Swing Check Valves (23 05 23 00-0411)	
23 05 23 00-0464		Bronze Body, Threaded, Brazed Or Soldered Installation, 125 LB, Swing Check Valves (23 05 23 00-0463)	
23 05 23 00-0465	EA	1/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	75.35 10.14
		For 300 LB Rating, Add	16.63
		For Work In Restricted Working Space, Add	9.81
23 05 23 00-0466	EA	1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	72.16 10.14
		For 300 LB Rating, Add	16.63
		For Work In Restricted Working Space, Add	8.85
23 05 23 00-0467	EA	3/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	73.71 10.14
		For 300 LB Rating, Add	16.63
		For Work In Restricted Working Space, Add	9.32
23 05 23 00-0468	EA	1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	77.02 10.14
		For 300 LB Rating, Add	17.28
		For Work In Restricted Working Space, Add	9.81
23 05 23 00-0469	EA	3/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	97.76 10.64
		For 300 LB Rating, Add	20.94
		For Work In Restricted Working Space, Add	13.22
23 05 23 00-0470	EA	1" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	126.26 10.64
		For 300 LB Rating, Add	28.44
		For Work In Restricted Working Space, Add	16.00
23 05 23 00-0471	EA	1-1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	169.92 13.48
		For 300 LB Rating, Add	39.92
		For Work In Restricted Working Space, Add	20.27
23 05 23 00-0472	EA	1-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	221.29 15.61
		For 300 LB Rating, Add	55.90
		For Work In Restricted Working Space, Add	23.39
23 05 23 00-0473	EA	2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	276.41 18.44
		For 300 LB Rating, Add	71.87
		For Work In Restricted Working Space, Add	27.64
23 05 23 00-0474	EA	2-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	548.07 24.92
		For 300 LB Rating, Add	165.21
		For Work In Restricted Working Space, Add	37.34
23 05 23 00-0475	EA	3" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	746.10 28.93
		For 300 LB Rating, Add	234.98
		For Work In Restricted Working Space, Add	43.08
23 05 23 00-0476	EA	4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	845.13 32.67
		For 300 LB Rating, Add	265.90
		For Work In Restricted Working Space, Add	49.00
23 05 23 00-0477		125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves (23 05 23 00-0411)	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0478 EA 1" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	305.38	76.01
For 150 LB Rating, Add	142.64	
For 250 LB Rating, Add	272.70	
For Work In Restricted Working Space, Add	28.68	
23 05 23 00-0479 EA 1-1/4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	341.26	88.68
For 150 LB Rating, Add	157.15	
For 250 LB Rating, Add	300.43	
For Work In Restricted Working Space, Add	33.05	
23 05 23 00-0480 EA 1-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	384.00	106.41
For 150 LB Rating, Add	170.44	
For 250 LB Rating, Add	325.85	
For Work In Restricted Working Space, Add	40.01	
23 05 23 00-0481 EA 2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	480.22	135.10
For 150 LB Rating, Add	211.69	
For 250 LB Rating, Add	404.70	
For Work In Restricted Working Space, Add	50.67	
23 05 23 00-0482 EA 2-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	533.03	135.34
For 150 LB Rating, Add	247.06	
For 250 LB Rating, Add	472.32	
For Work In Restricted Working Space, Add	50.91	
23 05 23 00-0483 EA 3" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	593.40	158.68
For 150 LB Rating, Add	268.47	
For 250 LB Rating, Add	513.25	
For Work In Restricted Working Space, Add	59.58	
23 05 23 00-0484 EA 4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	943.52	266.01
For 150 LB Rating, Add	414.91	
For 250 LB Rating, Add	793.21	
For Work In Restricted Working Space, Add	100.01	
23 05 23 00-0485 EA 5" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	1,260.65	292.30
For 150 LB Rating, Add	609.16	
For 250 LB Rating, Add	1,164.58	
For Work In Restricted Working Space, Add	109.45	
23 05 23 00-0486 EA 6" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	1,446.11	324.78
For 150 LB Rating, Add	706.30	
For 250 LB Rating, Add	1,350.28	
For Work In Restricted Working Space, Add	122.23	
23 05 23 00-0487 EA 8" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	3,108.72	415.00
For 150 LB Rating, Add	1,763.38	
For 250 LB Rating, Add	3,371.16	
For Work In Restricted Working Space, Add	154.66	
23 05 23 00-0488 EA 10" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	4,161.41	505.21
For 150 LB Rating, Add	2,400.33	
For 250 LB Rating, Add	4,588.87	
For Work In Restricted Working Space, Add	189.45	
23 05 23 00-0489 EA 12" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	6,270.18	613.47
For 150 LB Rating, Add	3,743.20	
For 250 LB Rating, Add	7,156.12	
For Work In Restricted Working Space, Add	229.64	
23 05 23 00-0490 EA 14" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	7,323.38	873.03
For 150 LB Rating, Add	4,237.81	
For 250 LB Rating, Add	8,101.70	
For Work In Restricted Working Space, Add	327.39	
23 05 23 00-0491 EA 16" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	10,277.40	960.34
For 150 LB Rating, Add	6,172.35	
For 250 LB Rating, Add	11,800.07	
For Work In Restricted Working Space, Add	360.13	
23 05 23 00-0492 EA 18" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	15,597.85	1,065.10
For 150 LB Rating, Add	9,701.20	
For 250 LB Rating, Add	18,546.41	
For Work In Restricted Working Space, Add	399.41	
23 05 23 00-0493 EA 20" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	21,357.06	1,200.42
For 150 LB Rating, Add	13,502.44	
For 250 LB Rating, Add	25,813.49	
For Work In Restricted Working Space, Add	450.16	
23 05 23 00-0494 EA 24" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	29,639.46	1,473.25
For 150 LB Rating, Add	18,902.57	
For 250 LB Rating, Add	36,137.27	
For Work In Restricted Working Space, Add	552.47	
23 05 23 00-0495 Class 800 Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Piston Check, Swing Check Valves (23 05 23 00-0411) Note: 800 PSIG at 850 Degrees F.		
23 05 23 00-0496 EA 1/2" Class 800, Threaded, Forged Steel Swing Check Valve	180.39	10.14
For Work In Restricted Working Space, Add	9.81	
23 05 23 00-0497 EA 3/4" 800, Threaded, Forged Steel Swing Check Valve	211.75	11.15
For Work In Restricted Working Space, Add	13.22	
23 05 23 00-0498 EA 1" Class 800, Threaded, Forged Steel Swing Check Valve	250.27	12.67
For Work In Restricted Working Space, Add	16.00	
23 05 23 00-0499 EA 1-1/4" Class 800, Threaded, Forged Steel Swing Check Valve	389.62	13.48
For Work In Restricted Working Space, Add	20.27	
23 05 23 00-0500 EA 1-1/2" 800, Threaded, Forged Steel Swing Check Valve	462.58	15.61
For Work In Restricted Working Space, Add	23.39	
23 05 23 00-0501 EA 2" Class 800, Threaded, Forged Steel Swing Check Valve	627.52	18.44
For Work In Restricted Working Space, Add	27.64	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0502 Swing Check Valves, 150 LB Polyvinyl Chloride (PVC) Socket Weld End Connections (23 05 23 00-0411)			
23 05 23 00-0503	EA 1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB For Work In Restricted Working Space, Add	52.80 9.81	10.14
23 05 23 00-0504	EA 3/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB For Work In Restricted Working Space, Add	64.16 13.22	11.15
23 05 23 00-0505	EA 1" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB For Work In Restricted Working Space, Add	74.23 16.00	12.67
23 05 23 00-0506	EA 1-1/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB For Work In Restricted Working Space, Add	89.32 20.27	13.48
23 05 23 00-0507	EA 1-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB For Work In Restricted Working Space, Add	100.97 23.39	15.61
23 05 23 00-0508	EA 2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB For Work In Restricted Working Space, Add	127.91 27.64	18.44
23 05 23 00-0509	EA 2-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB For Work In Restricted Working Space, Add	175.39 37.34	24.92
23 05 23 00-0510	EA 3" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB For Work In Restricted Working Space, Add	209.69 43.08	28.93
23 05 23 00-0511 Crimped Bronze, 200 PSI, Y-Pattern, Swing Check Valves (23 05 23 00-0411) Note: Nibco®			
23 05 23 00-0512	EA 1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve For Work In Restricted Working Space, Add	134.15 6.84	10.14
23 05 23 00-0513	EA 3/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve For Work In Restricted Working Space, Add	170.58 7.79	11.15
23 05 23 00-0514	EA 1" Crimped Bronze, 200 PSI, Y-Pattern Check Valve For Work In Restricted Working Space, Add	235.48 9.31	12.67
23 05 23 00-0515	EA 1-1/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve For Work In Restricted Working Space, Add	313.44 10.26	13.48
23 05 23 00-0516	EA 1-1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve For Work In Restricted Working Space, Add	373.75 11.40	15.61
23 05 23 00-0517	EA 2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve For Work In Restricted Working Space, Add	534.27 13.68	18.44
23 05 23 00-0518 Crimped Bronze, 250 PSI, In-Line, Check Valves (23 05 23 00-0411)			
23 05 23 00-0519	EA 1/2" Crimped Bronze, 200 PSI, In-Line Check Valve For Work In Restricted Working Space, Add	44.65 6.84	10.14
23 05 23 00-0520	EA 3/4" Crimped Bronze, 200 PSI, In-Line Check Valve For Work In Restricted Working Space, Add	53.94 7.79	11.15
23 05 23 00-0521	EA 1" Crimped Bronze, 200 PSI, In-Line Check Valve For Work In Restricted Working Space, Add	63.27 9.31	12.67
23 05 23 00-0522	EA 1-1/4" Crimped Bronze, 200 PSI, In-Line Check Valve For Work In Restricted Working Space, Add	80.81 10.26	13.48
23 05 23 00-0523	EA 1-1/2" Crimped Bronze, 200 PSI, In-Line Check Valve For Work In Restricted Working Space, Add	104.17 11.40	15.61
23 05 23 00-0524	EA 2" Crimped Bronze, 200 PSI, In-Line Check Valve For Work In Restricted Working Space, Add	166.02 13.68	18.44
23 05 23 00-0525 Diaphragm Valves (23 05 23)			
23 05 23 00-0526 Polytetrafluoroethylene (PTFE) Or Viton Lined, Threaded Cast Iron Diaphragm Valves (23 05 23 00-0525)			
23 05 23 00-0527	EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated For Work In Restricted Working Space, Add	265.65 26.65	30.33
23 05 23 00-0528	EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated For Work In Restricted Working Space, Add	342.39 32.23	33.60
23 05 23 00-0529	EA 1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated For Work In Restricted Working Space, Add	369.48 34.71	41.54
23 05 23 00-0530	EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated For Work In Restricted Working Space, Add	587.85 55.93	62.07
23 05 23 00-0531	EA 2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated For Work In Restricted Working Space, Add	955.42 91.16	74.67
23 05 23 00-0532 Polytetrafluoroethylene (PTFE) Or Viton Lined, Flanged Cast Iron Diaphragm Valves (23 05 23 00-0525)			
23 05 23 00-0533	EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated For Work In Restricted Working Space, Add	218.94 21.89	48.65
23 05 23 00-0534	EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated For Work In Restricted Working Space, Add	253.59 25.36	50.68
23 05 23 00-0535	EA 1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated For Work In Restricted Working Space, Add	302.96 30.30	76.01
23 05 23 00-0536	EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated For Work In Restricted Working Space, Add	455.88 45.59	106.41
23 05 23 00-0537	EA 2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated For Work In Restricted Working Space, Add	715.26 71.53	135.10
23 05 23 00-0538	EA 2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated For Work In Restricted Working Space, Add	902.86 90.29	135.34
23 05 23 00-0539	EA 3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated For Work In Restricted Working Space, Add	1,118.50 111.85	158.68
23 05 23 00-0540	EA 4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated For Work In Restricted Working Space, Add	1,596.17 159.62	266.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0541 EA 6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	3,236.59	324.78
23 05 23 00-0542 EA 8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	5,001.87	415.00
23 05 23 00-0543 Ethylene Propylene Diene Monomer (EPDM) Lined, Threaded Cast Iron Diaphragm Valves (23 05 23 00-0525)		
23 05 23 00-0544 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	158.93	30.33
23 05 23 00-0545 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	210.37	33.60
23 05 23 00-0546 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	237.46	41.54
23 05 23 00-0547 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	408.08	62.07
23 05 23 00-0548 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	536.91	74.67
23 05 23 00-0549 Ethylene Propylene Diene Monomer (EPDM) Lined, Flanged Cast Iron Diaphragm Valves (23 05 23 00-0525)		
23 05 23 00-0550 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	151.32	48.65
23 05 23 00-0551 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	176.27	50.68
23 05 23 00-0552 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	225.62	76.01
23 05 23 00-0553 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	350.57	106.41
23 05 23 00-0554 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	470.06	135.10
23 05 23 00-0555 EA 2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	562.34	135.34
23 05 23 00-0556 EA 3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	682.41	158.68
23 05 23 00-0557 EA 4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	1,082.13	266.01
23 05 23 00-0558 EA 6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	2,084.94	324.78
23 05 23 00-0559 EA 8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	3,175.25	415.00
23 05 23 00-0560 125 LB, Hand Wheel Operated, Flanged Cast Iron Diaphragm Valves (23 05 23 00-0525)		
23 05 23 00-0561 EA 1" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	279.66	76.01
23 05 23 00-0562 EA 1-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	447.33	106.41
23 05 23 00-0563 EA 2" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	599.27	135.10
23 05 23 00-0564 EA 2-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	840.95	135.34
23 05 23 00-0565 EA 3" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	932.08	158.68
23 05 23 00-0566 EA 4" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	1,467.43	266.01
23 05 23 00-0567 EA 6" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	2,870.45	324.78
23 05 23 00-0568 EA 8" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	5,880.00	415.00
23 05 23 00-0569 Solenoid Valves (23 05 23)		
23 05 23 00-0570 Bronze Body Solenoid Valves, 150 PSI Maximum Water Pressure (23 05 23 00-0569)		
23 05 23 00-0571 EA 1/4" Solenoid Valve, Bronze, 150 PSI, Water.....	106.29	10.14
23 05 23 00-0572 EA 1/2" Solenoid Valve, Bronze, 150 PSI, Water.....	123.23	10.14
23 05 23 00-0573 EA 3/4" Solenoid Valve, Bronze, 150 PSI, Water.....	157.91	11.15
23 05 23 00-0574 EA 1" Solenoid Valve, Bronze, 150 PSI, Water.....	231.66	12.67
23 05 23 00-0575 EA 1-1/2" Solenoid Valve, Bronze, 150 PSI, Water.....	407.17	15.61
23 05 23 00-0576 EA 2" Solenoid Valve, Bronze, 150 PSI, Water.....	634.92	18.44
23 05 23 00-0577 EA 2-1/2" Solenoid Valve, Bronze, 150 PSI, Water.....	864.72	24.92
23 05 23 00-0578 EA 3" Solenoid Valve, Bronze, 150 PSI, Water.....	1,251.14	28.93
23 05 23 00-0579 Flow Control Valves And Meters (23 05 23)		
23 05 23 00-0580 Conditioned Water Balancing Valves (23 05 23 00-0579)		
Note: Working pressures up to 300 PSIG. Iron and bronze body construction (combination balancing, flow measuring and shut-off). Excludes portable read-out meter.		
23 05 23 00-0581 EA 1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	138.81	51.71
23 05 23 00-0582 EA 3/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	167.24	68.95
23 05 23 00-0583 EA 1" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	314.04	78.78
23 05 23 00-0584 EA 1-1/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	412.62	97.34
23 05 23 00-0585 EA 1-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	480.76	103.43
23 05 23 00-0586 EA 2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	655.64	118.23
23 05 23 00-0587 EA 2-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	1,248.09	205.85
23 05 23 00-0588 EA 3" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	1,765.23	235.27

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0589 EA 3" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	1,395.76	158.78
23 05 23 00-0590 EA 4" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	1,731.54	266.18
23 05 23 00-0591 EA 6" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	2,025.96	336.23
23 05 23 00-0592 EA 8" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	3,421.67	429.63
23 05 23 00-0593 EA 10" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	5,747.45	523.03
23 05 23 00-0594 Read Out Meters (23 05 23 00-0579)		
Note: For use with conditioned portable water balancing valves.		
23 05 23 00-0595 EA 0.5 - 25% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,008.67	
23 05 23 00-0596 EA 0.5 - 50% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,365.03	
23 05 23 00-0597 EA 0.5 - 75% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,365.03	
23 05 23 00-0598 EA 0.5 - 100% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,365.03	
23 05 23 00-0599 Balancing Valves (23 05 23)		
23 05 23 00-0600 Balancing Valves With Lever (23 05 23 00-0599)		
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0601 EA 1/2" Threaded Balancing Valve With Lever.....	200.63	31.93
23 05 23 00-0602 EA 3/4" Threaded Balancing Valve With Lever.....	225.27	42.08
23 05 23 00-0603 EA 1" Threaded Balancing Valve With Lever.....	446.68	48.16
23 05 23 00-0604 EA 1-1/4" Threaded Balancing Valve With Lever.....	491.76	59.82
23 05 23 00-0605 EA 1-1/2" Threaded Balancing Valve With Lever.....	523.88	63.37
23 05 23 00-0606 EA 2" Threaded Balancing Valve With Lever.....	693.01	72.50
23 05 23 00-0607 EA 2-1/2" Flanged Balancing Valve With Lever.....	921.58	135.43
23 05 23 00-0608 EA 3" Flanged Balancing Valve With Lever.....	905.73	158.78
23 05 23 00-0609 EA 4" Flanged Balancing Valve With Lever.....	1,143.51	266.18
23 05 23 00-0610 EA 5" Flanged Balancing Valve With Lever.....	1,655.24	302.61
23 05 23 00-0611 EA 6" Flanged Balancing Valve With Lever.....	1,713.90	336.23
23 05 23 00-0612 EA 8" Flanged Balancing Valve With Lever.....	2,286.70	429.63
23 05 23 00-0613 Balancing Valves With Nut (23 05 23 00-0599)		
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0614 EA 4" Flanged Balancing Valve With Nut.....	1,099.88	266.18
23 05 23 00-0615 EA 5" Flanged Balancing Valve With Nut.....	1,622.79	302.61
23 05 23 00-0616 EA 6" Flanged Balancing Valve With Nut.....	1,666.91	336.23
23 05 23 00-0617 EA 8" Flanged Balancing Valve With Nut.....	2,230.77	429.63
23 05 23 00-0618 Balancing Valves With Hand Wheel (23 05 23 00-0599)		
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0619 EA 4" Flanged Balancing Valve With Hand Wheel.....	1,520.51	266.18
23 05 23 00-0620 EA 5" Flanged Balancing Valve With Hand Wheel.....	2,068.04	302.61
23 05 23 00-0621 EA 6" Flanged Balancing Valve With Hand Wheel.....	2,112.16	336.23
23 05 23 00-0622 EA 8" Flanged Balancing Valve With Hand Wheel.....	3,022.81	429.63
23 05 23 00-0623 EA 10" Flanged Balancing Valve With Hand Wheel.....	4,631.88	523.03
23 05 23 00-0624 EA 12" Flanged Balancing Valve With Hand Wheel.....	6,078.95	423.44
23 05 23 00-0625 EA 14" Flanged Balancing Valve With Hand Wheel.....	7,892.53	798.38
23 05 23 00-0626 Balancing Valves With Chain Wheel (23 05 23 00-0599)		
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0627 EA 4" Flanged Balancing Valve With Chain Wheel.....	1,757.68	266.18
23 05 23 00-0628 EA 5" Flanged Balancing Valve With Chain Wheel.....	2,304.08	302.61
23 05 23 00-0629 EA 6" Flanged Balancing Valve With Chain Wheel.....	2,348.20	336.23
23 05 23 00-0630 EA 8" Flanged Balancing Valve With Chain Wheel.....	3,306.96	429.63
23 05 23 00-0631 EA 10" Flanged Balancing Valve With Chain Wheel.....	4,910.43	523.03
23 05 23 00-0632 EA 12" Flanged Balancing Valve With Chain Wheel.....	6,597.17	423.14
23 05 23 00-0633 EA 14" Flanged Balancing Valve With Chain Wheel.....	8,341.13	798.38
23 05 23 00-0634 Calibrated Balancing Valves (23 05 23 00-0599)		
Note: Bell & Gossett CB Series.		
23 05 23 00-0635 EA 1/2" Brazed Or Soldered Calibrated Balancing Valve (CB-1/2S)	92.02	10.14
23 05 23 00-0636 EA 3/4" Brazed Or Soldered Calibrated Balancing Valve (CB-3/4S)	109.32	11.15
23 05 23 00-0637 EA 1" Brazed Or Soldered Calibrated Balancing Valve (CB-1S)	133.43	12.67
23 05 23 00-0638 EA 1-1/4" Brazed Or Soldered Calibrated Balancing Valve (CB-1-1/4S).....	178.81	13.48
23 05 23 00-0639 EA 1" Threaded Calibrated Balancing Valve (CB-1).....	141.58	12.67
23 05 23 00-0640 EA 1-1/4" Threaded Calibrated Balancing Valve (CB-1-1/4).....	192.89	13.48
23 05 23 00-0641 EA 1-1/2" Threaded Calibrated Balancing Valve (CB-1-1/2).....	224.05	15.62
23 05 23 00-0642 EA 2" Threaded Calibrated Balancing Valve (CB-2).....	299.76	18.45
23 05 23 00-0643 EA 2-1/2" Threaded Calibrated Balancing Valve (CB-2-1/2).....	550.34	27.07
23 05 23 00-0644 EA 3" Threaded Calibrated Balancing Valve (CB-3).....	767.58	31.43
23 05 23 00-0645 EA 2-1/2" Flanged Calibrated Balancing Valve (CB-2-1/2F).....	732.97	147.02
23 05 23 00-0646 EA 3" Flanged Calibrated Balancing Valve (CB-3F).....	1,049.79	172.37
23 05 23 00-0647 EA 4" Flanged Calibrated Balancing Valve (CB-4F).....	1,648.43	288.97

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Common Work Results for HVAC 23 05

General-Duty Valves For HVAC Piping 23 05 23

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0648 EA 5" Flanged Calibrated Balancing Valve (CB-5F).....	2,348.73	328.52
23 05 23 00-0649 EA 6" Flanged Calibrated Balancing Valve (CB-6F).....	3,071.29	365.02
23 05 23 00-0650 EA 8" Flanged Calibrated Balancing Valve (CB-8F).....	5,491.06	466.41
23 05 23 00-0651 EA 10" Flanged Calibrated Balancing Valve (CB-10F).....	7,604.63	558.87
23 05 23 00-0652 EA 12" Flanged Calibrated Balancing Valve (CB-12F).....	15,873.52	678.62
23 05 23 00-0653 EA 4" Grooved Calibrated Balancing Valve (CB-4G).....	1,869.13	34.91
23 05 23 00-0654 EA 5" Grooved Calibrated Balancing Valve (CB-5G).....	2,159.27	46.01
23 05 23 00-0655 EA 6" Grooved Calibrated Balancing Valve (CB-6G).....	2,868.60	59.00
23 05 23 00-0656 EA 8" Grooved Calibrated Balancing Valve (CB-8G).....	5,353.45	74.88
23 05 23 00-0657 EA 10" Grooved Calibrated Balancing Valve (CB-10G).....	7,189.23	83.90
23 05 23 00-0658 EA 12" Grooved Calibrated Balancing Valve (CB-12G).....	14,770.82	102.30
23 05 23 00-0659 Butterfly Valves (23 05 23)		
23 05 23 00-0660 Cast Iron Body, Iron Disc, 150 PSI, Wafer Type, Butterfly Valves (23 05 23 00-0659)		
Note: With on-off handle		
23 05 23 00-0661 EA 2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	289.98	135.10
For 200 PSI, Add	58.11	
For Work In Restricted Working Space, Add	50.67	
23 05 23 00-0662 EA 2-1/2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	297.81	135.34
For 200 PSI, Add	61.49	
For Work In Restricted Working Space, Add	50.91	
23 05 23 00-0663 EA 3" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	336.55	158.68
For 200 PSI, Add	66.22	
For Work In Restricted Working Space, Add	59.58	
23 05 23 00-0664 EA 4" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	506.51	266.01
For 200 PSI, Add	83.11	
For Work In Restricted Working Space, Add	100.01	
23 05 23 00-0665 EA 5" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	653.79	324.78
For 200 PSI, Add	118.25	
For Work In Restricted Working Space, Add	122.23	
23 05 23 00-0666 EA 6" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	752.34	360.86
For 200 PSI, Add	144.60	
For Work In Restricted Working Space, Add	135.32	
23 05 23 00-0667 EA 8" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	968.81	415.00
For 200 PSI, Add	217.58	
For Work In Restricted Working Space, Add	154.66	
23 05 23 00-0668 EA 10" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	1,509.94	505.21
For 200 PSI, Add	421.65	
For Work In Restricted Working Space, Add	189.45	
23 05 23 00-0669 EA 12" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	1,884.63	613.47
For 200 PSI, Add	537.20	
For Work In Restricted Working Space, Add	229.64	
23 05 23 00-0670 Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve (23 05 23 00-0659)		
23 05 23 00-0671 EA 2-1/2" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve.....	994.17	27.06
For Work In Restricted Working Space, Add	15.96	
23 05 23 00-0672 EA 3" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve.....	1,076.70	31.42
For Work In Restricted Working Space, Add	19.01	
23 05 23 00-0673 EA 4" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve.....	1,346.27	35.47
For Work In Restricted Working Space, Add	25.08	
23 05 23 00-0674 Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Lug Type, Butterfly Valves (23 05 23 00-0659)		
23 05 23 00-0675 EA 2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	501.14	135.10
For Work In Restricted Working Space, Add	50.67	
23 05 23 00-0676 EA 2-1/2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	504.75	135.34
For Work In Restricted Working Space, Add	50.91	
23 05 23 00-0677 EA 3" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	550.53	158.68
For Work In Restricted Working Space, Add	59.58	
23 05 23 00-0678 EA 4" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	730.34	266.01
For Work In Restricted Working Space, Add	100.01	
23 05 23 00-0679 EA 5" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	901.55	324.78
For Work In Restricted Working Space, Add	122.23	
23 05 23 00-0680 EA 6" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	998.61	360.86
For Work In Restricted Working Space, Add	135.32	
23 05 23 00-0681 EA 8" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,225.02	415.00
For Work In Restricted Working Space, Add	154.66	
23 05 23 00-0682 EA 10" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,547.95	505.21
For Work In Restricted Working Space, Add	189.45	
23 05 23 00-0683 EA 12" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	2,097.20	613.47
For Work In Restricted Working Space, Add	229.64	
23 05 23 00-0684 Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Lug Type, Butterfly Valves (23 05 23 00-0659)		
23 05 23 00-0685 EA 14" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	3,468.59	818.48
For 200 PSI, Add	855.82	
For Work In Restricted Working Space, Add	327.39	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0686 EA 16" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI For 200 PSI, Add For Work In Restricted Working Space, Add	4,394.27 1,149.79 360.13	960.34
23 05 23 00-0687 EA 18" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI For 200 PSI, Add For Work In Restricted Working Space, Add	6,079.08 1,708.30 400.14	1,069.47
23 05 23 00-0688 EA 20" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI For 200 PSI, Add For Work In Restricted Working Space, Add	7,776.72 2,259.43 450.16	1,200.42
23 05 23 00-0689 EA 24" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI For 200 PSI, Add For Work In Restricted Working Space, Add	10,416.45 3,085.07 554.04	1,473.25
23 05 23 00-0690 EA 30" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI For 200 PSI, Add For Work In Restricted Working Space, Add	21,359.29 6,622.35 889.16	2,328.75
23 05 23 00-0691 EA 36" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI For 200 PSI, Add For Work In Restricted Working Space, Add	27,077.46 8,414.15 1,111.45	3,175.56
23 05 23 00-0692 EA 42" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI For 200 PSI, Add For Work In Restricted Working Space, Add	32,978.52 9,820.37 1,709.92	4,657.49
23 05 23 00-0693 EA 48" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI For 200 PSI, Add For Work In Restricted Working Space, Add	40,132.37 11,780.18 2,222.90	5,821.87
23 05 23 00-0694 EA 54" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI For 200 PSI, Add For Work In Restricted Working Space, Add	48,502.92 14,126.71 2,778.62	6,986.24

23 05 29 Hangers and Supports for HVAC Piping and Equipment (23 05)**23 05 29 00-0001 Hangers And Supports (23 05 29)****23 05 29 00-0002 Clevis Hangers (23 05 29 00-0001)****23 05 29 00-0003 Steel Clevis Hanger (Cooper B-Line B3100) (23 05 29 00-0002)**

Note: Type 1.

23 05 29 00-0004 EA 1/2" Steel Clevis Hanger (Cooper B-Line B3100) For Work In Restricted Working Space, Add	19.15 5.04	8.40
23 05 29 00-0005 EA 3/4" Steel Clevis Hanger (Cooper B-Line B3100) For Work In Restricted Working Space, Add	21.02 5.60	9.34
23 05 29 00-0006 EA 1" Steel Clevis Hanger (Cooper B-Line B3100) For Work In Restricted Working Space, Add	22.08 5.90	9.34
23 05 29 00-0007 EA 1-1/4" Steel Clevis Hanger (Cooper B-Line B3100) For Work In Restricted Working Space, Add	22.99 6.06	10.09
23 05 29 00-0008 EA 1-1/2" Steel Clevis Hanger (Cooper B-Line B3100) For Work In Restricted Working Space, Add	23.29 6.06	10.09
23 05 29 00-0009 EA 2" Steel Clevis Hanger (Cooper B-Line B3100) For Work In Restricted Working Space, Add	24.45 6.22	10.27
23 05 29 00-0010 EA 2-1/2" Steel Clevis Hanger (Cooper B-Line B3100) For Work In Restricted Working Space, Add	27.36 6.41	10.64
23 05 29 00-0011 EA 3" Steel Clevis Hanger (Cooper B-Line B3100) For Work In Restricted Working Space, Add	29.52 6.59	11.20
23 05 29 00-0012 EA 3-1/2" Steel Clevis Hanger (Cooper B-Line B3100) For Work In Restricted Working Space, Add	30.68 7.03	12.30
23 05 29 00-0013 EA 4" Steel Clevis Hanger (Cooper B-Line B3100) For Work In Restricted Working Space, Add	33.99 7.47	13.07
23 05 29 00-0014 EA 5" Steel Clevis Hanger (Cooper B-Line B3100) For Work In Restricted Working Space, Add	43.87 9.38	15.63
23 05 29 00-0015 EA 6" Steel Clevis Hanger (Cooper B-Line B3100) For Work In Restricted Working Space, Add	52.88 11.20	18.67
23 05 29 00-0016 EA 8" Steel Clevis Hanger (Cooper B-Line B3100) For Work In Restricted Working Space, Add	72.44 14.00	23.34
23 05 29 00-0017 EA 10" Steel Clevis Hanger (Cooper B-Line B3100) For Work In Restricted Working Space, Add	108.15 18.67	31.74
23 05 29 00-0018 EA 12" Steel Clevis Hanger (Cooper B-Line B3100) For Work In Restricted Working Space, Add	127.86 21.00	35.00
23 05 29 00-0019 EA 14" Steel Clevis Hanger (Cooper B-Line B3100) For Work In Restricted Working Space, Add	161.75 24.08	39.20
23 05 29 00-0020 EA 16" Steel Clevis Hanger (Cooper B-Line B3100) For Work In Restricted Working Space, Add	203.95 28.00	46.67
23 05 29 00-0021 EA 18" Steel Clevis Hanger (Cooper B-Line B3100) For Work In Restricted Working Space, Add	254.07 35.00	58.34
23 05 29 00-0022 EA 20" Steel Clevis Hanger (Cooper B-Line B3100) For Work In Restricted Working Space, Add	428.70 42.00	70.01
23 05 29 00-0023 EA 24" Steel Clevis Hanger (Cooper B-Line B3100) For Work In Restricted Working Space, Add	673.29 49.01	81.67

23 05 29 00-0024 Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) (23 05 29 00-0002)

23 05 29 00-0025 EA 1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) For Work In Restricted Working Space, Add	25.37 5.04	8.40
23 05 29 00-0026 EA 3/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) For Work In Restricted Working Space, Add	27.24 5.60	9.34

**Heating, Ventilating, and Air-Conditioning (HVAC)****23****Common Work Results for HVAC 23 05****Hangers and Supports for HVAC Piping and Equipment 23 05 29****23**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0027 EA 1" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	28.45	9.34
For Work In Restricted Working Space, Add	5.90	
23 05 29 00-0028 EA 1-1/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	29.48	10.09
For Work In Restricted Working Space, Add	6.06	
23 05 29 00-0029 EA 1-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	30.28	10.09
For Work In Restricted Working Space, Add	6.06	
23 05 29 00-0030 EA 2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	31.04	10.27
For Work In Restricted Working Space, Add	6.22	
23 05 29 00-0031 EA 2-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	35.40	10.64
For Work In Restricted Working Space, Add	6.41	
23 05 29 00-0032 EA 3" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	37.30	11.20
For Work In Restricted Working Space, Add	6.59	
23 05 29 00-0033 EA 3-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	41.73	13.07
For Work In Restricted Working Space, Add	7.47	
23 05 29 00-0034 EA 4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	46.98	13.07
For Work In Restricted Working Space, Add	7.47	
23 05 29 00-0035 EA 5" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	80.50	15.63
For Work In Restricted Working Space, Add	9.38	
23 05 29 00-0036 EA 6" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	100.26	18.67
For Work In Restricted Working Space, Add	11.20	
23 05 29 00-0037 EA 8" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	118.61	23.34
For Work In Restricted Working Space, Add	14.00	
23 05 29 00-0038 Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) (23 05 29 00-0002)		
23 05 29 00-0039 EA 1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	18.92	8.40
For Work In Restricted Working Space, Add	5.04	
23 05 29 00-0040 EA 3/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	20.84	9.34
For Work In Restricted Working Space, Add	5.60	
23 05 29 00-0041 EA 1" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	22.04	9.34
For Work In Restricted Working Space, Add	5.90	
23 05 29 00-0042 EA 1-1/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	22.63	10.09
For Work In Restricted Working Space, Add	6.06	
23 05 29 00-0043 EA 1-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	22.81	10.09
For Work In Restricted Working Space, Add	6.06	
23 05 29 00-0044 EA 2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	23.48	10.27
For Work In Restricted Working Space, Add	6.22	
23 05 29 00-0045 EA 2-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	26.08	10.64
For Work In Restricted Working Space, Add	6.41	
23 05 29 00-0046 EA 3" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	27.35	11.20
For Work In Restricted Working Space, Add	6.59	
23 05 29 00-0047 EA 3-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	30.77	13.07
For Work In Restricted Working Space, Add	7.47	
23 05 29 00-0048 EA 4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	32.01	13.07
For Work In Restricted Working Space, Add	7.47	
23 05 29 00-0049 Extended Steel Clevis Hanger (Cooper B-Line B3108) (23 05 29 00-0002)		
23 05 29 00-0050 EA 3/4" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	28.62	9.34
For Work In Restricted Working Space, Add	5.60	
23 05 29 00-0051 EA 1" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	29.68	9.34
For Work In Restricted Working Space, Add	5.90	
23 05 29 00-0052 EA 1-1/4" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	30.23	10.09
For Work In Restricted Working Space, Add	6.06	
23 05 29 00-0053 EA 1-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	31.47	10.09
For Work In Restricted Working Space, Add	6.06	
23 05 29 00-0054 EA 2" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	34.09	10.27
For Work In Restricted Working Space, Add	6.22	
23 05 29 00-0055 EA 2-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	36.86	10.64
For Work In Restricted Working Space, Add	6.41	
23 05 29 00-0056 EA 3" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	38.84	11.20
For Work In Restricted Working Space, Add	6.59	
23 05 29 00-0057 EA 4" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	47.16	13.07
For Work In Restricted Working Space, Add	7.47	
23 05 29 00-0058 EA 5" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	59.55	15.63
For Work In Restricted Working Space, Add	9.38	
23 05 29 00-0059 EA 6" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	73.92	18.67
For Work In Restricted Working Space, Add	11.20	
23 05 29 00-0060 EA 8" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	106.94	23.34
For Work In Restricted Working Space, Add	14.00	
23 05 29 00-0061 EA 10" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	151.36	31.74
For Work In Restricted Working Space, Add	18.67	
23 05 29 00-0062 EA 12" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	169.97	35.00
For Work In Restricted Working Space, Add	21.00	
23 05 29 00-0063 Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) (23 05 29 00-0002)		
23 05 29 00-0064 EA 2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	35.55	10.27
For Work In Restricted Working Space, Add	6.22	
23 05 29 00-0065 EA 2-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	38.23	10.64
For Work In Restricted Working Space, Add	6.41	
23 05 29 00-0066 EA 3" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	40.39	11.20
For Work In Restricted Working Space, Add	6.59	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0067 EA 3-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) <i>For Work In Restricted Working Space, Add</i>	44.51 7.47	13.07
23 05 29 00-0068 EA 4" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) <i>For Work In Restricted Working Space, Add</i>	47.60 7.47	13.07
23 05 29 00-0069 EA 5" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) <i>For Work In Restricted Working Space, Add</i>	58.98 9.38	15.63
23 05 29 00-0070 EA 6" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) <i>For Work In Restricted Working Space, Add</i>	68.53 11.20	18.67
23 05 29 00-0071 EA 8" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) <i>For Work In Restricted Working Space, Add</i>	92.01 14.00	23.34
23 05 29 00-0072 Adjustable Hangers (23 05 29 00-0001)		
23 05 29 00-0073 Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) (23 05 29 00-0072) Note: Type 5.		
23 05 29 00-0074 EA 1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) <i>For Work In Restricted Working Space, Add</i>	17.70 4.41	7.36
23 05 29 00-0075 EA 3/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) <i>For Work In Restricted Working Space, Add</i>	19.32 4.90	8.16
23 05 29 00-0076 EA 1" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) <i>For Work In Restricted Working Space, Add</i>	21.11 5.44	9.07
23 05 29 00-0077 EA 1-1/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) <i>For Work In Restricted Working Space, Add</i>	23.23 6.04	10.07
23 05 29 00-0078 EA 1-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) <i>For Work In Restricted Working Space, Add</i>	24.43 6.35	10.57
23 05 29 00-0079 EA 2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) <i>For Work In Restricted Working Space, Add</i>	26.36 6.65	11.09
23 05 29 00-0080 EA 2-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) <i>For Work In Restricted Working Space, Add</i>	31.21 6.95	11.59
23 05 29 00-0081 EA 3" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) <i>For Work In Restricted Working Space, Add</i>	32.61 7.25	12.09
23 05 29 00-0082 EA 4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) <i>For Work In Restricted Working Space, Add</i>	39.48 8.16	13.60
23 05 29 00-0083 Adjustable Swivel Steel Ring (Cooper B-Line B3170) (23 05 29 00-0072) Note: Type 10.		
23 05 29 00-0084 EA 1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	20.04 5.60 9.04 11.65	9.34
23 05 29 00-0085 EA 3/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	21.15 5.90 9.90 12.75	9.34
23 05 29 00-0086 EA 1" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	22.24 6.22 9.90 12.75	10.27
23 05 29 00-0087 EA 1-1/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	23.64 6.59 11.09 14.28	11.20
23 05 29 00-0088 EA 1-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	26.57 7.47 11.09 14.28	13.07
23 05 29 00-0089 EA 2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	28.44 8.00 11.68 15.05	13.07
23 05 29 00-0090 EA 2-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	31.60 8.62 19.01 24.48	14.00
23 05 29 00-0091 EA 3" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	34.11 9.33 19.80 25.50	15.87
23 05 29 00-0092 EA 3-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	38.08 10.22 26.53 34.17	17.03
23 05 29 00-0093 EA 4" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	41.35 11.20 26.53 34.17	18.67
23 05 29 00-0094 EA 5" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	50.36 12.60 55.18 71.06	21.01



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0095	EA	6" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	55.15 14.00 55.97 72.08	23.34
23 05 29 00-0096	EA	8" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	66.09 16.80 66.53 85.68	28.00
23 05 29 00-0097 Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) (23 05 29 00-0072)				
23 05 29 00-0098	EA	1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	21.33 5.60 17.56 22.61	9.34
23 05 29 00-0099	EA	3/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	22.31 5.90 17.56 22.61	9.34
23 05 29 00-0100	EA	1" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	23.40 6.22 17.56 22.61	10.27
23 05 29 00-0101	EA	1-1/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	24.62 6.59 17.56 22.61	11.20
23 05 29 00-0102	EA	1-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	27.77 7.47 19.01 24.48	13.07
23 05 29 00-0103	EA	2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	29.55 8.00 19.01 24.48	13.07
23 05 29 00-0104	EA	2-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	36.29 8.62 49.96 64.35	14.00
23 05 29 00-0105	EA	3" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	40.49 9.33 61.91 79.73	15.87
23 05 29 00-0106	EA	3-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	44.18 10.22 66.79 86.02	17.03
23 05 29 00-0107	EA	4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	49.64 11.20 81.25 104.64	18.67
23 05 29 00-0108	EA	5" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	54.49 12.60 82.43 106.17	21.01
23 05 29 00-0109	EA	6" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	64.74 14.00 119.26 153.60	23.34
23 05 29 00-0110 Roller Hangers (23 05 29 00-0001)				
23 05 29 00-0111 Single Pipe Roll (Cooper B-Line B3114) (23 05 29 00-0110)				
Note: Excludes rod and nuts. Type 41.				
23 05 29 00-0112	EA	2" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	34.43 4.48	7.47
23 05 29 00-0113	EA	2-1/2" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	37.76 5.04	8.41
23 05 29 00-0114	EA	3" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	41.71 5.89	9.81
23 05 29 00-0115	EA	3-1/2" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	48.04 6.72	11.21
23 05 29 00-0116	EA	4" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	68.39 7.57	12.61
23 05 29 00-0117	EA	5" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	59.13 8.41	14.01
23 05 29 00-0118	EA	6" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	74.01 10.09	16.81

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0119	EA	8" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	101.88 11.77	19.62
23 05 29 00-0120	EA	10" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	120.72 14.01	23.35
23 05 29 00-0121 Adjustable Clevis Roller Hanger (Cooper B-Line B3110) (23 05 29 00-0110)				
Note: Type 43.				
23 05 29 00-0122	EA	2" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	50.23 7.61 164.21 211.48	13.18
23 05 29 00-0123	EA	2-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	52.05 8.15 164.21 211.48	13.58
23 05 29 00-0124	EA	3" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	56.72 8.69 183.15 235.88	14.20
23 05 29 00-0125	EA	3-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	67.36 9.13 243.80 313.99	15.21
23 05 29 00-0126	EA	4" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	70.74 10.14 243.80 313.99	17.23
23 05 29 00-0127	EA	5" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	80.24 11.13 284.66 366.61	18.55
23 05 29 00-0128	EA	6" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	94.12 12.17 353.50 455.26	20.28
23 05 29 00-0129	EA	8" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	130.86 15.21 529.06 681.36	25.35
23 05 29 00-0130	EA	10" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	163.10 20.28 630.30 811.75	34.48
23 05 29 00-0131	EA	12" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	216.44 22.82 926.57 1,193.32	38.02
23 05 29 00-0132	EA	14" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	476.24 26.16 2,567.66 3,306.84	43.60
23 05 29 00-0133	EA	16" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	600.79 30.42 3,295.97 4,244.82	50.70
23 05 29 00-0134 Roller Chair (Cooper B-Line B3120) (23 05 29 00-0110)				
23 05 29 00-0135	EA	2" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	48.59 7.61	13.18
23 05 29 00-0136	EA	2-1/2" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	52.41 8.15	13.58
23 05 29 00-0137	EA	3" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	54.78 8.69	14.20
23 05 29 00-0138	EA	3-1/2" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	63.30 9.13	15.21
23 05 29 00-0139	EA	4" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	70.57 10.14	17.23
23 05 29 00-0140	EA	5" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	77.06 11.13	18.55
23 05 29 00-0141	EA	6" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	96.20 12.17	20.28
23 05 29 00-0142	EA	8" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	125.91 15.21	25.35
23 05 29 00-0143	EA	10" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	161.95 20.28	34.48
23 05 29 00-0144	EA	12" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	213.44 22.82	38.02
23 05 29 00-0145	EA	14" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	231.30 26.16	43.60
23 05 29 00-0146	EA	16" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	280.28 30.42	50.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0147 EA 18" Steel Roller Chair (Cooper B-Line B3120).....	381.45	63.37
For Work In Restricted Working Space, Add	38.02	
23 05 29 00-0148 EA 20" Steel Roller Chair (Cooper B-Line B3120).....	473.75	76.05
For Work In Restricted Working Space, Add	45.63	
23 05 29 00-0149 Adjustable Roller Support (Cooper B-Line B3122) (23 05 29 00-0110)		
23 05 29 00-0150 EA 2" Steel Adjustable Roller Support (Cooper B-Line B3122)	56.24	13.18
For Work In Restricted Working Space, Add	7.61	
23 05 29 00-0151 EA 2-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122)	63.72	13.58
For Work In Restricted Working Space, Add	8.15	
23 05 29 00-0152 EA 3" Steel Adjustable Roller Support (Cooper B-Line B3122)	66.84	14.20
For Work In Restricted Working Space, Add	8.69	
23 05 29 00-0153 EA 3-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122)	70.68	15.21
For Work In Restricted Working Space, Add	9.13	
23 05 29 00-0154 EA 4" Steel Adjustable Roller Support (Cooper B-Line B3122)	86.03	17.23
For Work In Restricted Working Space, Add	10.14	
23 05 29 00-0155 EA 5" Steel Adjustable Roller Support (Cooper B-Line B3122)	98.00	18.55
For Work In Restricted Working Space, Add	11.13	
23 05 29 00-0156 EA 6" Steel Adjustable Roller Support (Cooper B-Line B3122)	115.11	20.28
For Work In Restricted Working Space, Add	12.17	
23 05 29 00-0157 EA 8" Steel Adjustable Roller Support (Cooper B-Line B3122)	164.84	25.35
For Work In Restricted Working Space, Add	15.21	
23 05 29 00-0158 EA 10" Steel Adjustable Roller Support (Cooper B-Line B3122)	203.93	34.48
For Work In Restricted Working Space, Add	20.28	
23 05 29 00-0159 EA 12" Steel Adjustable Roller Support (Cooper B-Line B3122)	236.68	38.02
For Work In Restricted Working Space, Add	22.82	
23 05 29 00-0160 EA 14" Steel Adjustable Roller Support (Cooper B-Line B3122)	342.57	43.60
For Work In Restricted Working Space, Add	26.16	
23 05 29 00-0161 EA 16" Steel Adjustable Roller Support (Cooper B-Line B3122)	411.87	50.70
For Work In Restricted Working Space, Add	30.42	
23 05 29 00-0162 EA 18" Steel Adjustable Roller Support (Cooper B-Line B3122)	463.33	63.37
For Work In Restricted Working Space, Add	38.02	
23 05 29 00-0163 Adjustable Double Roller Support (Cooper B-Line B3122A) (23 05 29 00-0110)		
23 05 29 00-0164 EA 2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A).....	56.68	13.18
For Work In Restricted Working Space, Add	7.61	
23 05 29 00-0165 EA 2-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	64.11	13.58
For Work In Restricted Working Space, Add	8.15	
23 05 29 00-0166 EA 3" Steel Adjustable Double Roller Support (Cooper B-Line B3122A).....	67.50	14.20
For Work In Restricted Working Space, Add	8.69	
23 05 29 00-0167 EA 3-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	70.10	15.21
For Work In Restricted Working Space, Add	9.13	
23 05 29 00-0168 EA 4" Steel Adjustable Double Roller Support (Cooper B-Line B3122A).....	90.50	17.23
For Work In Restricted Working Space, Add	10.14	
23 05 29 00-0169 EA 5" Steel Adjustable Double Roller Support (Cooper B-Line B3122A).....	103.26	18.55
For Work In Restricted Working Space, Add	11.13	
23 05 29 00-0170 EA 6" Steel Adjustable Double Roller Support (Cooper B-Line B3122A).....	121.39	20.28
For Work In Restricted Working Space, Add	12.17	
23 05 29 00-0171 EA 8" Steel Adjustable Double Roller Support (Cooper B-Line B3122A).....	174.57	25.35
For Work In Restricted Working Space, Add	15.21	
23 05 29 00-0172 EA 10" Steel Adjustable Double Roller Support (Cooper B-Line B3122A).....	215.59	34.48
For Work In Restricted Working Space, Add	20.28	
23 05 29 00-0173 EA 12" Steel Adjustable Double Roller Support (Cooper B-Line B3122A).....	250.33	38.02
For Work In Restricted Working Space, Add	22.82	
23 05 29 00-0174 EA 14" Steel Adjustable Double Roller Support (Cooper B-Line B3122A).....	364.40	43.60
For Work In Restricted Working Space, Add	26.16	
23 05 29 00-0175 Pipe And Riser Clamps (23 05 29 00-0001)		
Note: Includes bolts and weldless eye nuts.		
23 05 29 00-0176 Steel Pipe Clamp (Cooper B-Line B3140) (23 05 29 00-0175)		
Note: Type 4.		
23 05 29 00-0177 EA 1/2" Steel Pipe Clamp (Cooper B-Line B3140)	17.88	6.04
For Work In Restricted Working Space, Add	3.63	
23 05 29 00-0178 EA 3/4" Steel Pipe Clamp (Cooper B-Line B3140)	18.08	6.14
For Work In Restricted Working Space, Add	3.69	
23 05 29 00-0179 EA 1" Steel Pipe Clamp (Cooper B-Line B3140)	18.32	6.24
For Work In Restricted Working Space, Add	3.75	
23 05 29 00-0180 EA 1-1/4" Steel Pipe Clamp (Cooper B-Line B3140)	20.29	6.34
For Work In Restricted Working Space, Add	3.81	
23 05 29 00-0181 EA 1-1/2" Steel Pipe Clamp (Cooper B-Line B3140)	20.49	6.44
For Work In Restricted Working Space, Add	3.87	
23 05 29 00-0182 EA 2" Steel Pipe Clamp (Cooper B-Line B3140)	22.03	6.54
For Work In Restricted Working Space, Add	3.93	
23 05 29 00-0183 EA 2-1/2" Steel Pipe Clamp (Cooper B-Line B3140)	22.96	6.75
For Work In Restricted Working Space, Add	4.05	
23 05 29 00-0184 EA 3" Steel Pipe Clamp (Cooper B-Line B3140)	24.46	6.95
For Work In Restricted Working Space, Add	4.17	
23 05 29 00-0185 EA 3-1/2" Steel Pipe Clamp (Cooper B-Line B3140)	29.04	7.06
For Work In Restricted Working Space, Add	4.23	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0186	EA	4" Steel Pipe Clamp (Cooper B-Line B3140)	33.07	9.07
		<i>For Work In Restricted Working Space, Add</i>	5.44	
23 05 29 00-0187	EA	5" Steel Pipe Clamp (Cooper B-Line B3140)	48.03	12.09
		<i>For Work In Restricted Working Space, Add</i>	7.25	
23 05 29 00-0188	EA	6" Steel Pipe Clamp (Cooper B-Line B3140)	66.81	15.11
		<i>For Work In Restricted Working Space, Add</i>	9.07	
23 05 29 00-0189	EA	8" Steel Pipe Clamp (Cooper B-Line B3140)	78.74	17.63
		<i>For Work In Restricted Working Space, Add</i>	10.58	
23 05 29 00-0190	EA	10" Steel Pipe Clamp (Cooper B-Line B3140)	118.68	20.15
		<i>For Work In Restricted Working Space, Add</i>	12.09	
23 05 29 00-0191	EA	12" Steel Pipe Clamp (Cooper B-Line B3140)	165.58	22.16
		<i>For Work In Restricted Working Space, Add</i>	13.30	
23 05 29 00-0192	EA	14" Steel Pipe Clamp (Cooper B-Line B3140)	275.92	24.17
		<i>For Work In Restricted Working Space, Add</i>	14.51	
23 05 29 00-0193	EA	16" Steel Pipe Clamp (Cooper B-Line B3140)	299.09	26.19
		<i>For Work In Restricted Working Space, Add</i>	15.71	
23 05 29 00-0194	EA	18" Steel Pipe Clamp (Cooper B-Line B3140)	495.92	28.20
		<i>For Work In Restricted Working Space, Add</i>	16.92	
23 05 29 00-0195	EA	20" Steel Pipe Clamp (Cooper B-Line B3140)	575.16	30.22
		<i>For Work In Restricted Working Space, Add</i>	18.13	
23 05 29 00-0196	EA	24" Steel Pipe Clamp (Cooper B-Line B3140)	753.90	33.25
		<i>For Work In Restricted Working Space, Add</i>	19.94	
23 05 29 00-0197 Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) (23 05 29 00-0175)				
23 05 29 00-0198	EA	3" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	40.77	6.53
		<i>For Work In Restricted Working Space, Add</i>	3.89	
23 05 29 00-0199	EA	4" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	55.04	6.53
		<i>For Work In Restricted Working Space, Add</i>	3.89	
23 05 29 00-0200	EA	5" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	60.67	6.77
		<i>For Work In Restricted Working Space, Add</i>	4.06	
23 05 29 00-0201	EA	6" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	99.64	7.00
		<i>For Work In Restricted Working Space, Add</i>	4.23	
23 05 29 00-0202	EA	8" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	108.55	7.46
		<i>For Work In Restricted Working Space, Add</i>	4.47	
23 05 29 00-0203	EA	10" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	189.78	7.46
		<i>For Work In Restricted Working Space, Add</i>	4.46	
23 05 29 00-0204	EA	12" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	309.80	8.40
		<i>For Work In Restricted Working Space, Add</i>	5.03	
23 05 29 00-0205	EA	14" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	394.01	9.34
		<i>For Work In Restricted Working Space, Add</i>	5.60	
23 05 29 00-0206	EA	16" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	427.66	11.20
		<i>For Work In Restricted Working Space, Add</i>	6.72	
23 05 29 00-0207	EA	18" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	1,345.68	13.07
		<i>For Work In Restricted Working Space, Add</i>	7.84	
23 05 29 00-0208	EA	20" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	1,547.54	14.00
		<i>For Work In Restricted Working Space, Add</i>	8.40	
23 05 29 00-0209	EA	24" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	1,984.41	14.93
		<i>For Work In Restricted Working Space, Add</i>	8.96	
23 05 29 00-0210 Steel Riser Clamp (Cooper B-Line B3373) (23 05 29 00-0175)				
		Note: Type 8.		
23 05 29 00-0211	EA	1/2" Steel Riser Clamp (Cooper B-Line B3373)	18.45	5.60
		<i>For Work In Restricted Working Space, Add</i>	3.36	
23 05 29 00-0212	EA	3/4" Steel Riser Clamp (Cooper B-Line B3373)	19.30	5.70
		<i>For Work In Restricted Working Space, Add</i>	3.42	
23 05 29 00-0213	EA	1" Steel Riser Clamp (Cooper B-Line B3373)	19.58	5.79
		<i>For Work In Restricted Working Space, Add</i>	3.47	
23 05 29 00-0214	EA	1-1/4" Steel Riser Clamp (Cooper B-Line B3373)	21.44	5.88
		<i>For Work In Restricted Working Space, Add</i>	3.53	
23 05 29 00-0215	EA	1-1/2" Steel Riser Clamp (Cooper B-Line B3373)	22.39	5.97
		<i>For Work In Restricted Working Space, Add</i>	3.59	
23 05 29 00-0216	EA	2" Steel Riser Clamp (Cooper B-Line B3373)	22.96	6.07
		<i>For Work In Restricted Working Space, Add</i>	3.64	
23 05 29 00-0217	EA	2-1/2" Steel Riser Clamp (Cooper B-Line B3373)	23.99	6.25
		<i>For Work In Restricted Working Space, Add</i>	3.75	
23 05 29 00-0218	EA	3" Steel Riser Clamp (Cooper B-Line B3373)	25.57	6.44
		<i>For Work In Restricted Working Space, Add</i>	3.86	
23 05 29 00-0219	EA	3-1/2" Steel Riser Clamp (Cooper B-Line B3373)	28.50	6.53
		<i>For Work In Restricted Working Space, Add</i>	3.92	
23 05 29 00-0220	EA	4" Steel Riser Clamp (Cooper B-Line B3373)	34.26	8.40
		<i>For Work In Restricted Working Space, Add</i>	5.04	
23 05 29 00-0221	EA	5" Steel Riser Clamp (Cooper B-Line B3373)	44.05	11.20
		<i>For Work In Restricted Working Space, Add</i>	6.72	
23 05 29 00-0222	EA	6" Steel Riser Clamp (Cooper B-Line B3373)	56.02	14.00
		<i>For Work In Restricted Working Space, Add</i>	8.40	
23 05 29 00-0223	EA	8" Steel Riser Clamp (Cooper B-Line B3373)	78.54	16.34
		<i>For Work In Restricted Working Space, Add</i>	9.80	
23 05 29 00-0224	EA	10" Steel Riser Clamp (Cooper B-Line B3373)	105.20	18.67
		<i>For Work In Restricted Working Space, Add</i>	11.20	
23 05 29 00-0225	EA	12" Steel Riser Clamp (Cooper B-Line B3373)	128.74	20.53
		<i>For Work In Restricted Working Space, Add</i>	12.32	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23****Common Work Results for HVAC 23 05****Hangers and Supports for HVAC Piping and Equipment 23 05 29****23**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0226 EA 14" Steel Riser Clamp (Cooper B-Line B3373) For Work In Restricted Working Space, Add	176.71 13.44	22.40
23 05 29 00-0227 EA 16" Steel Riser Clamp (Cooper B-Line B3373) For Work In Restricted Working Space, Add	349.65 14.56	24.27
23 05 29 00-0228 Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) (23 05 29 00-0175)		
23 05 29 00-0229 EA 1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) For Work In Restricted Working Space, Add	35.68 3.36	5.60
23 05 29 00-0230 EA 3/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) For Work In Restricted Working Space, Add	36.22 3.42	5.70
23 05 29 00-0231 EA 1" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) For Work In Restricted Working Space, Add	37.83 3.47	5.79
23 05 29 00-0232 EA 1-1/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) For Work In Restricted Working Space, Add	40.66 3.53	5.88
23 05 29 00-0233 EA 1-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) For Work In Restricted Working Space, Add	46.42 3.59	5.97
23 05 29 00-0234 EA 2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) For Work In Restricted Working Space, Add	49.51 3.64	6.07
23 05 29 00-0235 EA 2-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) For Work In Restricted Working Space, Add	53.82 3.75	6.25
23 05 29 00-0236 EA 3" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) For Work In Restricted Working Space, Add	59.46 3.86	6.44
23 05 29 00-0237 EA 4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) For Work In Restricted Working Space, Add	80.75 5.04	8.40
23 05 29 00-0238 Two Bolt Steel Underground Clamp (Cooper B-Line B3132) (23 05 29 00-0175) Note: Type 42		
23 05 29 00-0239 EA 4" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) For Work In Restricted Working Space, Add	84.83 3.89	6.53
23 05 29 00-0240 EA 6" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) For Work In Restricted Working Space, Add	89.92 4.23	7.00
23 05 29 00-0241 EA 8" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) For Work In Restricted Working Space, Add	98.93 4.47	7.46
23 05 29 00-0242 EA 10" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) For Work In Restricted Working Space, Add	106.01 4.47	7.46
23 05 29 00-0243 EA 12" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) For Work In Restricted Working Space, Add	128.69 5.03	8.40
23 05 29 00-0244 EA 14" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) For Work In Restricted Working Space, Add	412.12 5.60	9.34
23 05 29 00-0245 EA 16" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) For Work In Restricted Working Space, Add	553.07 6.72	11.20
23 05 29 00-0246 EA 18" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) For Work In Restricted Working Space, Add	659.24 7.84	13.07
23 05 29 00-0247 EA 20" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) For Work In Restricted Working Space, Add	964.08 8.40	14.00
23 05 29 00-0248 EA 24" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) For Work In Restricted Working Space, Add	1,332.01 8.96	14.93
23 05 29 00-0249 Four Bolt Steel Underground Clamp (Cooper B-Line B3134) (23 05 29 00-0175)		
23 05 29 00-0250 EA 4" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) For Work In Restricted Working Space, Add	77.93 3.89	6.53
23 05 29 00-0251 EA 6" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) For Work In Restricted Working Space, Add	84.00 4.23	7.00
23 05 29 00-0252 EA 8" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) For Work In Restricted Working Space, Add	150.39 4.47	7.46
23 05 29 00-0253 EA 10" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) For Work In Restricted Working Space, Add	167.86 4.46	7.46
23 05 29 00-0254 EA 12" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) For Work In Restricted Working Space, Add	242.76 5.03	8.40
23 05 29 00-0255 EA 14" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) For Work In Restricted Working Space, Add	374.88 5.60	9.34
23 05 29 00-0256 EA 16" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) For Work In Restricted Working Space, Add	503.85 6.72	11.20
23 05 29 00-0257 EA 18" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) For Work In Restricted Working Space, Add	599.89 7.84	13.07
23 05 29 00-0258 EA 20" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) For Work In Restricted Working Space, Add	880.72 8.40	14.00
23 05 29 00-0259 EA 24" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) For Work In Restricted Working Space, Add	1,208.62 8.96	14.93
23 05 29 00-0260 Split Pipe Clamps And Rings (23 05 29 00-0001)		
23 05 29 00-0261 Adjustable Split Ring Swivel Hanger (Cooper B-Line B3171) (23 05 29 00-0260) Note: Type 6.		
23 05 29 00-0262 EA 3/4" Adjustable Swivel Ring (Cooper B-Line B3171) For Work In Restricted Working Space, Add	31.05 5.14	8.56
23 05 29 00-0263 EA 1" Adjustable Swivel Ring (Cooper B-Line B3171) For Work In Restricted Working Space, Add	32.89 5.44	9.07
23 05 29 00-0264 EA 1-1/4" Adjustable Swivel Ring (Cooper B-Line B3171) For Work In Restricted Working Space, Add	35.61 6.04	10.07

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0265	EA	1-1/2" Adjustable Swivel Ring (Cooper B-Line B3171).....	38.57	10.57
		<i>For Work In Restricted Working Space, Add</i>	6.35	
23 05 29 00-0266	EA	2" Adjustable Swivel Ring (Cooper B-Line B3171).....	41.92	11.09
		<i>For Work In Restricted Working Space, Add</i>	6.65	
23 05 29 00-0267	EA	2-1/2" Adjustable Swivel Ring (Cooper B-Line B3171).....	53.27	11.59
		<i>For Work In Restricted Working Space, Add</i>	6.95	
23 05 29 00-0268	EA	3" Adjustable Swivel Ring (Cooper B-Line B3171).....	58.90	12.09
		<i>For Work In Restricted Working Space, Add</i>	7.25	
23 05 29 00-0269	EA	4" Adjustable Swivel Ring (Cooper B-Line B3171).....	80.19	13.60
		<i>For Work In Restricted Working Space, Add</i>	8.16	
23 05 29 00-0270	EA	5" Adjustable Swivel Ring (Cooper B-Line B3171).....	102.08	17.13
		<i>For Work In Restricted Working Space, Add</i>	10.28	
23 05 29 00-0271	EA	6" Adjustable Swivel Ring (Cooper B-Line B3171).....	138.48	20.15
		<i>For Work In Restricted Working Space, Add</i>	12.09	
23 05 29 00-0272 Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) (23 05 29 00-0260)				
		Note: Type 11.		
23 05 29 00-0273	EA	1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	18.98	7.10
		<i>For Work In Restricted Working Space, Add</i>	4.34	
23 05 29 00-0274	EA	3/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	20.08	7.10
		<i>For Work In Restricted Working Space, Add</i>	4.54	
23 05 29 00-0275	EA	1" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	22.02	9.12
		<i>For Work In Restricted Working Space, Add</i>	5.07	
23 05 29 00-0276	EA	1-1/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	24.14	9.12
		<i>For Work In Restricted Working Space, Add</i>	5.33	
23 05 29 00-0277	EA	1-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	27.48	9.12
		<i>For Work In Restricted Working Space, Add</i>	5.53	
23 05 29 00-0278	EA	2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	32.60	10.14
		<i>For Work In Restricted Working Space, Add</i>	6.08	
23 05 29 00-0279	EA	2-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	45.73	10.14
		<i>For Work In Restricted Working Space, Add</i>	6.33	
23 05 29 00-0280	EA	3" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	51.37	11.15
		<i>For Work In Restricted Working Space, Add</i>	6.61	
23 05 29 00-0281	EA	4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	54.44	12.17
		<i>For Work In Restricted Working Space, Add</i>	7.24	
23 05 29 00-0282 Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) (23 05 29 00-0260)				
		Note: Type 12.		
23 05 29 00-0283	EA	1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	18.98	7.10
		<i>For Work In Restricted Working Space, Add</i>	4.34	
23 05 29 00-0284	EA	3/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	20.08	7.60
		<i>For Work In Restricted Working Space, Add</i>	4.54	
23 05 29 00-0285	EA	1" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	22.02	8.62
		<i>For Work In Restricted Working Space, Add</i>	5.07	
23 05 29 00-0286	EA	1-1/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	24.14	9.12
		<i>For Work In Restricted Working Space, Add</i>	5.33	
23 05 29 00-0287	EA	1-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	27.48	9.12
		<i>For Work In Restricted Working Space, Add</i>	5.53	
23 05 29 00-0288	EA	2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	32.60	10.14
		<i>For Work In Restricted Working Space, Add</i>	6.08	
23 05 29 00-0289	EA	2-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	45.73	10.64
		<i>For Work In Restricted Working Space, Add</i>	6.33	
23 05 29 00-0290	EA	3" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	51.37	11.15
		<i>For Work In Restricted Working Space, Add</i>	6.61	
23 05 29 00-0291 Pipe Straps (23 05 29 00-0001)				
23 05 29 00-0292 Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B-3180) (23 05 29 00-0291)				
23 05 29 00-0293	EA	1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	12.81	5.07
		<i>For Work In Restricted Working Space, Add</i>	3.04	
23 05 29 00-0294	EA	3/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	13.33	6.08
		<i>For Work In Restricted Working Space, Add</i>	3.20	
23 05 29 00-0295	EA	1" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	13.93	6.08
		<i>For Work In Restricted Working Space, Add</i>	3.38	
23 05 29 00-0296	EA	1-1/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	14.71	6.08
		<i>For Work In Restricted Working Space, Add</i>	3.58	
23 05 29 00-0297	EA	1-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	15.55	7.10
		<i>For Work In Restricted Working Space, Add</i>	3.80	
23 05 29 00-0298	EA	2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	18.26	7.10
		<i>For Work In Restricted Working Space, Add</i>	4.06	
23 05 29 00-0299	EA	2-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	23.04	7.10
		<i>For Work In Restricted Working Space, Add</i>	4.34	
23 05 29 00-0300	EA	3" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	30.59	7.10
		<i>For Work In Restricted Working Space, Add</i>	4.68	
23 05 29 00-0301	EA	4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	36.30	9.12
		<i>For Work In Restricted Working Space, Add</i>	5.47	
23 05 29 00-0302	EA	6" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	45.16	10.14
		<i>For Work In Restricted Working Space, Add</i>	6.08	
23 05 29 00-0303	EA	8" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	57.35	11.15
		<i>For Work In Restricted Working Space, Add</i>	6.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0304 Two Hole Copper-Clad Pipe Straps (23 05 29 00-0291)		
23 05 29 00-0305 EA 1/2" Two Hole Copper-Clad Pipe Strap.....	5.50	
For Work In Restricted Working Space, Add	1.52	
23 05 29 00-0306 EA 3/4" Two Hole Copper-Clad Pipe Strap.....	5.83	
For Work In Restricted Working Space, Add	1.60	
23 05 29 00-0307 EA 1" Two Hole Copper-Clad Pipe Strap.....	6.45	
For Work In Restricted Working Space, Add	1.67	
23 05 29 00-0308 EA 1-1/4" Two Hole Copper-Clad Pipe Strap.....	7.11	
For Work In Restricted Working Space, Add	1.75	
23 05 29 00-0309 EA 1-1/2" Two Hole Copper-Clad Pipe Strap.....	7.60	
For Work In Restricted Working Space, Add	1.82	
23 05 29 00-0310 EA 2" Two Hole Copper-Clad Pipe Strap.....	8.25	
For Work In Restricted Working Space, Add	1.98	
23 05 29 00-0311 One Hole Galvanized Steel Pipe Straps (23 05 29 00-0291)		
23 05 29 00-0312 EA 1/2" One Hole Galvanized Steel Pipe Strap (Anvil 185D).....	2.88	
For Work In Restricted Working Space, Add	0.51	
23 05 29 00-0313 EA 3/4" One Hole Galvanized Steel Pipe Strap (Anvil 185D).....	3.49	
For Work In Restricted Working Space, Add	0.54	
23 05 29 00-0314 EA 1" One Hole Galvanized Steel Pipe Strap (Anvil 185D).....	3.75	
For Work In Restricted Working Space, Add	0.59	
23 05 29 00-0315 EA 1-1/4" Galvanized Steel Strap, 1 Hole.....	4.02	
For Work In Restricted Working Space, Add	0.63	
23 05 29 00-0316 EA 1-1/2" Galvanized Steel Strap, 1 Hole.....	4.32	
For Work In Restricted Working Space, Add	0.69	
23 05 29 00-0317 EA 2" Galvanized Steel Strap, 1 Hole.....	4.82	
For Work In Restricted Working Space, Add	0.76	
23 05 29 00-0318 Pipe and Equipment Support Brackets (23 05 29 00-0001)		
23 05 29 00-0319 Pipe and Equipment Supports, Light Duty Welded Steel Bracket (Cooper B-Line B3068) (23 05 29 00-0318)		
Note: Up to 750# load.		
23 05 29 00-0320 EA 9" x 9" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068).....	141.85	11.20
For Work In Restricted Working Space, Add	6.72	
For Galvanized, Add	23.89	
23 05 29 00-0321 EA 13" x 13" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068).....	144.04	11.20
For Work In Restricted Working Space, Add	6.72	
For Galvanized, Add	24.33	
23 05 29 00-0322 EA 19" x 19" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068).....	152.68	11.20
For Work In Restricted Working Space, Add	6.72	
For Galvanized, Add	26.06	
23 05 29 00-0323 Pipe and Equipment Supports, Medium Duty Welded Steel Bracket (Cooper B-Line B3066) (23 05 29 00-0318)		
Note: Up to 1500# load.		
23 05 29 00-0324 EA 12" Wide x 18" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	352.92	11.20
For Work In Restricted Working Space, Add	6.72	
For Galvanized, Add	66.10	
23 05 29 00-0325 EA 18" Wide x 24" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	415.06	11.20
For Work In Restricted Working Space, Add	6.72	
For Galvanized, Add	78.53	
23 05 29 00-0326 EA 24" Wide x 30" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	541.76	11.20
For Work In Restricted Working Space, Add	6.72	
For Galvanized, Add	103.87	
23 05 29 00-0327 Pipe Alignment Guide (23 05 29 00-0001)		
23 05 29 00-0328 Pipe Alignment Guide, 1" Insulation (23 05 29 00-0327)		
23 05 29 00-0329 EA 1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1/2).....	559.70	17.74
23 05 29 00-0330 EA 3/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3/4).....	560.63	18.20
23 05 29 00-0331 EA 1" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1).....	561.56	18.67
23 05 29 00-0332 EA 1-1/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/4).....	562.50	19.13
23 05 29 00-0333 EA 1-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/2).....	614.49	19.60
23 05 29 00-0334 EA 2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2).....	626.18	21.47
23 05 29 00-0335 EA 2-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2-1/2).....	627.58	22.17
23 05 29 00-0336 EA 3" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3).....	628.97	22.87
23 05 29 00-0337 EA 4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-4).....	665.65	24.27
23 05 29 00-0338 EA 5" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-5).....	774.88	30.80
23 05 29 00-0339 EA 6" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-6).....	787.94	37.33
23 05 29 00-0340 EA 8" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-8).....	885.53	46.67
23 05 29 00-0341 EA 10" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-10).....	1,654.07	56.01
23 05 29 00-0342 EA 12" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-12).....	2,523.18	74.67
23 05 29 00-0343 EA 14" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-14).....	3,104.12	93.34
23 05 29 00-0344 EA 16" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-16).....	3,739.26	104.54
23 05 29 00-0345 EA 18" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-18).....	4,030.95	116.68

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0346 EA 20" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-20)	4,278.71	133.48
23 05 29 00-0347 EA 24" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-24)	5,406.60	140.01
23 05 29 00-0348 Pipe Alignment Guide, 1-1/2" Insulation (23 05 29 00-0327)		
23 05 29 00-0349 EA 1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1/2)	560.63	18.20
23 05 29 00-0350 EA 3/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3/4)	612.62	18.67
23 05 29 00-0351 EA 1" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1)	613.56	19.13
23 05 29 00-0352 EA 1-1/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/4)	614.49	19.60
23 05 29 00-0353 EA 1-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/2)	615.43	20.07
23 05 29 00-0354 EA 2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2)	627.11	21.93
23 05 29 00-0355 EA 2-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2-1/2)	628.51	22.64
23 05 29 00-0356 EA 3" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3)	663.78	23.34
23 05 29 00-0357 EA 4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-4)	666.58	24.74
23 05 29 00-0358 EA 5" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-5)	776.28	31.50
23 05 29 00-0359 EA 6" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-6)	789.81	38.27
23 05 29 00-0360 EA 8" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-8)	887.86	47.84
23 05 29 00-0361 EA 10" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-10)	1,656.87	57.40
23 05 29 00-0362 EA 12" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-12)	2,526.92	76.54
23 05 29 00-0363 EA 14" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-14)	3,108.79	95.67
23 05 29 00-0364 EA 16" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-16)	3,744.86	107.34
23 05 29 00-0365 EA 18" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-18)	4,036.55	119.48
23 05 29 00-0366 EA 20" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-20)	4,285.25	136.74
23 05 29 00-0367 EA 24" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-24)	5,413.60	143.51
23 05 29 00-0368 Pipe Alignment Guide, 2" Insulation (23 05 29 00-0327)		
23 05 29 00-0369 EA 1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1/2)	612.62	18.67
23 05 29 00-0370 EA 3/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3/4)	621.51	19.13
23 05 29 00-0371 EA 1" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1)	622.44	19.60
23 05 29 00-0372 EA 1-1/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/4)	623.38	20.07
23 05 29 00-0373 EA 1-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/2)	624.31	20.53
23 05 29 00-0374 EA 2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2)	661.91	22.40
23 05 29 00-0375 EA 2-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2-1/2)	663.78	23.34
23 05 29 00-0376 EA 3" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3)	664.95	23.92
23 05 29 00-0377 EA 4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-4)	763.67	25.20
23 05 29 00-0378 EA 5" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-5)	777.68	32.20
23 05 29 00-0379 EA 6" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-6)	870.60	39.20
23 05 29 00-0380 EA 8" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-8)	977.61	49.00
23 05 29 00-0381 EA 10" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-10)	1,659.66	58.80
23 05 29 00-0382 EA 12" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-12)	2,530.65	78.41
23 05 29 00-0383 EA 14" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-14)	3,113.45	98.01
23 05 29 00-0384 EA 16" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-16)	3,750.25	110.04
23 05 29 00-0385 EA 18" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-18)	4,042.62	122.50
23 05 29 00-0386 EA 20" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-20)	4,291.78	140.01
23 05 29 00-0387 EA 24" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-24)	5,420.60	147.01
23 05 29 00-0388 Pipe Alignment Guide, 2-1/2" Insulation (23 05 29 00-0327)		
23 05 29 00-0389 EA 1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1/2)	621.51	19.13
23 05 29 00-0390 EA 3/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3/4)	656.31	19.60
23 05 29 00-0391 EA 1" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1)	657.25	20.07
23 05 29 00-0392 EA 1-1/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/4)	658.18	20.53
23 05 29 00-0393 EA 1-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/2)	659.11	21.01
23 05 29 00-0394 EA 2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2)	662.84	22.87
23 05 29 00-0395 EA 2-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2-1/2)	664.95	23.92
23 05 29 00-0396 EA 3" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3)	762.27	24.50
23 05 29 00-0397 EA 4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-4)	764.61	25.66
23 05 29 00-0398 EA 5" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-5)	857.53	32.67
23 05 29 00-0399 EA 6" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-6)	872.46	40.14
23 05 29 00-0400 EA 8" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-8)	1,642.40	50.17
23 05 29 00-0401 EA 10" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-10)	2,494.25	60.20
23 05 29 00-0402 EA 12" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-12)	3,077.98	80.27
23 05 29 00-0403 EA 14" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-14)	3,118.67	100.34
23 05 29 00-0404 EA 16" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-16)	3,756.06	112.94
23 05 29 00-0405 EA 18" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-18)	4,048.68	125.54
23 05 29 00-0406 EA 20" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-20)	4,298.78	143.51
23 05 29 00-0407 EA 24" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-24)	5,428.06	150.74
23 05 29 00-0408 Pipe Alignment Guide, 3" Insulation (23 05 29 00-0327)		
23 05 29 00-0409 EA 1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1/2)	656.31	19.60
23 05 29 00-0410 EA 3/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3/4)	657.25	20.07
23 05 29 00-0411 EA 1" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1)	658.18	20.53
23 05 29 00-0412 EA 1-1/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/4)	659.11	21.01
23 05 29 00-0413 EA 1-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/2)	660.05	21.47
23 05 29 00-0414 EA 2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2)	759.94	23.34
23 05 29 00-0415 EA 2-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2-1/2)	762.27	24.50
23 05 29 00-0416 EA 3" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3)	763.67	25.20
23 05 29 00-0417 EA 4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-4)	844.83	26.32

**Heating, Ventilating, and Air-Conditioning (HVAC)****23****Common Work Results for HVAC 23 05****Hangers and Supports for HVAC Piping and Equipment 23 05 29****23**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0418	EA	5" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-5).....	859.39	33.60
23 05 29 00-0419	EA	6" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-6).....	961.74	41.07
23 05 29 00-0420	EA	8" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-8).....	1,644.73	51.34
23 05 29 00-0421	EA	10" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-10).....	2,497.05	61.61
23 05 29 00-0422	EA	12" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-12).....	3,081.71	82.14
23 05 29 00-0423	EA	14" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-14).....	3,123.34	102.67
23 05 29 00-0424	EA	16" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-16).....	3,761.67	115.74
23 05 29 00-0425	EA	18" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-18).....	4,054.29	128.34
23 05 29 00-0426	EA	20" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-20).....	4,305.78	147.01
23 05 29 00-0427	EA	24" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-24).....	5,435.53	154.47
23 05 29 00-0428 Pipe Alignment Guide, 3-1/2" Insulation (23 05 29 00-0327)				
23 05 29 00-0429	EA	1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1/2).....	657.25	20.07
23 05 29 00-0430	EA	3/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3/4).....	754.34	20.53
23 05 29 00-0431	EA	1" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1).....	755.27	21.01
23 05 29 00-0432	EA	1-1/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/4).....	756.21	21.47
23 05 29 00-0433	EA	1-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/2).....	757.14	21.93
23 05 29 00-0434	EA	2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2).....	761.11	23.92
23 05 29 00-0435	EA	2-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2-1/2).....	763.49	25.11
23 05 29 00-0436	EA	3" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3).....	843.85	25.84
23 05 29 00-0437	EA	4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-4).....	846.32	27.07
23 05 29 00-0438	EA	5" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-5).....	948.67	34.54
23 05 29 00-0439	EA	6" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-6).....	1,626.06	42.00
23 05 29 00-0440	EA	8" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-8).....	2,478.85	52.50
23 05 29 00-0441	EA	10" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-10).....	3,044.28	63.15
23 05 29 00-0442	EA	12" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-12).....	3,698.19	84.00
23 05 29 00-0443	EA	14" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-14).....	3,740.66	105.24
23 05 29 00-0444	EA	16" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-16).....	4,047.28	118.54
23 05 29 00-0445	EA	18" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-18).....	4,274.98	131.61
23 05 29 00-0446	EA	20" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-20).....	5,427.13	150.28
23 05 29 00-0447 Pipe Alignment Guide, 4" Insulation (23 05 29 00-0327)				
23 05 29 00-0448	EA	1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1/2).....	754.34	20.53
23 05 29 00-0449	EA	3/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3/4).....	755.27	21.01
23 05 29 00-0450	EA	1" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1).....	756.21	21.47
23 05 29 00-0451	EA	1-1/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/4).....	757.14	21.93
23 05 29 00-0452	EA	1-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/2).....	758.07	22.40
23 05 29 00-0453	EA	2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2).....	841.19	24.50
23 05 29 00-0454	EA	2-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2-1/2).....	843.53	25.66
23 05 29 00-0455	EA	3" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3).....	845.11	26.46
23 05 29 00-0456	EA	4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-4).....	935.13	27.77
23 05 29 00-0457	EA	5" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-5).....	1,612.99	35.47
23 05 29 00-0458	EA	6" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-6).....	1,627.93	42.94
23 05 29 00-0459	EA	8" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-8).....	2,481.18	53.67
23 05 29 00-0460	EA	10" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-10).....	3,047.73	64.87
23 05 29 00-0461	EA	12" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-12).....	3,702.39	86.11
23 05 29 00-0462	EA	14" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-14).....	4,012.28	107.34
23 05 29 00-0463	EA	16" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-16).....	4,254.44	121.34
23 05 29 00-0464	EA	18" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-18).....	5,397.26	135.34
23 05 29 00-0465 Sway Bracing For No Hub Pipe (23 05 29 00-0001)				
23 05 29 00-0466	EA	1-1/2" Sway Bracing.....	108.14	12.32
		For Work In Restricted Working Space, Add	7.37	
23 05 29 00-0467	EA	2" Sway Bracing.....	111.49	12.98
		For Work In Restricted Working Space, Add	7.78	
23 05 29 00-0468	EA	3" Sway Bracing.....	115.55	13.72
		For Work In Restricted Working Space, Add	8.24	
23 05 29 00-0469	EA	4" Sway Bracing.....	131.14	15.59
		For Work In Restricted Working Space, Add	9.33	
23 05 29 00-0470	EA	6" Sway Bracing.....	192.55	23.34
		For Work In Restricted Working Space, Add	14.00	
23 05 29 00-0471	EA	8" Sway Bracing.....	214.13	29.12
		For Work In Restricted Working Space, Add	17.50	
23 05 29 00-0472	EA	10" Sway Bracing.....	242.88	38.93
		For Work In Restricted Working Space, Add	23.33	
23 05 29 00-0473 Pipe Stand With Adjustable Saddle (Cooper B-Line B3088T-18 Base, B3093 Adjustable Pipe Saddle) (23 05 29 00-0001)				
		Note: Heights listed is total for base and adjustable saddle		
23 05 29 00-0474	EA	23" to 28" High Pipe Stand With Adjustable Saddle For 1-1/4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	228.89	9.34
		For Work In Restricted Working Space, Add	5.60	
23 05 29 00-0475	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 1-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	234.16	10.27
		For Work In Restricted Working Space, Add	6.16	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0476	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	452.51	11.67
		<i>For Work In Restricted Working Space, Add</i>	7.00	
23 05 29 00-0477	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	556.48	13.07
		<i>For Work In Restricted Working Space, Add</i>	7.84	
23 05 29 00-0478	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 3" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	563.94	14.47
		<i>For Work In Restricted Working Space, Add</i>	8.68	
23 05 29 00-0479	EA	25" to 29" High Pipe Stand With Adjustable Saddle For 3-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	618.99	16.34
		<i>For Work In Restricted Working Space, Add</i>	9.80	
23 05 29 00-0480	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	739.63	17.74
		<i>For Work In Restricted Working Space, Add</i>	10.64	
23 05 29 00-0481	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 5" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	748.57	19.13
		<i>For Work In Restricted Working Space, Add</i>	11.48	
23 05 29 00-0482	EA	26" to 31" High Pipe Stand With Adjustable Saddle For 6" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	760.05	21.01
		<i>For Work In Restricted Working Space, Add</i>	12.60	
23 05 29 00-0483	EA	28" to 33" High Pipe Stand With Adjustable Saddle For 8" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	791.11	22.87
		<i>For Work In Restricted Working Space, Add</i>	13.72	
23 05 29 00-0484	EA	29" to 34" High Pipe Stand With Adjustable Saddle For 10" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	846.46	25.20
		<i>For Work In Restricted Working Space, Add</i>	15.12	
23 05 29 00-0485	EA	30" to 35" High Pipe Stand With Adjustable Saddle For 12" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	872.00	28.00
		<i>For Work In Restricted Working Space, Add</i>	16.80	
23 05 29 00-0486	EA	32" to 37" High Pipe Stand With Adjustable Saddle For 14" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,062.31	30.80
		<i>For Work In Restricted Working Space, Add</i>	18.48	
23 05 29 00-0487	EA	33" to 38" High Pipe Stand With Adjustable Saddle For 16" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,157.00	34.54
		<i>For Work In Restricted Working Space, Add</i>	20.72	
23 05 29 00-0488	EA	35" to 40" High Pipe Stand With Adjustable Saddle For 18" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,634.70	38.27
		<i>For Work In Restricted Working Space, Add</i>	22.96	
23 05 29 00-0489	EA	36" to 41" High Pipe Stand With Adjustable Saddle For 20" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	2,003.53	42.00
		<i>For Work In Restricted Working Space, Add</i>	25.20	
23 05 29 00-0490	EA	39" to 44" High Pipe Stand With Adjustable Saddle For 24" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	2,395.94	45.73
		<i>For Work In Restricted Working Space, Add</i>	27.44	
23 05 29 00-0491		Channel Mounted Cushion Clamp (23 05 29 00-0001) Note: Includes fastening into channel.		
23 05 29 00-0492	EA	1/2" Channel Mounted Cushion Clamp For 3/8" Pipe (Cooper B-Line BVT050).....	12.47	4.21
23 05 29 00-0493	EA	5/8" Channel Mounted Cushion Clamp For 1/2" Pipe (Cooper B-Line BVT062).....	13.14	4.67
23 05 29 00-0494	EA	7/8" Channel Mounted Cushion Clamp For 3/4" Pipe (Cooper B-Line BVT087).....	14.83	4.90
23 05 29 00-0495	EA	1-1/8" Channel Mounted Cushion Clamp For 1" Pipe (Cooper B-Line BVT112).....	15.99	5.13
23 05 29 00-0496	EA	1-3/8" Channel Mounted Cushion Clamp For 1-1/4" Pipe (Cooper B-Line BVT137).....	17.99	5.60
23 05 29 00-0497	EA	1-5/8" Channel Mounted Cushion Clamp For 1-1/2" Pipe (Cooper B-Line BVT162).....	20.54	5.83
23 05 29 00-0498	EA	2-1/8" Channel Mounted Cushion Clamp For 2" Pipe (Cooper B-Line BVT212).....	27.29	6.07
23 05 29 00-0499	EA	2-5/8" Channel Mounted Cushion Clamp For 2-1/2" Pipe (Cooper B-Line BVT262).....	30.36	6.53
23 05 29 00-0500	EA	3-1/8" Channel Mounted Cushion Clamp For 3" Pipe (Cooper B-Line BVT312).....	37.90	7.46
23 05 29 00-0501	EA	4-1/8" Channel Mounted Cushion Clamp For 4" Pipe (Cooper B-Line BVT412).....	60.46	8.40
23 05 29 00-0502		Galvanized Steel Cushion Tube Clamp (KMC) (23 05 29 00-0001) Note: Excludes fastening bolt and drilling if necessary.		
23 05 29 00-0503	EA	1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/8" Pipe.....	3.38	
		Note: 19/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0504	EA	1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/8" Pipe.....	3.47	
		Note: 23/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0505	EA	5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1/2" Pipe.....	3.52	
		Note: 23/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0506	EA	5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1/2" Pipe.....	3.67	
		Note: 27/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0507	EA	7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/4" Pipe.....	3.50	
		Note: 27/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0508	EA	7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/4" Pipe.....	3.75	
		Note: 31/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0509	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1" Pipe.....	3.60	
		Note: 31/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0510	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1" Pipe.....	3.91	
		Note: 1-1/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0511	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1" Pipe.....	3.93	
		Note: 1-5/32" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0512	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/4" Pipe.....	3.74	
		Note: 1-3/32" Center To Center Length, 9/32" Hole Diameter For Screw		

**Heating, Ventilating, and Air-Conditioning (HVAC)****23****Common Work Results for HVAC 23 05****Hangers and Supports for HVAC Piping and Equipment 23 05 29****23**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0513	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/4" Pipe.....	3.88	
Note: 1-7/32" Center To Center Length, 13/32" Hole Diameter For Screw				
23 05 29 00-0514	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/4" Pipe.....	4.33	
Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw				
23 05 29 00-0515	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/2" Pipe.....	3.90	
Note: 1-5/16" Center To Center Length, 9/32" Hole Diameter For Screw				
23 05 29 00-0516	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/2" Pipe.....	4.18	
Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw				
23 05 29 00-0517	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/2" Pipe.....	4.66	
Note: 1-13/16" Center To Center Length, 17/32" Hole Diameter For Screw				
23 05 29 00-0518	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2" Pipe.....	4.70	
Note: 1-7/16" Center To Center Length, 9/32" Hole Diameter For Screw				
23 05 29 00-0519	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2" Pipe.....	4.96	
Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw				
23 05 29 00-0520	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2" Pipe.....	5.48	
Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw				
23 05 29 00-0521	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2-1/2" Pipe.....	5.63	
Note: 1-11/16" Center To Center Length, 9/32" Hole Diameter For Screw				
23 05 29 00-0522	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2-1/2" Pipe.....	6.41	
Note: 1-13/16" Center To Center Length, 13/32" Hole Diameter For Screw				
23 05 29 00-0523	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2-1/2" Pipe.....	6.47	
Note: 1-15/16" Center To Center Length, 17/32" Hole Diameter For Screw				
23 05 29 00-0524	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3" Pipe.....	5.79	
Note: 1-15/16" Center To Center Length, 9/32" Hole Diameter For Screw				
23 05 29 00-0525	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3" Pipe.....	6.41	
Note: 2-1/16" Center To Center Length, 13/32" Hole Diameter For Screw				
23 05 29 00-0526	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3" Pipe.....	6.78	
Note: 2-3/16" Center To Center Length, 17/32" Hole Diameter For Screw				
23 05 29 00-0527	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3-1/2" Pipe.....	5.99	
Note: 2-3/16" Center To Center Length, 9/32" Hole Diameter For Screw				
23 05 29 00-0528	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3-1/2" Pipe.....	6.36	
Note: 2-5/16" Center To Center Length, 13/32" Hole Diameter For Screw				
23 05 29 00-0529	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3-1/2" Pipe.....	7.81	
Note: 2-7/16" Center To Center Length, 17/32" Hole Diameter For Screw				
23 05 29 00-0530	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 4" Pipe.....	5.95	
Note: 2-7/16" Center To Center Length, 9/32" Hole Diameter For Screw				
23 05 29 00-0531	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 4" Pipe.....	6.49	
Note: 2-9/16" Center To Center Length, 13/32" Hole Diameter For Screw				
23 05 29 00-0532	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 4" Pipe.....	8.13	
Note: 2-11/16" Center To Center Length, 17/32" Hole Diameter For Screw				
23 05 29 00-0533		Rooftop Pipe Supports (23 05 29 00-0001)		
Note: Excludes pipe/conduit clamps and straps.				
23 05 29 00-0534		Rooftop Support Base (23 05 29 00-0533)		
23 05 29 00-0535	EA	4" x 6" x 4.8" Rooftop Support Base (Cooper B-Line Dura-Blok DBM)	32.73	7.60
23 05 29 00-0536	EA	4" x 6" x 9.6" Rooftop Support Base (Cooper B-Line Dura-Blok DBP).....	45.56	10.14
23 05 29 00-0537		Rooftop Support Base With 14 Gauge Galvanized Channel (23 05 29 00-0533)		
23 05 29 00-0538	EA	5" x 6" x 4.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB5)	37.10	7.60
23 05 29 00-0539	EA	5" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10)	52.66	10.14
23 05 29 00-0540	EA	5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20)	96.67	12.67
23 05 29 00-0541	EA	5" x 6" x 30.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB30)	133.39	15.20
23 05 29 00-0542	EA	5" x 6" x 41.4" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB40)	184.40	17.74
23 05 29 00-0543	EA	5" x 6" x 52" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB48)	194.62	20.27
23 05 29 00-0544		Rooftop Support Base With 12 Gauge Galvanized Channel (23 05 29 00-0533)		
23 05 29 00-0545	EA	6-7/16" x 6" x 9.6" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB610)	64.24	10.14
23 05 29 00-0546	EA	6-7/16" x 6" x 20.2" Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB620)	101.84	12.67
23 05 29 00-0547	EA	6-7/16" x 6" x 30.8" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB630)	135.46	15.20
23 05 29 00-0548	EA	6-7/16" x 6" x 41.4" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB640)	184.52	17.74
23 05 29 00-0549	EA	6-7/16" x 6" x 52" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB648)	207.15	15.20
23 05 29 00-0550		Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (23 05 29 00-0533)		
23 05 29 00-0551	EA	5-5/8" x 6" x 28" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-28)	107.44	15.20
23 05 29 00-0552	EA	5-5/8" x 6" x 36" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-36)	122.40	17.74
23 05 29 00-0553	EA	5-5/8" x 6" x 42" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-42)	127.43	20.27
23 05 29 00-0554	EA	5-5/8" x 6" x 50" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-50)	139.54	22.80
23 05 29 00-0555	EA	5-5/8" x 6" x 60" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-60)	178.23	25.34
23 05 29 00-0556		Rooftop Pipe Support Base And Rod (23 05 29 00-0533)		
23 05 29 00-0557	EA	9.69" To 11.19" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1/2CT).....	77.97	10.14
23 05 29 00-0558	EA	9.84" To 11.34" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-3/4CT).....	77.97	10.14

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0559	EA	9.95" To 11.45" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1CT).....	78.40	10.14
23 05 29 00-0560	EA	10.13" To 11.63" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/4CT).....	83.91	12.67
23 05 29 00-0561	EA	10.28" To 11.78" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/2CT).....	80.74	12.67
23 05 29 00-0562	EA	10.53" To 12.03" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-2CT).....	84.81	12.67
23 05 29 00-0563		Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (23 05 29 00-0533)		
23 05 29 00-0564	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR2-3 1/2).....	98.73	10.14
23 05 29 00-0565	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR4-6).....	110.12	10.14
23 05 29 00-0566	EA	8.34" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR8-10).....	144.30	12.67
23 05 29 00-0567	EA	9.38" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR12-14).....	190.84	12.67
23 05 29 00-0568	EA	9.78" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR16-20).....	259.97	12.67
23 05 29 00-0569		Rooftop Support Base And Adjustable Height Roller Assembly (23 05 29 00-0533)		
Note: Includes base, two zinc all threaded rod risers and pipe roller.				
23 05 29 00-0570	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Roller Assembly (Cooper B-Line Dura-Blok DBR10-12).....	123.22	15.20
23 05 29 00-0571		Rooftop Support Base And Adjustable Height Channel Assembly (23 05 29 00-0533)		
Note: Includes base, two zinc all threaded rod and 14 gauge slotted channel.				
23 05 29 00-0572	EA	Up To 8" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-8).....	80.95	12.67
23 05 29 00-0573	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-12).....	110.20	15.20
23 05 29 00-0574	EA	Up To 16" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-16).....	122.93	17.74
23 05 29 00-0575		Rooftop Support Bases With Channel Support And Risers Assembly (23 05 29 00-0533)		
Note: Includes two support bases, two 12 gauge galvanized channel risers and one 12 gauge galvanized channel support. Dimensions are "overall" (height x width x length).				
23 05 29 00-0576	EA	23" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2318DS).....	295.41	20.27
23 05 29 00-0577	EA	29" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2918DS).....	298.69	20.27
23 05 29 00-0578	EA	41" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4118DS).....	310.18	20.27
23 05 29 00-0579	EA	53" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5318DS).....	336.56	20.27
23 05 29 00-0580	EA	23" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2324DS).....	289.57	20.27
23 05 29 00-0581	EA	29" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2924DS).....	300.56	20.27
23 05 29 00-0582	EA	41" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4124DS).....	312.05	20.27
23 05 29 00-0583	EA	53" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5324DS).....	338.42	20.27
23 05 29 00-0584	EA	23" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2336DS).....	302.63	20.27
23 05 29 00-0585	EA	29" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2936DS).....	306.47	20.27
23 05 29 00-0586	EA	41" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4136DS).....	317.74	20.27
23 05 29 00-0587	EA	53" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5336DS).....	344.23	20.27
23 05 29 00-0588	EA	23" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2348DS).....	315.99	20.27
23 05 29 00-0589	EA	29" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2948DS).....	319.49	20.27
23 05 29 00-0590	EA	41" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4148DS).....	330.76	20.27
23 05 29 00-0591	EA	53" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5348DS).....	357.24	20.27
23 05 29 00-0592		Threaded Rod, Accessories And Attachments (23 05 29)		
23 05 29 00-0593		Threaded Rod And Rod Accessories (23 05 29 00-0592)		
23 05 29 00-0594		Threaded Rod (23 05 29 00-0593)		
Note: Fully threaded.				
23 05 29 00-0595	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	3.29	0.63
For Work In Restricted Working Space, Add			0.38	
For Galvanized, Add			0.81	
For Zinc Plated, Add			0.58	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23****Common Work Results for HVAC 23 05****Hangers and Supports for HVAC Piping and Equipment 23 05 29****23**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0596	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.57	0.68
		For Work In Restricted Working Space, Add	0.41	
		For Galvanized, Add	1.29	
		For Zinc Plated, Add	0.92	
23 05 29 00-0597	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	6.39	0.70
		For Work In Restricted Working Space, Add	0.42	
		For Galvanized, Add	2.00	
		For Zinc Plated, Add	1.42	
23 05 29 00-0598	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.50	0.72
		For Work In Restricted Working Space, Add	0.43	
		For Galvanized, Add	3.62	
		For Zinc Plated, Add	2.58	
23 05 29 00-0599	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	11.45	0.75
		For Work In Restricted Working Space, Add	0.45	
		For Galvanized, Add	3.98	
		For Zinc Plated, Add	2.84	
23 05 29 00-0600	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	15.67	0.84
		For Work In Restricted Working Space, Add	0.51	
		For Galvanized, Add	5.59	
		For Zinc Plated, Add	3.98	
23 05 29 00-0601	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	19.52	0.94
		For Work In Restricted Working Space, Add	0.56	
		For Galvanized, Add	7.06	
		For Zinc Plated, Add	5.03	
23 05 29 00-0602		Rod Couplings (23 05 29 00-0593)		
23 05 29 00-0603	EA	3/8" Diameter, Threaded Rod Coupling Nut	7.81	
		For Work In Restricted Working Space, Add	1.87	
23 05 29 00-0604	EA	1/2" Diameter, Threaded Rod Coupling Nut	8.90	
		For Work In Restricted Working Space, Add	2.07	
23 05 29 00-0605	EA	5/8" Diameter, Threaded Rod Coupling Nut	11.30	
		For Work In Restricted Working Space, Add	2.33	
23 05 29 00-0606	EA	3/4" Diameter, Threaded Rod Coupling Nut	13.99	
		For Work In Restricted Working Space, Add	2.55	
23 05 29 00-0607	EA	7/8" Diameter, Threaded Rod Coupling Nut	21.17	
		For Work In Restricted Working Space, Add	2.80	
23 05 29 00-0608	EA	1" Diameter, Threaded Rod Coupling Nut	25.13	
		For Work In Restricted Working Space, Add	3.29	
23 05 29 00-0609	EA	1-1/8" Diameter, Threaded Rod Coupling Nut	49.89	
		For Work In Restricted Working Space, Add	3.73	
23 05 29 00-0610		Flat Washers (23 05 29 00-0593)		
		Note: Zinc plated.		
23 05 29 00-0611	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.56	0.20
		For Work In Restricted Working Space, Add	0.13	
		For Galvanized, Add	0.04	
23 05 29 00-0612	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.77	0.20
		For Work In Restricted Working Space, Add	0.14	
		For Galvanized, Add	0.08	
23 05 29 00-0613	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.14	0.30
		For Work In Restricted Working Space, Add	0.17	
		For Galvanized, Add	0.15	
23 05 29 00-0614	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.56	0.30
		For Work In Restricted Working Space, Add	0.22	
		For Galvanized, Add	0.21	
23 05 29 00-0615	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.84	0.40
		For Work In Restricted Working Space, Add	0.26	
		For Galvanized, Add	0.25	
23 05 29 00-0616	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.15	0.40
		For Work In Restricted Working Space, Add	0.28	
		For Galvanized, Add	0.30	
23 05 29 00-0617	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.43	0.50
		For Work In Restricted Working Space, Add	0.32	
		For Galvanized, Add	0.34	
23 05 29 00-0618		Hex Nuts (23 05 29 00-0593)		
		Note: Grade 2 and zinc plated.		
23 05 29 00-0619	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.68	0.25
		For Work In Restricted Working Space, Add	0.17	
		For Galvanized, Add	0.03	
23 05 29 00-0620	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.90	0.25
		For Work In Restricted Working Space, Add	0.19	
		For Galvanized, Add	0.07	
23 05 29 00-0621	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.25	0.25
		For Work In Restricted Working Space, Add	0.20	
		For Galvanized, Add	0.15	
23 05 29 00-0622	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.49	0.50
		For Work In Restricted Working Space, Add	0.21	
		For Galvanized, Add	0.20	
23 05 29 00-0623	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.22	0.50
		For Work In Restricted Working Space, Add	0.23	
		For Galvanized, Add	0.37	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0624 EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized, Add</i>	2.84 0.26 0.50	0.50
23 05 29 00-0625 EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized, Add</i>	4.70 0.28 0.94	0.50
23 05 29 00-0626 Turnbuckle (Cooper B-Line B3202) (23 05 29 00-0593) Note: Type 13.		
23 05 29 00-0627 EA 3/8" Turnbuckle (Cooper B-Line B3202) <i>For Work In Restricted Working Space, Add</i>	29.58 3.04	5.07
23 05 29 00-0628 EA 1/2" Turnbuckle (Cooper B-Line B3202) <i>For Work In Restricted Working Space, Add</i>	35.43 3.38	5.57
23 05 29 00-0629 EA 5/8" Turnbuckle (Cooper B-Line B3202) <i>For Work In Restricted Working Space, Add</i>	37.95 3.80	6.08
23 05 29 00-0630 EA 3/4" Turnbuckle (Cooper B-Line B3202) <i>For Work In Restricted Working Space, Add</i>	48.33 4.34	7.10
23 05 29 00-0631 EA 7/8" Turnbuckle (Cooper B-Line B3202) <i>For Work In Restricted Working Space, Add</i>	63.30 5.07	7.60
23 05 29 00-0632 EA 1" Turnbuckle (Cooper B-Line B3202) <i>For Work In Restricted Working Space, Add</i>	78.85 6.08	8.11
23 05 29 00-0633 EA 1-1/8" Turnbuckle (Cooper B-Line B3202) <i>For Work In Restricted Working Space, Add</i>	110.49 7.61	9.13
23 05 29 00-0634 Swivel Turnbuckle (Cooper B-Line B3224) (23 05 29 00-0593) Note: Type 15.		
23 05 29 00-0635 EA 3/8" Swivel Turnbuckle (Cooper B-Line B3224) <i>For Work In Restricted Working Space, Add</i>	17.30 3.04	5.07
23 05 29 00-0636 EA 1/2" Swivel Turnbuckle (Cooper B-Line B3224) <i>For Work In Restricted Working Space, Add</i>	20.19 3.38	5.67
23 05 29 00-0637 EA 5/8" Swivel Turnbuckle (Cooper B-Line B3224) <i>For Work In Restricted Working Space, Add</i>	27.65 3.80	6.28
23 05 29 00-0638 EA 3/4" Swivel Turnbuckle (Cooper B-Line B3224) <i>For Work In Restricted Working Space, Add</i>	33.75 4.34	7.20
23 05 29 00-0639 Forged Steel Clevis (Cooper B-Line B3201) (23 05 29 00-0593) Note: Type 14.		
23 05 29 00-0640 EA 3-9/16" Forged Steel Clevis With Pin, 3/8" To 5/8" Rod Size (Cooper B-Line B3201) <i>For Work In Restricted Working Space, Add</i>	104.49 5.60	9.34
23 05 29 00-0641 EA 4" Forged Steel Clevis With Pin, 3/4" To 7/8" Rod Size (Cooper B-Line B3201) <i>For Work In Restricted Working Space, Add</i>	157.21 5.90	9.80
23 05 29 00-0642 EA 5-1/16" Forged Steel Clevis With Pin, 1" Rod Size (Cooper B-Line B3201) <i>For Work In Restricted Working Space, Add</i>	170.24 6.22	10.27
23 05 29 00-0643 EA 5-1/16" Forged Steel Clevis With Pin, 1-1/8" Rod Size (Cooper B-Line B3201) <i>For Work In Restricted Working Space, Add</i>	177.13 6.59	11.20
23 05 29 00-0644 EA 5-1/16" Forged Steel Clevis With Pin, 1-1/4" Rod Size (Cooper B-Line B3201) <i>For Work In Restricted Working Space, Add</i>	185.74 7.47	12.61
23 05 29 00-0645 EA 6" Forged Steel Clevis With Pin, 1-1/2" Rod Size (Cooper B-Line B3201) <i>For Work In Restricted Working Space, Add</i>	312.95 9.80	16.34
23 05 29 00-0646 EA 5-15/16" Forged Steel Clevis With Pin, 1-3/4" Rod Size (Cooper B-Line B3201) <i>For Work In Restricted Working Space, Add</i>	338.93 11.20	18.67
23 05 29 00-0647 EA 7" Forged Steel Clevis With Pin, 2" Rod Size (Cooper B-Line B3201) <i>For Work In Restricted Working Space, Add</i>	398.53 14.00	23.34
23 05 29 00-0648 Welded Eye Rod (Cooper B-Line B3211) (23 05 29 00-0593)		
23 05 29 00-0649 EA 3/8" Diameter x 8" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	29.07 3.29	5.47
23 05 29 00-0650 EA 3/8" Diameter x 10" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	30.05 3.36	5.57
23 05 29 00-0651 EA 3/8" Diameter x 12" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	31.04 3.42	5.67
23 05 29 00-0652 EA 3/8" Diameter x 14" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	31.25 3.48	5.78
23 05 29 00-0653 EA 3/8" Diameter x 18" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	33.23 3.61	5.98
23 05 29 00-0654 EA 3/8" Diameter x 24" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	35.46 3.80	6.39
23 05 29 00-0655 EA 3/8" Diameter x 30" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	36.86 3.99	6.69
23 05 29 00-0656 EA 3/8" Diameter x 36" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	39.87 4.18	6.99
23 05 29 00-0657 EA 3/8" Diameter x 42" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	42.06 4.37	7.30
23 05 29 00-0658 EA 3/8" Diameter x 48" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	44.27 4.56	7.60
23 05 29 00-0659 EA 1/2" Diameter x 8" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	39.65 3.65	6.08
23 05 29 00-0660 EA 1/2" Diameter x 10" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	40.64 3.71	6.18



Heating, Ventilating, and Air-Conditioning (HVAC)

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Common Work Results for HVAC 23 05

Hangers and Supports for HVAC Piping and Equipment 23 05 29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0661	EA	1/2" Diameter x 12" Length Shank, Welded Eye Rod	41.67	6.28
		For Work In Restricted Working Space, Add	3.78	
23 05 29 00-0662	EA	1/2" Diameter x 14" Length Shank, Welded Eye Rod	42.68	6.39
		For Work In Restricted Working Space, Add	3.85	
23 05 29 00-0663	EA	1/2" Diameter x 18" Length Shank, Welded Eye Rod	44.69	6.59
		For Work In Restricted Working Space, Add	3.98	
23 05 29 00-0664	EA	1/2" Diameter x 24" Length Shank, Welded Eye Rod	48.51	7.00
		For Work In Restricted Working Space, Add	4.19	
23 05 29 00-0665	EA	1/2" Diameter x 30" Length Shank, Welded Eye Rod	51.55	7.30
		For Work In Restricted Working Space, Add	4.39	
23 05 29 00-0666	EA	1/2" Diameter x 36" Length Shank, Welded Eye Rod	55.36	7.60
		For Work In Restricted Working Space, Add	4.69	
23 05 29 00-0667	EA	1/2" Diameter x 42" Length Shank, Welded Eye Rod	58.37	8.01
		For Work In Restricted Working Space, Add	4.79	
23 05 29 00-0668	EA	1/2" Diameter x 48" Length Shank, Welded Eye Rod	61.42	8.32
		For Work In Restricted Working Space, Add	5.00	
23 05 29 00-0669	EA	5/8" Diameter x 8" Length Shank, Welded Eye Rod	54.44	6.80
		For Work In Restricted Working Space, Add	4.08	
23 05 29 00-0670	EA	5/8" Diameter x 10" Length Shank, Welded Eye Rod	56.23	6.90
		For Work In Restricted Working Space, Add	4.15	
23 05 29 00-0671	EA	5/8" Diameter x 12" Length Shank, Welded Eye Rod	58.06	7.00
		For Work In Restricted Working Space, Add	4.22	
23 05 29 00-0672	EA	5/8" Diameter x 14" Length Shank, Welded Eye Rod	59.08	7.20
		For Work In Restricted Working Space, Add	4.29	
23 05 29 00-0673	EA	5/8" Diameter x 18" Length Shank, Welded Eye Rod	61.89	7.40
		For Work In Restricted Working Space, Add	4.43	
23 05 29 00-0674	EA	5/8" Diameter x 24" Length Shank, Welded Eye Rod	66.52	7.70
		For Work In Restricted Working Space, Add	4.64	
23 05 29 00-0675	EA	5/8" Diameter x 30" Length Shank, Welded Eye Rod	71.14	8.11
		For Work In Restricted Working Space, Add	4.85	
23 05 29 00-0676	EA	5/8" Diameter x 36" Length Shank, Welded Eye Rod	74.97	8.42
		For Work In Restricted Working Space, Add	5.06	
23 05 29 00-0677	EA	5/8" Diameter x 42" Length Shank, Welded Eye Rod	79.61	8.82
		For Work In Restricted Working Space, Add	5.27	
23 05 29 00-0678	EA	5/8" Diameter x 48" Length Shank, Welded Eye Rod	84.22	9.13
		For Work In Restricted Working Space, Add	5.48	
23 05 29 00-0679	EA	3/4" Diameter x 8" Length Shank, Welded Eye Rod	67.28	7.70
		For Work In Restricted Working Space, Add	4.64	
23 05 29 00-0680	EA	3/4" Diameter x 10" Length Shank, Welded Eye Rod	69.89	7.80
		For Work In Restricted Working Space, Add	4.71	
23 05 29 00-0681	EA	3/4" Diameter x 12" Length Shank, Welded Eye Rod	71.69	8.01
		For Work In Restricted Working Space, Add	4.78	
23 05 29 00-0682	EA	3/4" Diameter x 14" Length Shank, Welded Eye Rod	74.28	8.11
		For Work In Restricted Working Space, Add	4.85	
23 05 29 00-0683	EA	3/4" Diameter x 18" Length Shank, Welded Eye Rod	78.69	8.32
		For Work In Restricted Working Space, Add	5.00	
23 05 29 00-0684	EA	3/4" Diameter x 24" Length Shank, Welded Eye Rod	84.89	8.72
		For Work In Restricted Working Space, Add	5.21	
23 05 29 00-0685	EA	3/4" Diameter x 30" Length Shank, Welded Eye Rod	91.11	9.02
		For Work In Restricted Working Space, Add	5.43	
23 05 29 00-0686	EA	3/4" Diameter x 36" Length Shank, Welded Eye Rod	98.12	9.43
		For Work In Restricted Working Space, Add	5.65	
23 05 29 00-0687	EA	3/4" Diameter x 42" Length Shank, Welded Eye Rod	105.10	9.73
		For Work In Restricted Working Space, Add	5.86	
23 05 29 00-0688	EA	3/4" Diameter x 48" Length Shank, Welded Eye Rod	111.32	10.14
		For Work In Restricted Working Space, Add	6.08	
23 05 29 00-0689	EA	7/8" Diameter x 8" Length Shank, Welded Eye Rod	80.74	8.92
		For Work In Restricted Working Space, Add	5.38	
23 05 29 00-0690	EA	7/8" Diameter x 10" Length Shank, Welded Eye Rod	84.13	9.13
		For Work In Restricted Working Space, Add	5.45	
23 05 29 00-0691	EA	7/8" Diameter x 12" Length Shank, Welded Eye Rod	86.74	9.23
		For Work In Restricted Working Space, Add	5.53	
23 05 29 00-0692	EA	7/8" Diameter x 14" Length Shank, Welded Eye Rod	89.33	9.33
		For Work In Restricted Working Space, Add	5.60	
23 05 29 00-0693	EA	7/8" Diameter x 18" Length Shank, Welded Eye Rod	94.57	9.63
		For Work In Restricted Working Space, Add	5.75	
23 05 29 00-0694	EA	7/8" Diameter x 24" Length Shank, Welded Eye Rod	103.15	9.93
		For Work In Restricted Working Space, Add	5.98	
23 05 29 00-0695	EA	7/8" Diameter x 30" Length Shank, Welded Eye Rod	110.96	10.35
		For Work In Restricted Working Space, Add	6.20	
23 05 29 00-0696	EA	7/8" Diameter x 36" Length Shank, Welded Eye Rod	119.57	10.75
		For Work In Restricted Working Space, Add	6.43	
23 05 29 00-0697	EA	7/8" Diameter x 42" Length Shank, Welded Eye Rod	127.38	11.05
		For Work In Restricted Working Space, Add	6.65	
23 05 29 00-0698	EA	7/8" Diameter x 48" Length Shank, Welded Eye Rod	135.21	11.45
		For Work In Restricted Working Space, Add	6.88	
23 05 29 00-0699	EA	1" Diameter x 8" Length Shank, Welded Eye Rod	101.49	10.75
		For Work In Restricted Working Space, Add	6.42	
23 05 29 00-0700	EA	1" Diameter x 10" Length Shank, Welded Eye Rod	104.91	10.85
		For Work In Restricted Working Space, Add	6.51	
23 05 29 00-0701	EA	1" Diameter x 12" Length Shank, Welded Eye Rod	108.34	10.95
		For Work In Restricted Working Space, Add	6.59	
23 05 29 00-0702	EA	1" Diameter x 14" Length Shank, Welded Eye Rod	111.75	11.15
		For Work In Restricted Working Space, Add	6.67	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0703	EA	1" Diameter x 18" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	118.57 6.84	11.45
23 05 29 00-0704	EA	1" Diameter x 24" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	128.86 7.10	11.86
23 05 29 00-0705	EA	1" Diameter x 30" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	139.14 7.35	12.27
23 05 29 00-0706	EA	1" Diameter x 36" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	150.15 7.61	12.67
23 05 29 00-0707	EA	1" Diameter x 42" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	160.42 7.86	13.08
23 05 29 00-0708	EA	1" Diameter x 48" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	170.71 8.11	13.48
23 05 29 00-0709 Welded Linked Eye Rod (Cooper B-Line B3211X) (23 05 29 00-0593)				
23 05 29 00-0710	EA	3/8" Diameter x 16" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	63.50 4.46	7.40
23 05 29 00-0711	EA	3/8" Diameter x 20" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	65.21 4.58	7.60
23 05 29 00-0712	EA	3/8" Diameter x 24" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	66.92 4.71	7.90
23 05 29 00-0713	EA	3/8" Diameter x 30" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	67.56 4.91	8.20
23 05 29 00-0714	EA	3/8" Diameter x 36" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	70.78 5.09	8.52
23 05 29 00-0715	EA	3/8" Diameter x 48" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	74.71 5.47	9.12
23 05 29 00-0716	EA	3/8" Diameter x 60" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	77.26 5.85	9.73
23 05 29 00-0717	EA	3/8" Diameter x 72" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	82.47 6.23	10.44
23 05 29 00-0718	EA	1/2" Diameter x 16" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	83.01 4.93	8.21
23 05 29 00-0719	EA	1/2" Diameter x 20" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	84.75 5.06	8.42
23 05 29 00-0720	EA	1/2" Diameter x 24" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	86.55 5.20	8.62
23 05 29 00-0721	EA	1/2" Diameter x 30" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	88.53 5.40	9.02
23 05 29 00-0722	EA	1/2" Diameter x 36" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	91.79 5.60	9.33
23 05 29 00-0723	EA	1/2" Diameter x 48" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	98.39 6.01	10.03
23 05 29 00-0724	EA	1/2" Diameter x 60" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	103.68 6.41	10.65
23 05 29 00-0725	EA	1/2" Diameter x 72" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	110.26 6.82	11.35
23 05 29 00-0726	EA	5/8" Diameter x 16" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	112.35 5.50	9.13
23 05 29 00-0727	EA	5/8" Diameter x 20" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	115.40 5.64	9.43
23 05 29 00-0728	EA	5/8" Diameter x 24" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	118.52 5.78	9.63
23 05 29 00-0729	EA	5/8" Diameter x 30" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	120.53 5.99	10.03
23 05 29 00-0730	EA	5/8" Diameter x 36" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	125.15 6.20	10.35
23 05 29 00-0731	EA	5/8" Diameter x 48" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	133.09 6.62	11.05
23 05 29 00-0732	EA	5/8" Diameter x 60" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	141.02 7.04	11.76
23 05 29 00-0733	EA	5/8" Diameter x 72" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	147.66 7.46	12.47
23 05 29 00-0734	EA	3/4" Diameter x 16" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	142.87 6.23	10.35
23 05 29 00-0735	EA	3/4" Diameter x 20" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	147.34 6.38	10.65
23 05 29 00-0736	EA	3/4" Diameter x 24" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	150.40 6.52	10.85
23 05 29 00-0737	EA	3/4" Diameter x 30" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	155.04 6.74	11.25
23 05 29 00-0738	EA	3/4" Diameter x 36" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	162.31 6.95	11.56
23 05 29 00-0739	EA	3/4" Diameter x 48" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	172.87 7.38	12.27
23 05 29 00-0740	EA	3/4" Diameter x 60" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	183.48 7.82	12.98
23 05 29 00-0741	EA	3/4" Diameter x 72" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	195.41 8.25	13.79
23 05 29 00-0742	EA	7/8" Diameter x 16" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	171.94 7.20	11.97
23 05 29 00-0743	EA	7/8" Diameter x 20" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	177.68 7.35	12.27

**Heating, Ventilating, and Air-Conditioning (HVAC)****23****Common Work Results for HVAC 23 05****Hangers and Supports for HVAC Piping and Equipment 23 05 29****23**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0744 EA 7/8" Diameter x 24" Length Shank, Linked Welded Eye Rod..... For Work In Restricted Working Space, Add	182.12 7.51	12.47
23 05 29 00-0745 EA 7/8" Diameter x 30" Length Shank, Linked Welded Eye Rod..... For Work In Restricted Working Space, Add	186.78 7.73	12.88
23 05 29 00-0746 EA 7/8" Diameter x 36" Length Shank, Linked Welded Eye Rod..... For Work In Restricted Working Space, Add	195.42 7.96	13.28
23 05 29 00-0747 EA 7/8" Diameter x 48" Length Shank, Linked Welded Eye Rod..... For Work In Restricted Working Space, Add	209.98 8.40	14.00
23 05 29 00-0748 EA 7/8" Diameter x 60" Length Shank, Linked Welded Eye Rod..... For Work In Restricted Working Space, Add	223.24 8.85	14.80
23 05 29 00-0749 EA 7/8" Diameter x 72" Length Shank, Linked Welded Eye Rod..... For Work In Restricted Working Space, Add	237.83 9.31	15.51
23 05 29 00-0750 EA 1" Diameter x 16" Length Shank, Linked Welded Eye Rod..... For Work In Restricted Working Space, Add	219.70 8.59	14.30
23 05 29 00-0751 EA 1" Diameter x 20" Length Shank, Linked Welded Eye Rod..... For Work In Restricted Working Space, Add	225.50 8.75	14.60
23 05 29 00-0752 EA 1" Diameter x 24" Length Shank, Linked Welded Eye Rod..... For Work In Restricted Working Space, Add	231.30 8.92	14.90
23 05 29 00-0753 EA 1" Diameter x 30" Length Shank, Linked Welded Eye Rod..... For Work In Restricted Working Space, Add	237.39 9.18	15.31
23 05 29 00-0754 EA 1" Diameter x 36" Length Shank, Linked Welded Eye Rod..... For Work In Restricted Working Space, Add	248.65 9.43	15.72
23 05 29 00-0755 EA 1" Diameter x 48" Length Shank, Linked Welded Eye Rod..... For Work In Restricted Working Space, Add	266.07 9.94	16.53
23 05 29 00-0756 EA 1" Diameter x 60" Length Shank, Linked Welded Eye Rod..... For Work In Restricted Working Space, Add	283.50 10.45	17.44
23 05 29 00-0757 EA 1" Diameter x 72" Length Shank, Linked Welded Eye Rod..... For Work In Restricted Working Space, Add	302.11 10.95	18.25
23 05 29 00-0758 Attachments (23 05 29 00-0592)		
23 05 29 00-0759 Welded Beam Attachments (B-Line B-3083) (23 05 29 00-0758) Note: Type 22.		
23 05 29 00-0760 EA 3/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... For Work In Restricted Working Space, Add	41.79 5.68	9.47
23 05 29 00-0761 EA 1/2" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... For Work In Restricted Working Space, Add	44.59 5.98	9.94
23 05 29 00-0762 EA 5/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... For Work In Restricted Working Space, Add	47.48 6.31	10.50
23 05 29 00-0763 EA 3/4" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... For Work In Restricted Working Space, Add	60.57 6.68	11.17
23 05 29 00-0764 EA 7/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... For Work In Restricted Working Space, Add	72.67 7.10	11.83
23 05 29 00-0765 EA 1" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... For Work In Restricted Working Space, Add	101.86 8.12	13.54
23 05 29 00-0766 EA 1-1/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... For Work In Restricted Working Space, Add	144.22 8.52	14.20
23 05 29 00-0767 C-Clamp Style Beam Clamps (B-Line B-3034) (23 05 29 00-0758) Note: Type 23. Top or bottom flange mount.		
23 05 29 00-0768 EA 3/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... For Work In Restricted Working Space, Add	15.47 3.80	5.17
23 05 29 00-0769 EA 1/2" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... For Work In Restricted Working Space, Add	18.36 4.06	6.59
23 05 29 00-0770 EA 5/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... For Work In Restricted Working Space, Add	20.78 4.34	7.10
23 05 29 00-0771 EA 3/4" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... For Work In Restricted Working Space, Add	26.52 4.68	7.60
23 05 29 00-0772 EA 7/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... For Work In Restricted Working Space, Add	38.12 5.07	8.11
23 05 29 00-0773 Bottom Mount I-Beam Clamps (B-Line B-3055) (23 05 29 00-0758) Note: Type 21. For attaching threaded rod centered under beam flanges.		
23 05 29 00-0774 EA 3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... For Work In Restricted Working Space, Add	41.44 5.07	7.10
23 05 29 00-0775 EA 1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... For Work In Restricted Working Space, Add	60.51 5.53	9.13
23 05 29 00-0776 EA 5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... For Work In Restricted Working Space, Add	86.07 6.08	10.14
23 05 29 00-0777 EA 3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... For Work In Restricted Working Space, Add	102.91 6.76	11.15
23 05 29 00-0778 EA 1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... For Work In Restricted Working Space, Add	247.26 7.61	12.17
23 05 29 00-0779 Steel U-Bolts (B-Line B-3188) (23 05 29 00-0758) Note: Type 24. Includes plate and nuts.		
23 05 29 00-0780 EA 1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)..... For Work In Restricted Working Space, Add	12.60 3.04	2.53
23 05 29 00-0781 EA 3/4" Pipe Size, Steel U-Bolt (B-Line B-3188)..... For Work In Restricted Working Space, Add	13.64 3.20	3.04

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0782 EA 1" Pipe Size, Steel U-Bolt (B-Line B-3188)	14.67	3.04
For Work In Restricted Working Space, Add	3.38	
23 05 29 00-0783 EA 1-1/4" Pipe Size, Steel U-Bolt (B-Line B-3188)	16.62	3.04
For Work In Restricted Working Space, Add	3.58	
23 05 29 00-0784 EA 1-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)	17.19	3.55
For Work In Restricted Working Space, Add	3.80	
23 05 29 00-0785 EA 2" Pipe Size, Steel U-Bolt (B-Line B-3188)	18.40	3.55
For Work In Restricted Working Space, Add	4.06	
23 05 29 00-0786 EA 2-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)	26.16	3.55
For Work In Restricted Working Space, Add	4.34	
23 05 29 00-0787 EA 3" Pipe Size, Steel U-Bolt (B-Line B-3188)	28.83	4.05
For Work In Restricted Working Space, Add	4.68	
23 05 29 00-0788 EA 4" Pipe Size, Steel U-Bolt (B-Line B-3188)	34.70	4.56
For Work In Restricted Working Space, Add	5.07	
23 05 29 00-0789 Copper Standoff Brackets With Flange (23 05 29 00-0758)		
Note: Installed in wood, concrete, concrete block or steel.		
23 05 29 00-0790 EA Clamp Size 1/2", Copper Standoff Brackets With Flange.....	31.20	14.50
For Work In Restricted Working Space, Add	8.69	
23 05 29 00-0791 EA Clamp Size 3/4", Copper Standoff Brackets With Flange.....	31.33	14.50
For Work In Restricted Working Space, Add	8.69	
23 05 29 00-0792 EA Clamp Size 1", Copper Standoff Brackets With Flange.....	31.47	14.50
For Work In Restricted Working Space, Add	8.69	
23 05 29 00-0793 EA Clamp Size 1 1/4", Copper Standoff Brackets With Flange.....	33.49	15.41
For Work In Restricted Working Space, Add	9.22	
23 05 29 00-0794 EA Clamp Size 1 1/2", Copper Standoff Brackets With Flange.....	33.76	15.41
For Work In Restricted Working Space, Add	9.22	
23 05 29 00-0795 Malleable Iron Eye Sockets (B-Line B-3222) (23 05 29 00-0758)		
Note: Type 16.		
23 05 29 00-0796 EA 3/8" Rod Size, Malleable Iron Eye Socket.....	9.27	1.52
For Work In Restricted Working Space, Add	0.92	
23 05 29 00-0797 EA 1/2" Rod Size, Malleable Iron Eye Socket.....	11.82	2.03
For Work In Restricted Working Space, Add	1.22	
23 05 29 00-0798 EA 5/8" Rod Size, Malleable Iron Eye Socket.....	20.03	2.03
For Work In Restricted Working Space, Add	1.23	
23 05 29 00-0799 EA 3/4" Rod Size, Malleable Iron Eye Socket.....	28.08	2.03
For Work In Restricted Working Space, Add	1.22	
23 05 29 00-0800 EA 7/8" Rod Size, Malleable Iron Eye Socket.....	30.39	2.53
For Work In Restricted Working Space, Add	1.52	
23 05 29 00-0801 Steel Weldless Eye Nuts (B-Line B-3200) (23 05 29 00-0758)		
Note: Type 17.		
23 05 29 00-0802 EA 3/8" Rod Size, Steel Weldless Eye Nut.....	29.52	1.52
For Work In Restricted Working Space, Add	0.92	
23 05 29 00-0803 EA 1/2" Rod Size, Steel Weldless Eye Nut.....	30.49	2.03
For Work In Restricted Working Space, Add	1.22	
23 05 29 00-0804 EA 5/8" Rod Size, Steel Weldless Eye Nut.....	30.53	2.03
For Work In Restricted Working Space, Add	1.23	
23 05 29 00-0805 EA 3/4" Rod Size, Steel Weldless Eye Nut.....	30.49	2.03
For Work In Restricted Working Space, Add	1.22	
23 05 29 00-0806 EA 7/8" Rod Size, Steel Weldless Eye Nut.....	59.12	2.23
For Work In Restricted Working Space, Add	1.37	
23 05 29 00-0807 EA 1" Rod Size, Steel Weldless Eye Nut.....	59.63	2.53
For Work In Restricted Working Space, Add	1.52	
23 05 29 00-0808 Top Mount I-Beam Clamps (B-Line B-3042) (23 05 29 00-0758)		
Note: For attaching threaded rod to either side of an I-beam.		
23 05 29 00-0809 EA 3/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	20.70	4.73
For Work In Restricted Working Space, Add	2.84	
23 05 29 00-0810 EA 1/2" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	24.81	5.21
For Work In Restricted Working Space, Add	3.13	
23 05 29 00-0811 EA 5/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	29.95	5.68
For Work In Restricted Working Space, Add	3.44	
23 05 29 00-0812 EA 3/4" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	40.82	6.16
For Work In Restricted Working Space, Add	3.62	
23 05 29 00-0813 EA 7/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	62.25	7.10
For Work In Restricted Working Space, Add	4.26	
23 05 29 00-0814 EA 3/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp.....	21.74	4.73
For Work In Restricted Working Space, Add	2.84	
23 05 29 00-0815 EA 1/2" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp.....	26.28	5.21
For Work In Restricted Working Space, Add	3.13	
23 05 29 00-0816 EA 5/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp.....	29.95	5.68
For Work In Restricted Working Space, Add	3.44	
23 05 29 00-0817 EA 3/4" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp.....	44.69	6.16
For Work In Restricted Working Space, Add	3.62	
23 05 29 00-0818 EA 7/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp.....	68.87	7.10
For Work In Restricted Working Space, Add	4.26	
23 05 29 00-0819 EA 3/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp.....	24.16	4.73
For Work In Restricted Working Space, Add	2.84	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23****Common Work Results for HVAC 23 05****Hangers and Supports for HVAC Piping and Equipment 23 05 29****23**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0820 EA 1/2" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp..... For Work In Restricted Working Space, Add	29.00 3.13	5.21
23 05 29 00-0821 EA 5/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp..... For Work In Restricted Working Space, Add	36.34 3.44	5.68
23 05 29 00-0822 EA 3/4" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp..... For Work In Restricted Working Space, Add	51.94 3.62	6.16
23 05 29 00-0823 EA 7/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp..... For Work In Restricted Working Space, Add	83.03 4.26	7.10
23 05 29 00-0824 Side Beam Brackets (B-Line B-3062) (23 05 29 00-0758) Note: Type 34.		
23 05 29 00-0825 EA 3/8" Rod Size, Side Beam Bracket..... For Work In Restricted Working Space, Add	17.19 3.80	6.59
23 05 29 00-0826 EA 1/2" Rod Size, Side Beam Bracket..... For Work In Restricted Working Space, Add	20.23 4.06	6.59
23 05 29 00-0827 EA 5/8" Rod Size, Side Beam Bracket..... For Work In Restricted Working Space, Add	25.92 4.34	7.10
23 05 29 00-0828 EA 3/4" Rod Size, Side Beam Bracket..... For Work In Restricted Working Space, Add	45.19 4.68	7.60
23 05 29 00-0829 EA 7/8" Rod Size, Side Beam Bracket..... For Work In Restricted Working Space, Add	52.79 5.07	8.62
23 05 29 00-0830 Hex Lag Bolts (23 05 29 00-0758) Note: Also known as coach screws.		
23 05 29 00-0831 EA 3/8" x 3-1/2" Long, Hex Lag Bolt..... For Work In Restricted Working Space, Add	2.79 0.63	
23 05 29 00-0832 EA 3/8" x 4" Long, Hex Lag Bolt..... For Work In Restricted Working Space, Add	2.93 0.66	
23 05 29 00-0833 EA 3/8" x 6" Long, Hex Lag Bolt..... For Work In Restricted Working Space, Add	3.33 0.68	
23 05 29 00-0834 EA 3/8" x 8" Long, Hex Lag Bolt..... For Work In Restricted Working Space, Add	4.09 0.71	
23 05 29 00-0835 EA 3/8" x 10" Long, Hex Lag Bolt..... For Work In Restricted Working Space, Add	4.37 0.73	
23 05 29 00-0836 EA 3/8" x 12" Long, Hex Lag Bolt..... For Work In Restricted Working Space, Add	5.28 0.76	
23 05 29 00-0837 EA 1/2" x 3-1/2" Long, Hex Lag Bolt..... For Work In Restricted Working Space, Add	3.85 0.76	
23 05 29 00-0838 EA 1/2" x 4" Long, Hex Lag Bolt..... For Work In Restricted Working Space, Add	4.07 0.79	
23 05 29 00-0839 EA 1/2" x 6" Long, Hex Lag Bolt..... For Work In Restricted Working Space, Add	4.79 0.83	
23 05 29 00-0840 EA 1/2" x 8" Long, Hex Lag Bolt..... For Work In Restricted Working Space, Add	5.62 0.86	
23 05 29 00-0841 EA 1/2" x 10" Long, Hex Lag Bolt..... For Work In Restricted Working Space, Add	6.70 0.90	
23 05 29 00-0842 EA 1/2" x 12" Long, Hex Lag Bolt..... For Work In Restricted Working Space, Add	7.20 0.95	
23 05 29 00-0843 EA 5/8" x 4" Long, Hex Lag Bolt..... For Work In Restricted Working Space, Add	5.37 0.84	
23 05 29 00-0844 EA 3/4" x 5" Long, Hex Lag Bolt..... For Work In Restricted Working Space, Add	6.33 0.86	
23 05 29 00-0845 Hanger Strap (23 05 29 00-0592)		
23 05 29 00-0846 LF 3/4" Wide x 0.025" Thick Galvanized Hanger Strap.....	4.85	
23 05 29 00-0847 Shields And Saddles (23 05 29)		
23 05 29 00-0848 Insulation Protection Shield (23 05 29 00-0847) Note: Type 40.		
23 05 29 00-0849 Insulation Protection Shield (Cooper B-Line B3151) (23 05 29 00-0848)		
23 05 29 00-0850 EA 1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)..... For Work In Restricted Working Space, Add	16.18 2.43	2.43
23 05 29 00-0851 EA 2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)..... For Work In Restricted Working Space, Add	16.43 2.46	2.46
23 05 29 00-0852 EA 2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)..... For Work In Restricted Working Space, Add	16.88 2.50	2.49
23 05 29 00-0853 EA 3" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)..... For Work In Restricted Working Space, Add	17.75 2.53	2.52
23 05 29 00-0854 EA 4" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)..... For Work In Restricted Working Space, Add	19.85 2.59	2.58
23 05 29 00-0855 EA 6" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)..... For Work In Restricted Working Space, Add	24.76 2.65	2.64
23 05 29 00-0856 EA 8" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151)..... For Work In Restricted Working Space, Add	29.18 2.71	2.70
23 05 29 00-0857 EA 10" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151)..... For Work In Restricted Working Space, Add	36.25 2.77	2.77
23 05 29 00-0858 EA 12" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)..... For Work In Restricted Working Space, Add	47.33 2.80	2.80

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0859	EA	14" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	51.78	2.83
		<i>For Work In Restricted Working Space, Add</i>	2.83	
23 05 29 00-0860	EA	16" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	72.36	2.86
		<i>For Work In Restricted Working Space, Add</i>	2.86	
23 05 29 00-0861	EA	18" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	81.63	2.89
		<i>For Work In Restricted Working Space, Add</i>	2.89	
23 05 29 00-0862	EA	20" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	153.99	2.92
		<i>For Work In Restricted Working Space, Add</i>	2.92	
23 05 29 00-0863	EA	24" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	167.59	2.98
		<i>For Work In Restricted Working Space, Add</i>	2.98	
23 05 29 00-0864	EA	30" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	203.15	3.05
		<i>For Work In Restricted Working Space, Add</i>	3.04	
23 05 29 00-0865		Insulation Protection Shield (Cooper B-Line B3154) (23 05 29 00-0848)		
23 05 29 00-0866	EA	1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	13.97	2.43
		<i>For Work In Restricted Working Space, Add</i>	2.43	
23 05 29 00-0867	EA	2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	14.17	2.46
		<i>For Work In Restricted Working Space, Add</i>	2.46	
23 05 29 00-0868	EA	2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	14.52	2.49
		<i>For Work In Restricted Working Space, Add</i>	2.50	
23 05 29 00-0869	EA	3" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	15.19	2.52
		<i>For Work In Restricted Working Space, Add</i>	2.53	
23 05 29 00-0870	EA	4" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	16.77	2.58
		<i>For Work In Restricted Working Space, Add</i>	2.59	
23 05 29 00-0871	EA	6" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	20.38	2.64
		<i>For Work In Restricted Working Space, Add</i>	2.65	
23 05 29 00-0872	EA	8" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	22.04	2.70
		<i>For Work In Restricted Working Space, Add</i>	2.71	
23 05 29 00-0873	EA	10" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	28.82	2.77
		<i>For Work In Restricted Working Space, Add</i>	2.77	
23 05 29 00-0874	EA	12" Outside Diameter, 14 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	35.13	2.80
		<i>For Work In Restricted Working Space, Add</i>	2.80	
23 05 29 00-0875		Pipe Covering Protection Saddle (23 05 29 00-0847)		
		Note: Sizes are pipe sizes.		
23 05 29 00-0876		Saddle, For 1" Insulation (Cooper B-Line B3160) (23 05 29 00-0875)		
23 05 29 00-0877	EA	3/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	25.28	3.35
		<i>For Work In Restricted Working Space, Add</i>	3.35	
23 05 29 00-0878	EA	1" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	25.37	3.38
		<i>For Work In Restricted Working Space, Add</i>	3.38	
23 05 29 00-0879	EA	1-1/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	25.47	3.41
		<i>For Work In Restricted Working Space, Add</i>	3.41	
23 05 29 00-0880	EA	1-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	26.85	3.47
		<i>For Work In Restricted Working Space, Add</i>	3.47	
23 05 29 00-0881	EA	2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	26.94	3.50
		<i>For Work In Restricted Working Space, Add</i>	3.49	
23 05 29 00-0882	EA	2-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	27.90	3.55
		<i>For Work In Restricted Working Space, Add</i>	3.55	
23 05 29 00-0883	EA	3" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	31.42	3.61
		<i>For Work In Restricted Working Space, Add</i>	3.61	
23 05 29 00-0884	EA	4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	35.72	3.66
		<i>For Work In Restricted Working Space, Add</i>	3.66	
23 05 29 00-0885	EA	6" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	40.56	3.77
		<i>For Work In Restricted Working Space, Add</i>	3.78	
23 05 29 00-0886	EA	8" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	50.16	3.92
		<i>For Work In Restricted Working Space, Add</i>	3.92	
23 05 29 00-0887	EA	10" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	56.54	3.98
		<i>For Work In Restricted Working Space, Add</i>	3.98	
23 05 29 00-0888	EA	12" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	67.77	3.98
		<i>For Work In Restricted Working Space, Add</i>	4.06	
23 05 29 00-0889	EA	14" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	74.36	4.12
		<i>For Work In Restricted Working Space, Add</i>	4.12	
23 05 29 00-0890		Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) (23 05 29 00-0875)		
23 05 29 00-0891	EA	3/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	29.03	3.35
		<i>For Work In Restricted Working Space, Add</i>	3.35	
23 05 29 00-0892	EA	1" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	29.12	3.38
		<i>For Work In Restricted Working Space, Add</i>	3.38	
23 05 29 00-0893	EA	1-1/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	29.22	3.41
		<i>For Work In Restricted Working Space, Add</i>	3.41	
23 05 29 00-0894	EA	1-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	30.36	3.47
		<i>For Work In Restricted Working Space, Add</i>	3.47	
23 05 29 00-0895	EA	2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	33.05	3.50
		<i>For Work In Restricted Working Space, Add</i>	3.49	
23 05 29 00-0896	EA	2-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	35.85	3.55
		<i>For Work In Restricted Working Space, Add</i>	3.55	
23 05 29 00-0897	EA	3" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	36.46	3.61
		<i>For Work In Restricted Working Space, Add</i>	3.61	
23 05 29 00-0898	EA	4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	41.92	3.61
		<i>For Work In Restricted Working Space, Add</i>	3.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0899 EA 6" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161).....	47.58	3.77
For Work In Restricted Working Space, Add	3.78	
23 05 29 00-0900 EA 8" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161).....	57.04	3.92
For Work In Restricted Working Space, Add	3.92	
23 05 29 00-0901 EA 10" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161).....	64.68	3.98
For Work In Restricted Working Space, Add	3.98	
23 05 29 00-0902 EA 12" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161).....	77.81	4.06
For Work In Restricted Working Space, Add	4.06	
23 05 29 00-0903 EA 14" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161).....	85.63	4.12
For Work In Restricted Working Space, Add	4.12	
23 05 29 00-0904 Saddle, For 2" Insulation (Cooper B-Line B3162) (23 05 29 00-0875)		
23 05 29 00-0905 EA 3/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	31.15	3.52
For Work In Restricted Working Space, Add	3.52	
23 05 29 00-0906 EA 1" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	31.24	3.55
For Work In Restricted Working Space, Add	3.55	
23 05 29 00-0907 EA 1-1/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	33.10	3.58
For Work In Restricted Working Space, Add	3.58	
23 05 29 00-0908 EA 1-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	34.17	3.63
For Work In Restricted Working Space, Add	3.64	
23 05 29 00-0909 EA 2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	35.14	3.66
For Work In Restricted Working Space, Add	3.66	
23 05 29 00-0910 EA 2-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	35.34	3.73
For Work In Restricted Working Space, Add	3.72	
23 05 29 00-0911 EA 3" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	37.53	3.78
For Work In Restricted Working Space, Add	3.78	
23 05 29 00-0912 EA 4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	39.74	3.85
For Work In Restricted Working Space, Add	3.83	
23 05 29 00-0913 EA 6" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	51.84	3.97
For Work In Restricted Working Space, Add	3.98	
23 05 29 00-0914 EA 8" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	59.27	4.12
For Work In Restricted Working Space, Add	4.12	
23 05 29 00-0915 EA 10" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	62.42	4.17
For Work In Restricted Working Space, Add	4.18	
23 05 29 00-0916 EA 12" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	85.99	4.26
For Work In Restricted Working Space, Add	4.26	
23 05 29 00-0917 EA 14" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	95.74	4.33
For Work In Restricted Working Space, Add	4.32	
23 05 29 00-0918 EA 16" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	105.69	4.43
For Work In Restricted Working Space, Add	4.43	
23 05 29 00-0919 EA 18" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	115.63	4.54
For Work In Restricted Working Space, Add	4.55	
23 05 29 00-0920 EA 20" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	127.23	4.65
For Work In Restricted Working Space, Add	4.66	
23 05 29 00-0921 EA 24" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	146.43	4.77
For Work In Restricted Working Space, Add	4.77	
23 05 29 00-0922 Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) (23 05 29 00-0875)		
23 05 29 00-0923 EA 1-1/4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	35.26	3.66
For Work In Restricted Working Space, Add	3.66	
23 05 29 00-0924 EA 1-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	37.43	3.72
For Work In Restricted Working Space, Add	3.72	
23 05 29 00-0925 EA 2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	38.51	3.75
For Work In Restricted Working Space, Add	3.75	
23 05 29 00-0926 EA 2-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	39.67	3.81
For Work In Restricted Working Space, Add	3.80	
23 05 29 00-0927 EA 3" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	39.96	3.88
For Work In Restricted Working Space, Add	3.89	
23 05 29 00-0928 EA 4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	47.22	3.94
For Work In Restricted Working Space, Add	3.95	
23 05 29 00-0929 EA 6" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	54.68	4.06
For Work In Restricted Working Space, Add	4.06	
23 05 29 00-0930 EA 8" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	64.39	4.21
For Work In Restricted Working Space, Add	4.20	
23 05 29 00-0931 EA 10" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	69.31	4.28
For Work In Restricted Working Space, Add	4.29	
23 05 29 00-0932 EA 12" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	88.20	4.37
For Work In Restricted Working Space, Add	4.37	
23 05 29 00-0933 EA 14" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	105.77	4.43
For Work In Restricted Working Space, Add	4.43	
23 05 29 00-0934 EA 16" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	123.52	4.53
For Work In Restricted Working Space, Add	4.55	
23 05 29 00-0935 EA 18" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	131.45	4.64
For Work In Restricted Working Space, Add	4.66	
23 05 29 00-0936 EA 20" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	140.28	4.77
For Work In Restricted Working Space, Add	4.77	
23 05 29 00-0937 EA 24" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	149.12	4.89
For Work In Restricted Working Space, Add	4.88	
23 05 29 00-0938 Saddle, For 3" Insulation (Cooper B-Line B3164) (23 05 29 00-0875)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0939 EA 2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	39.89 3.83	3.85
23 05 29 00-0940 EA 2-1/2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	43.90 3.92	3.91
23 05 29 00-0941 EA 3" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	45.97 3.98	3.97
23 05 29 00-0942 EA 4" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	48.01 4.03	4.03
23 05 29 00-0943 EA 6" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	55.85 4.15	4.15
23 05 29 00-0944 EA 8" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	71.35 4.32	4.31
23 05 29 00-0945 EA 10" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	77.76 4.37	4.38
23 05 29 00-0946 EA 12" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	103.04 4.46	4.47
23 05 29 00-0947 EA 14" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	124.20 4.55	4.53
23 05 29 00-0948 EA 16" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	145.35 4.63	4.64
23 05 29 00-0949 EA 18" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	148.06 4.77	4.77
23 05 29 00-0950 EA 20" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	150.69 4.88	4.88
23 05 29 00-0951 EA 24" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	193.08 5.00	5.00
23 05 29 00-0952 Saddle, For 4" Insulation (Cooper B-Line B3165) (23 05 29 00-0875)		
23 05 29 00-0953 EA 2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	45.59 3.92	3.93
23 05 29 00-0954 EA 2-1/2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	50.35 4.01	4.00
23 05 29 00-0955 EA 3" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	52.78 4.06	4.06
23 05 29 00-0956 EA 4" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	55.33 4.12	4.12
23 05 29 00-0957 EA 6" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	68.69 4.26	4.25
23 05 29 00-0958 EA 8" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	82.06 4.40	4.41
23 05 29 00-0959 EA 10" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	84.91 4.49	4.48
23 05 29 00-0960 EA 12" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	110.35 4.57	4.57
23 05 29 00-0961 EA 14" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	135.39 4.63	4.63
23 05 29 00-0962 EA 16" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	160.61 4.74	4.76
23 05 29 00-0963 EA 18" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	197.90 4.86	4.87
23 05 29 00-0964 EA 20" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	234.96 5.00	4.99
23 05 29 00-0965 EA 24" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	251.72 5.11	5.11
23 05 29 00-0966 EA 30" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	265.11 5.25	5.25
23 05 29 00-0967 EA 36" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	275.00 5.37	5.38
23 05 29 00-0968 Adjustable Pipe Saddle Support (Cooper B-Line B3096) (23 05 29 00-0847)		
23 05 29 00-0969 EA 2" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	104.63	12.67
23 05 29 00-0970 EA 3" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	110.10	14.70
23 05 29 00-0971 EA 4" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	134.33	16.73
23 05 29 00-0972 EA 5" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	139.60	18.25
23 05 29 00-0973 EA 6" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	154.88	20.28
23 05 29 00-0974 EA 8" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	174.39	25.35
23 05 29 00-0975 EA 10" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	227.57	33.97
23 05 29 00-0976 EA 12" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	274.62	50.70
23 05 29 00-0977 Pipe Stanchion Support (Cooper B-Line B3090) (23 05 29 00-0847)		
23 05 29 00-0978 EA 2-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	131.72	12.67
23 05 29 00-0979 EA 3" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	135.34	14.70
23 05 29 00-0980 EA 3-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	144.87	15.72
23 05 29 00-0981 EA 4" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	147.24	16.73
23 05 29 00-0982 EA 5" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	154.44	18.25
23 05 29 00-0983 EA 6" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	163.05	20.28
23 05 29 00-0984 EA 8" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	207.35	25.35
23 05 29 00-0985 EA 10" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	280.02	33.97
23 05 29 00-0986 EA 12" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	361.46	50.70

**Heating, Ventilating, and Air-Conditioning (HVAC)****23****Common Work Results for HVAC 23 05****Hangers and Supports for HVAC Piping and Equipment 23 05 29****23**

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0987 Pipe Saddle Support (Cooper B-Line B3095) (23 05 29 00-0847)			
23 05 29 00-0988	EA 2-1/2" Pipe Saddle Support (Cooper B-Line B3095).....	63.05	12.67
23 05 29 00-0989	EA 3" Pipe Saddle Support (Cooper B-Line B3095).....	66.67	14.70
23 05 29 00-0990	EA 3-1/2" Pipe Saddle Support (Cooper B-Line B3095).....	105.05	15.72
23 05 29 00-0991	EA 4" Pipe Saddle Support (Cooper B-Line B3095).....	107.42	16.73
23 05 29 00-0992	EA 5" Pipe Saddle Support (Cooper B-Line B3095).....	118.34	18.25
23 05 29 00-0993	EA 6" Pipe Saddle Support (Cooper B-Line B3095).....	131.15	20.28
23 05 29 00-0994	EA 8" Pipe Saddle Support (Cooper B-Line B3095).....	148.89	25.35
23 05 29 00-0995	EA 10" Pipe Saddle Support (Cooper B-Line B3095).....	170.56	33.97
23 05 29 00-0996	EA 12" Pipe Saddle Support (Cooper B-Line B3095).....	209.53	50.70
23 05 29 00-0997 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0847)			
Note: Insert is for use as isolated protective insulation at hangers.			
23 05 29 00-0998 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0997)			
23 05 29 00-0999	EA 1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	13.39	5.84
23 05 29 00-1000	EA 3/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	13.66	5.84
23 05 29 00-1001	EA 1" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	13.73	5.84
23 05 29 00-1002	EA 1-1/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.00	5.84
23 05 29 00-1003	EA 1-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.97	6.19
23 05 29 00-1004	EA 2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	15.65	6.38
23 05 29 00-1005	EA 2-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	16.45	6.65
23 05 29 00-1006	EA 3" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	17.32	6.92
23 05 29 00-1007	EA 4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.89	7.18
23 05 29 00-1008	EA 6" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.39	6.19
23 05 29 00-1009	EA 8" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	31.72	8.08
23 05 29 00-1010	EA 10" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	37.51	9.52
23 05 29 00-1011	EA 12" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	42.73	11.05
23 05 29 00-1012	EA 14" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	48.31	11.41
23 05 29 00-1013 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0997)			
23 05 29 00-1014	EA 1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	11.63	4.40
23 05 29 00-1015	EA 3/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	12.97	4.40
23 05 29 00-1016	EA 1" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	13.26	4.49
23 05 29 00-1017	EA 1-1/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	13.73	4.58
23 05 29 00-1018	EA 1-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.17	4.58
23 05 29 00-1019	EA 2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.93	4.76
23 05 29 00-1020	EA 2-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	15.81	4.94
23 05 29 00-1021	EA 3" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	16.26	5.03
23 05 29 00-1022	EA 4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	17.93	5.48
23 05 29 00-1023	EA 6" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	26.39	9.43
23 05 29 00-1024	EA 8" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.25	7.09
23 05 29 00-1025	EA 10" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	29.41	8.35
23 05 29 00-1026	EA 12" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	33.37	9.61
23 05 29 00-1027	EA 14" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	39.35	11.58
23 05 29 00-1028 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0997)			
23 05 29 00-1029	EA 1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	16.41	5.03
23 05 29 00-1030	EA 3/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	16.63	5.03
23 05 29 00-1031	EA 1" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	17.21	5.12
23 05 29 00-1032	EA 1-1/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	17.73	5.21
23 05 29 00-1033	EA 1-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.27	5.30
23 05 29 00-1034	EA 2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.98	5.48
23 05 29 00-1035	EA 2-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.01	5.66
23 05 29 00-1036	EA 3" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.98	5.84
23 05 29 00-1037	EA 4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.16	6.19
23 05 29 00-1038	EA 6" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	26.50	7.00
23 05 29 00-1039	EA 8" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	40.94	11.95
23 05 29 00-1040	EA 10" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	44.62	13.83
23 05 29 00-1041	EA 12" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	51.40	16.34
23 05 29 00-1042	EA 14" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	57.63	18.32
23 05 29 00-1043	EA 16" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	64.33	20.66
23 05 29 00-1044	EA 18" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	73.58	24.25
23 05 29 00-1045	EA 20" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	81.70	26.95
23 05 29 00-1046	EA 24" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	92.28	30.54
23 05 29 00-1047 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0997)			
23 05 29 00-1048	EA 1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.79	5.84
23 05 29 00-1049	EA 3/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.03	5.84

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 29 00-1050	EA	1" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.74	5.93
23 05 29 00-1051	EA	1-1/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.28	6.02
23 05 29 00-1052	EA	1-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.83	6.02
23 05 29 00-1053	EA	2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.70	6.29
23 05 29 00-1054	EA	2-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.87	6.47
23 05 29 00-1055	EA	3" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.97	6.74
23 05 29 00-1056	EA	4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	26.42	7.09
23 05 29 00-1057	EA	6" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	30.28	8.08
23 05 29 00-1058	EA	8" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	40.01	8.98
23 05 29 00-1059	EA	10" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	47.69	10.33
23 05 29 00-1060	EA	12" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	54.47	12.84
23 05 29 00-1061	EA	14" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	61.48	14.10
23 05 29 00-1062	EA	16" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	72.70	17.97
23 05 29 00-1063	EA	18" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	78.06	18.87
23 05 29 00-1064	EA	20" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	88.64	21.56
23 05 29 00-1065	EA	24" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	104.42	26.05

23 05 29 00-1066 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0997)

23 05 29 00-1067	EA	1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	33.45	6.02
23 05 29 00-1068	EA	3/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	39.72	6.29
23 05 29 00-1069	EA	1" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	41.22	6.29
23 05 29 00-1070	EA	1-1/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	42.20	6.47
23 05 29 00-1071	EA	1-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	43.34	6.65
23 05 29 00-1072	EA	2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	44.63	6.74
23 05 29 00-1073	EA	2-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	46.96	6.92
23 05 29 00-1074	EA	3" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	49.00	7.36
23 05 29 00-1075	EA	4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	53.93	7.64
23 05 29 00-1076	EA	6" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	61.68	9.34
23 05 29 00-1077	EA	8" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	79.29	10.24
23 05 29 00-1078	EA	10" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	94.23	10.78
23 05 29 00-1079	EA	12" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	108.40	13.92
23 05 29 00-1080	EA	14" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	121.92	14.82
23 05 29 00-1081	EA	16" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	146.48	19.76
23 05 29 00-1082	EA	18" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	157.67	21.56
23 05 29 00-1083	EA	20" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	178.51	23.36
23 05 29 00-1084	EA	24" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	209.75	28.74

23 05 29 00-1085 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0997)

23 05 29 00-1086	EA	1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.79	5.84
23 05 29 00-1087	EA	3/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.68	7.09
23 05 29 00-1088	EA	1" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.72	7.09
23 05 29 00-1089	EA	1-1/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.34	7.18
23 05 29 00-1090	EA	1-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.07	7.27
23 05 29 00-1091	EA	2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.99	7.55
23 05 29 00-1092	EA	2-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.43	7.82
23 05 29 00-1093	EA	3" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	28.65	8.08
23 05 29 00-1094	EA	4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	31.73	8.54
23 05 29 00-1095	EA	6" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	36.33	9.71
23 05 29 00-1096	EA	8" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	47.98	10.78
23 05 29 00-1097	EA	10" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	57.23	12.40
23 05 29 00-1098	EA	12" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	65.36	15.45
23 05 29 00-1099	EA	14" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	73.79	16.89
23 05 29 00-1100	EA	16" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	87.24	21.56
23 05 29 00-1101	EA	18" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	93.68	22.64
23 05 29 00-1102	EA	20" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	106.41	25.87
23 05 29 00-1103	EA	24" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	125.31	31.26

23 05 29 00-1104 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0997)

23 05 29 00-1105	EA	1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.32	7.90
23 05 29 00-1106	EA	3/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.66	7.90
23 05 29 00-1107	EA	1" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	26.64	7.99
23 05 29 00-1108	EA	1-1/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.43	8.08
23 05 29 00-1109	EA	1-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	28.04	8.08
23 05 29 00-1110	EA	2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	29.58	8.63
23 05 29 00-1111	EA	2-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	30.84	8.72
23 05 29 00-1112	EA	3" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	32.36	9.07
23 05 29 00-1113	EA	4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	35.68	9.61
23 05 29 00-1114	EA	6" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	40.86	10.87
23 05 29 00-1115	EA	8" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	53.31	11.76
23 05 29 00-1116	EA	10" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	64.39	14.01
23 05 29 00-1117	EA	12" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	73.55	17.42
23 05 29 00-1118	EA	14" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	83.03	18.96
23 05 29 00-1119	EA	16" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	98.20	24.25
23 05 29 00-1120	EA	18" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	105.34	25.42

**Heating, Ventilating, and Air-Conditioning (HVAC)****23****Common Work Results for HVAC 23 05****Hangers and Supports for HVAC Piping and Equipment 23 05 29****23**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1121	EA	20" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	118.27	29.11
23 05 29 00-1122	EA	24" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	141.00	35.21
23 05 29 00-1123	EA	26" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	160.60	41.41
23 05 29 00-1124	EA	28" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	182.47	48.86
23 05 29 00-1125	EA	30" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	206.08	57.76
23 05 29 00-1126	EA	42" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	293.72	89.20
23 05 29 00-1127	EA	44" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	316.03	98.18
23 05 29 00-1128	EA	46" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	336.50	105.99
23 05 29 00-1129		Equipment Housekeeping Pads (23 05 29) See CSI section 03 31 13 00-0091 for Concrete Equipment Pads.		
23 05 29 00-1130		Molded Plastic Condenser Pad (23 05 29 00-1129)		
23 05 29 00-1131	EA	30" Round Molded Plastic Pad.....	77.29	12.67
23 05 29 00-1132	EA	30" Octagon Molded Plastic Pad.....	80.71	12.67
23 05 29 00-1133	EA	30" x 30" Molded Plastic Pad.....	77.29	12.67
23 05 29 00-1134	EA	36" x 36" Molded Plastic Pad.....	97.77	12.67
23 05 29 00-1135	EA	36" x 48" Molded Plastic Pad.....	136.08	12.67
23 05 29 00-1136		Inertia Base (23 05 29 00-1129) Note: Includes spring isolators.		
23 05 29 00-1137	EA	Up To 12 SF Inertia Base, 8" Thick With Spring Base	1,127.29	
23 05 29 00-1138	EA	>12 To 16 SF Inertia Base, 8" Thick With Spring Base.....	1,359.68	
23 05 29 00-1139	EA	>16 To 20 SF Inertia Base, 8" Thick With Spring Base.....	1,557.25	
23 05 29 00-1140	EA	>20 To 24 SF Inertia Base, 8" Thick With Spring Base.....	1,778.04	
23 05 29 00-1141		Hanger Assemblies (23 05 29) Note: Includes hanger, rod, nuts, washers, clamps, upper attachment, etc. Not for use where detail is available.		
23 05 29 00-1142	EA	1/2" Standard Duty Clevis Pipe Hanger Assembly.....	45.53	15.76
		Note: Includes hanger, rod, nuts, washers and clamp. For Work In Restricted Working Space, Add	10.14	
23 05 29 00-1143	EA	3/4" Standard Duty Clevis Pipe Hanger Assembly.....	47.41	16.70
		Note: Includes hanger, rod, nuts, washers and clamp. For Work In Restricted Working Space, Add	10.71	
23 05 29 00-1144	EA	1" Standard Duty Clevis Pipe Hanger Assembly.....	48.98	17.70
		Note: Includes hanger, rod, nuts, washers and clamp. For Work In Restricted Working Space, Add	11.15	
23 05 29 00-1145	EA	1-1/4" Standard Duty Clevis Pipe Hanger Assembly.....	49.88	17.73
		Note: Includes hanger, rod, nuts, washers and clamp. For Work In Restricted Working Space, Add	11.32	
23 05 29 00-1146	EA	1-1/2" Standard Duty Clevis Pipe Hanger Assembly.....	50.19	17.73
		Note: Includes hanger, rod, nuts, washers and clamp. For Work In Restricted Working Space, Add	11.32	
23 05 29 00-1147	EA	2" Standard Duty Clevis Pipe Hanger Assembly.....	51.36	17.87
		Note: Includes hanger, rod, nuts, washers and clamp. For Work In Restricted Working Space, Add	11.48	
23 05 29 00-1148	EA	2-1/2" Standard Duty Clevis Pipe Hanger Assembly.....	60.25	18.96
		Note: Includes hanger, rod, nuts, washers and clamp. For Work In Restricted Working Space, Add	11.59	
23 05 29 00-1149	EA	3" Standard Duty Clevis Pipe Hanger Assembly.....	62.40	19.51
		Note: Includes hanger, rod, nuts, washers and clamp. For Work In Restricted Working Space, Add	11.77	
23 05 29 00-1150	EA	4" Standard Duty Clevis Pipe Hanger Assembly.....	75.99	22.02
		Note: Includes hanger, rod, nuts, washers and clamp. For Work In Restricted Working Space, Add	13.00	
23 05 29 00-1151	EA	6" Standard Duty Clevis Pipe Hanger Assembly.....	113.80	28.46
		Note: Includes hanger, rod, nuts, washers and clamp. For Work In Restricted Working Space, Add	17.07	
23 05 29 00-1152	EA	8" Standard Duty Clevis Pipe Hanger Assembly.....	133.12	33.01
		Note: Includes hanger, rod, nuts, washers and clamp. For Work In Restricted Working Space, Add	19.81	
23 05 29 00-1153	EA	10" Standard Duty Clevis Pipe Hanger Assembly.....	184.74	41.93
		Note: Includes hanger, rod, nuts, washers and clamp. For Work In Restricted Working Space, Add	24.85	
23 05 29 00-1154	EA	12" Standard Duty Clevis Pipe Hanger Assembly.....	204.26	45.13
		Note: Includes hanger, rod, nuts, washers and clamp. For Work In Restricted Working Space, Add	27.12	
23 05 29 00-1155		Steel Shapes For Hanger Devices (23 05 29)		
23 05 29 00-1156		Angle Iron For Hanger Devices (23 05 29 00-1155)		
23 05 29 00-1157	LF	1/2" x 1/2" x 1/8" Angle Iron For Hanger Devices.....	2.50	1.47
23 05 29 00-1158	LF	3/4" x 3/4" x 1/8" Angle Iron For Hanger Devices.....	3.30	1.84
23 05 29 00-1159	LF	1" x 1" x 1/8" Angle Iron For Hanger Devices.....	4.09	2.20
23 05 29 00-1160	LF	1-1/4" x 1-1/4" x 3/16" Angle Iron For Hanger Devices	5.78	2.74
23 05 29 00-1161	LF	1-1/2" x 1-1/2" x 3/16" Angle Iron For Hanger Devices	6.51	2.95
23 05 29 00-1162	LF	2" x 2" x 1/4" Angle Iron For Hanger Devices.....	8.99	3.31
23 05 29 00-1163	LF	2-1/2" x 2-1/2" x 1/4" Angle Iron For Hanger Devices	11.23	4.03
23 05 29 00-1164	LF	3" x 2" x 3/8" Angle Iron For Hanger Devices.....	14.75	4.72
23 05 29 00-1165	LF	3" x 3" x 3/8" Angle Iron For Hanger Devices.....	17.66	5.52

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 29 00-1166		Channels For Hanger Devices (23 05 29 00-1155)		
23 05 29 00-1167	LF	C2 x 1.78, 2" Wide Channels For Hanger Devices	7.49	3.73
23 05 29 00-1168	LF	C3 x 4.1, 3" Wide Channels For Hanger Devices	13.04	5.36
23 05 29 00-1169	LF	C4 x 5.4, 4" Wide Channels For Hanger Devices	16.34	6.44
23 05 29 00-1170	LF	C5 x 6.7 - 5" Wide Channels For Hanger Devices	19.64	7.51
23 05 29 00-1171	LF	C6 x 8.2 - 6" Wide Channels For Hanger Devices	23.79	9.03
23 05 29 00-1172	LF	C7 x 9.8 - 7" Wide Channels For Hanger Devices	28.39	10.75
23 05 29 00-1173	LF	C8 x 11.5 - 8" Wide Channels For Hanger Devices	32.26	11.83
23 05 29 00-1174		Structural Bar Tees For Hanger Devices (23 05 29 00-1155)		
23 05 29 00-1175	LF	3/4" x 3/4" x 1/8" Structural Bar Tee For Hanger Devices	8.08	5.25
23 05 29 00-1176	LF	1" x 1" x 1/8" Structural Bar Tee For Hanger Devices	9.73	6.20
23 05 29 00-1177	LF	1-1/2" x 1-1/2" x 1/4" Structural Bar Tee For Hanger Devices	14.27	7.16
23 05 29 00-1178	LF	2" x 2" x 1/4" Structural Bar Tee For Hanger Devices	18.40	9.54
23 05 29 00-1179	LF	2-1/2" x 2-1/2" x 3/8" Structural Bar Tee For Hanger Devices	25.52	11.46
23 05 29 00-1180	LF	3" x 3" x 3/8" Structural Bar Tee For Hanger Devices	31.94	14.80
23 05 29 00-1181		Structural Zees For Hanger Devices (23 05 29 00-1155)		
23 05 29 00-1182	LF	1-1/4" x 1-3/4" x 1-3/4" Structural Zee For Hanger Devices	14.29	7.16
23 05 29 00-1183	LF	2-11/16" x 3" x 2-11/16" Structural Zee For Hanger Devices	17.51	7.16
23 05 29 00-1184	LF	3-1/16" x 4" x 3-1/16" Structural Zee For Hanger Devices	25.85	7.16
23 05 29 00-1185	LF	3-1/4" x 5" x 3-1/4" Structural Zee For Hanger Devices	32.93	7.16
23 05 29 00-1186	LF	3-1/2" x 6" x 3-1/2" Structural Zee For Hanger Devices	40.48	7.16
23 05 29 00-1187		Junior I-beams For Hanger Devices (23 05 29 00-1155)		
23 05 29 00-1188	LF	3" I-beam (Junior) For Hanger Devices	17.50	10.51
23 05 29 00-1189	LF	4" I-beam (Junior) For Hanger Devices	20.23	11.46
23 05 29 00-1190	LF	5" I-beam (Junior) For Hanger Devices	23.52	12.42
23 05 29 00-1191	LF	6" I-beam (Junior) For Hanger Devices	25.74	13.85
23 05 29 00-1192	LF	7" I-beam (Junior) For Hanger Devices	30.93	14.80
23 05 29 00-1193	LF	8" I-beam (Junior) For Hanger Devices	33.53	15.76
23 05 48		Vibration and Seismic Controls for HVAC (23 05)		
23 05 48 13		Vibration Controls for HVAC (23 05 48)		
23 05 48 13-0001		Unhoused Stable Steel Spring Isolators (23 05 48 13)		
Note: Includes leveling adjustment, cast top, base plate and pad. For use with floor mounted equipment only.				
23 05 48 13-0002	EA	60 LB Unhoused Steel Spring Isolator	93.25	28.38
23 05 48 13-0003	EA	115 LB Unhoused Steel Spring Isolator	99.16	28.38
23 05 48 13-0004	EA	1,130 LB Unhoused Steel Spring Isolator	118.78	28.38
23 05 48 13-0005		Housed Stable Steel Spring Isolators (23 05 48 13)		
Note: Includes leveling adjustment, top plate, base plate and pad. For use with floor mounted equipment only.				
Mason Industries, Inc.				
23 05 48 13-0006	EA	To 770 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	433.72	28.38
23 05 48 13-0007	EA	To 1,040 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	491.78	28.38
23 05 48 13-0008	EA	To 1,600 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	520.81	28.38
23 05 48 13-0009	EA	To 2,250 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	636.94	28.38
23 05 48 13-0010	EA	To 3,250 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	665.97	28.38
23 05 48 13-0011	EA	To 730 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	484.52	28.38
23 05 48 13-0012	EA	To 930 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	535.33	28.38
23 05 48 13-0013	EA	To 1,440 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	571.62	28.38
23 05 48 13-0014	EA	To 1,860 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	738.55	28.38
23 05 48 13-0015	EA	To 2,880 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	803.87	28.38
23 05 48 13-0016	EA	To 3,720 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	956.29	28.38
23 05 48 13-0017		Vibration Isolators (23 05 48 13)		
23 05 48 13-0018		Spring And Rubber Hanger For 1" Deflection (23 05 48 13-0017)		
23 05 48 13-0019	EA	50 To 500 LB Rated Spring And Rubber Hanger For Vibration Isolation With 3/4" Max Rod Size	123.32	18.25
23 05 48 13-0020	EA	600 To 1,000 LB Rated Spring And Rubber Hanger For Vibration Isolation With 7/8" Max Rod Size	259.47	20.28
23 05 48 13-0021		Rubber-In-Shear Isolator Hanger (23 05 48 13-0017)		
23 05 48 13-0022	EA	45-340 LB Rubber In Shear Hanger 0.38" Deflection With <1/2" Rod Size	68.52	15.21
23 05 48 13-0023	EA	130-700 LB Rubber In Shear Hanger 0.43" Deflection With <3/4" Rod Size	88.82	18.25
23 05 48 13-0024		Spring Hanger For 1" Deflection (23 05 48 13-0017)		
23 05 48 13-0025	EA	50 To 1,000 LB Rubber In Shear Hanger For 1" Deflection With <3/4" Rod Size	77.71	18.25



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0026 Rubber-In-Shear Vibration Isolator (23 05 48 13-0017)		
23 05 48 13-0027 EA 45 To 340 LB Rubber In Shear Vibration Isolation With 0.38" Deflection.....	143.00	34.48
23 05 48 13-0028 EA 130 To 700 LB Rubber In Shear Vibration Isolation With 0.43" Deflection.....	195.35	34.48
23 05 48 13-0029 EA 550 To 1,920 LB Rubber In Shear Vibration Isolation With 0.48" Deflection.....	375.01	34.48
23 05 48 13-0030 Two-Piece Spring Type Vibration Isolator (23 05 48 13-0017)		
Note: For equipment support aluminum construction 1/2" adjusting and leveling bolt 1" deflection.		
23 05 48 13-0031 EA 50 To 1,000 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator	120.94	34.48
23 05 48 13-0032 EA >1,000 To 1,600 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator	124.84	34.48
23 05 48 13-0033 Open Double Spring Type Vibration Isolator (23 05 48 13-0017)		
Note: For equipment support 1" deflection neoprene pad and 5/8" stud bolt.		
23 05 48 13-0034 EA 150 To 450 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	94.17	17.23
23 05 48 13-0035 EA 500 To 1,000 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	94.17	17.23
23 05 48 13-0036 EA 1,100 To 1,600 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	107.17	17.23
23 05 48 13-0037 EA 1,700 To 2,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	107.17	17.23
23 05 48 13-0038 EA 2,500 To 3,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	165.99	17.23
23 05 48 13-0039 Isolation Pads (23 05 48 13-0017)		
23 05 48 13-0040 Laminated Neoprene And Cork Isolation Pad (23 05 48 13-0039)		
23 05 48 13-0041 EA 2" x 2", 1" Thick Laminated Neoprene And Cork Isolation Pad	6.13	2.53
23 05 48 13-0042 EA 3" x 3", 1" Thick Laminated Neoprene And Cork Isolation Pad	7.83	2.63
23 05 48 13-0043 EA 4" x 4", 1" Thick Laminated Neoprene And Cork Isolation Pad	9.78	2.74
23 05 48 13-0044 EA 12" x 12", 1" Thick Laminated Neoprene And Cork Isolation Pad	38.43	3.15
23 05 48 13-0045 EA 18" x 18", 1" Thick Laminated Neoprene And Cork Isolation Pad	73.46	3.55
23 05 48 13-0046 Neoprene And Steel Plate Isolation Pad (23 05 48 13-0039)		
23 05 48 13-0047 EA 6" x 4", 5/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	54.64	2.53
23 05 48 13-0048 EA 6" x 4", 7/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	60.10	2.53
23 05 48 13-0049 Neoprene Isolation Pad (23 05 48 13-0039)		
23 05 48 13-0050 EA 2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad	5.72	2.53
23 05 48 13-0051 EA 3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad	6.52	2.53
23 05 48 13-0052 EA 4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad	7.77	2.53
23 05 48 13-0053 EA 12" x 12", 3/8" Thick Ribbed Neoprene Isolation Pad	37.81	3.05
23 05 48 13-0054 EA 18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad	69.05	3.55
23 05 48 13-0055 Miscellaneous Piping Isolators (23 05 48 13-0017)		
23 05 48 13-0056 EA Vibration Isolator, 2" Deflector.....	635.81	30.42
Note: M.M. Sausse Model # RMXA.		
23 05 48 13-0057 Threaded Flexible Bronze Hose Connectors (23 05 48 13)		
Note: Includes hex threaded nipple ends.		
23 05 48 13-0058 EA 3/8" Diameter x 9" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	66.30	16.22
23 05 48 13-0059 EA 1/2" Diameter x 10" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	77.67	22.30
23 05 48 13-0060 EA 3/4" Diameter x 11" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	95.35	27.38
23 05 48 13-0061 EA 1" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	110.96	32.45
23 05 48 13-0062 EA 1-1/4" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	127.22	42.58
23 05 48 13-0063 EA 1-1/2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	143.29	45.32
23 05 48 13-0064 EA 2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	191.85	53.73
23 05 48 13-0065 EA 2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	264.84	83.75
23 05 48 13-0066 Weld End Flexible Hose Connectors (23 05 48 13)		
23 05 48 13-0067 EA 1/2" Diameter x 10" Flexible Hose Connection, Weld Ends	254.20	58.20
23 05 48 13-0068 EA 3/4" Diameter x 10" Flexible Hose Connection, Weld Ends	298.29	63.88
23 05 48 13-0069 EA 1" Diameter x 10" Flexible Hose Connection, Weld Ends	338.03	67.63
23 05 48 13-0070 EA 1-1/4" Diameter x 11" Flexible Hose Connection, Weld Ends	377.45	77.06
23 05 48 13-0071 EA 1-1/2" Diameter x 12" Flexible Hose Connection, Weld Ends	429.65	83.15
23 05 48 13-0072 EA 2" Diameter x 14" Flexible Hose Connection, Weld Ends	538.05	108.18
23 05 48 13-0073 EA 2-1/2" Diameter x 16" Flexible Hose Connection, Weld Ends	822.70	121.68
23 05 48 13-0074 EA 3" Diameter x 16" Flexible Hose Connection, Weld Ends	1,021.19	136.88
23 05 48 13-0075 EA 4" Diameter x 18" Flexible Hose Connection, Weld Ends	1,407.53	202.79

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 48 Vibration and Seismic Controls for HVAC**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 48 13-0076 Flanged Flexible Hose Connectors (23 05 48 13)**23 05 48 13-0077 Flanged Flexible Molded Rubber Hose Connectors (23 05 48 13-0076)**

Note: With helical wire reinforcement 150 PSI.

23 05 48 13-0078	EA	1-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	201.14	76.05
23 05 48 13-0079	EA	2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	217.62	84.46
23 05 48 13-0080	EA	2-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	353.90	168.72
23 05 48 13-0081	EA	3" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	490.07	250.95
23 05 48 13-0082	EA	4" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	638.57	323.95
23 05 48 13-0083	EA	6" Diameter x 18" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	814.16	338.47
23 05 48 13-0084	EA	8" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	989.68	386.58
23 05 48 13-0085	EA	10" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,281.64	460.05
23 05 48 13-0086	EA	12" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	3,105.88	575.39

23 05 48 13-0087 Flanged Flexible Corrugated Stainless Steel Hose Connectors (23 05 48 13-0076)

Note: With braided metal wire.

23 05 48 13-0088	EA	1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	156.56	69.15
23 05 48 13-0089	EA	1" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	151.94	95.11
23 05 48 13-0090	EA	1-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	292.17	126.74
23 05 48 13-0091	EA	2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	379.09	190.11
23 05 48 13-0092	EA	2-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	407.67	209.17
23 05 48 13-0093	EA	3" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	473.68	253.29
23 05 48 13-0094	EA	4" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	606.49	324.25
23 05 48 13-0095	EA	4" Diameter x 30" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,100.35	447.35
23 05 48 13-0096	EA	4" Diameter x 36" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,259.17	524.41
23 05 48 13-0097	EA	6" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	839.02	405.35
23 05 48 13-0098	EA	6" Diameter x 36" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,591.61	507.70
23 05 48 13-0099	EA	8" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,371.07	541.54
23 05 48 13-0100	EA	10" Diameter x 13" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,613.70	626.21
23 05 48 13-0101	EA	12" Diameter x 14" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,076.19	676.94

23 05 48 13-0102 Flanged Flexible Molded Teflon Hose Connectors (23 05 48 13-0076)

Note: 150 PSI.

23 05 48 13-0103	EA	2-1/2" Diameter x 3-3/16" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	877.49	147.02
23 05 48 13-0104	EA	3" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	984.15	172.37
23 05 48 13-0105	EA	4" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,491.40	289.70
23 05 48 13-0106	EA	6" Diameter x 4" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,814.20	338.47
23 05 48 13-0107	EA	8" Diameter x 6" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	2,384.89	415.19

23 05 48 13-0108 Flexible Hose Connectors Braided Metal Hose Type (23 05 48 13)**23 05 48 13-0109 Braided Metal Hose Type Flexible Bronze Hose Connectors (23 05 48 13-0108)**

Note: MPT connection.

23 05 48 13-0110	EA	1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	34.72	2.03
23 05 48 13-0111	EA	1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	41.51	2.03
23 05 48 13-0112	EA	1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	46.18	2.63
23 05 48 13-0113	EA	1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	56.18	2.63
23 05 48 13-0114	EA	3/4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	46.49	2.43
23 05 48 13-0115	EA	3/4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	56.18	2.43
23 05 48 13-0116	EA	3/4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	64.27	3.14
23 05 48 13-0117	EA	3/4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	79.36	3.14
23 05 48 13-0118	EA	1" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	63.44	2.84
23 05 48 13-0119	EA	1" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	69.39	2.84
23 05 48 13-0120	EA	1" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	82.45	3.75
23 05 48 13-0121	EA	1" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	104.52	3.75
23 05 48 13-0122	EA	1" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	126.42	3.75
23 05 48 13-0123	EA	1" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	148.39	3.75
23 05 48 13-0124	EA	1-1/4" Or 1-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	90.39	3.64
23 05 48 13-0125	EA	1-1/4" Or 1-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	99.65	3.64
23 05 48 13-0126	EA	1-1/4" Or 1-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	127.88	3.64
23 05 48 13-0127	EA	1-1/4" Or 1-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	177.81	4.85
23 05 48 13-0128	EA	1-1/4" Or 1-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	206.26	4.85
23 05 48 13-0129	EA	1-1/4" Or 1-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	244.11	4.85
23 05 48 13-0130	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	123.76	4.39
23 05 48 13-0131	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	143.11	4.39
23 05 48 13-0132	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	180.60	4.39
23 05 48 13-0133	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	240.88	5.88
23 05 48 13-0134	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	298.02	5.88
23 05 48 13-0135	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	355.11	5.88
23 05 48 13-0136	EA	2-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	171.88	5.51
23 05 48 13-0137	EA	2-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	195.72	5.22
23 05 48 13-0138	EA	2-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	219.80	5.22
23 05 48 13-0139	EA	2-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	271.04	7.00
23 05 48 13-0140	EA	2-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	319.47	7.00
23 05 48 13-0141	EA	2-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	366.39	7.00
23 05 48 13-0142	EA	3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	271.06	7.00

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Common Work Results for HVAC 23 05

Vibration and Seismic Controls for HVAC 23 05 48

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0143 EA 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	303.23	7.00
23 05 48 13-0144 EA 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	417.85	7.00
23 05 48 13-0145 EA 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	504.08	9.34
23 05 48 13-0146 EA 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	469.62	9.34
23 05 48 13-0147 EA 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	532.92	9.34
23 05 48 13-0148 EA 4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	496.03	8.12
23 05 48 13-0149 EA 4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	533.62	8.12
23 05 48 13-0150 EA 4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	571.20	8.12
23 05 48 13-0151 EA 4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	652.98	10.83
23 05 48 13-0152 EA 4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	727.86	10.83
23 05 48 13-0153 EA 4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	804.36	10.83
23 05 48 13-0154 Braided Stainless Steel Flexible Hose Connectors (23 05 48 13-0108)		
Note: Over braided carbon steel connection.		
23 05 48 13-0155 EA 2" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	147.47	4.45
23 05 48 13-0156 EA 2" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	178.23	4.45
23 05 48 13-0157 EA 2" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	208.40	4.45
23 05 48 13-0158 EA 2" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	272.78	5.96
23 05 48 13-0159 EA 2" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	333.95	5.96
23 05 48 13-0160 EA 2" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	395.04	5.96
23 05 48 13-0161 EA 2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	167.17	5.22
23 05 48 13-0162 EA 2-1/2" Or 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	199.32	5.22
23 05 48 13-0163 EA 2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	231.60	5.22
23 05 48 13-0164 EA 2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	300.04	7.00
23 05 48 13-0165 EA 2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	364.35	7.00
23 05 48 13-0166 EA 2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	427.77	7.00
23 05 48 13-0167 EA 4" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	177.35	7.00
23 05 48 13-0168 EA 4" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	214.17	7.19
23 05 48 13-0169 LF 4" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	251.52	7.00
23 05 48 13-0170 EA 4" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	333.09	9.34
23 05 48 13-0171 EA 4" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	407.38	9.34
23 05 48 13-0172 EA 4" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	483.78	9.34
23 05 48 13-0173 EA 6" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	357.62	13.63
23 05 48 13-0174 EA 6" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	527.90	13.73
23 05 48 13-0175 EA 6" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	707.98	18.08
23 05 48 13-0176 EA 6" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	878.33	18.08
23 05 48 13-0177 EA 6" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,048.63	18.08
23 05 48 13-0178 EA 8" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	620.20	16.50
23 05 48 13-0179 EA 8" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	749.04	16.50
23 05 48 13-0180 EA 8" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,015.54	21.45
23 05 48 13-0181 EA 8" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,271.12	21.45
23 05 48 13-0182 EA 8" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,526.62	21.45
23 05 48 13-0183 EA 10" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	664.27	20.62
23 05 48 13-0184 EA 10" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	986.36	20.62
23 05 48 13-0185 EA 10" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,321.17	26.85
23 05 48 13-0186 EA 10" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,644.39	26.85
23 05 48 13-0187 EA 10" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,966.24	26.85
23 05 48 13-0188 EA 12" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,318.48	24.93

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 48 Vibration and Seismic Controls for HVAC**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0189	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	1,720.44	24.93
23 05 48 13-0190	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	2,152.28	33.55
23 05 48 13-0191	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	2,557.77	33.55
23 05 48 13-0192	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	2,965.16	33.55
23 05 48 13-0193 Braided Metal Hose Type Flexible Bronze Hose Connectors (23 05 48 13-0108)				
Note: Flanged end connection (carbon steel ends).				
23 05 48 13-0194	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	187.33	4.39
23 05 48 13-0195	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	409.81	124.42
23 05 48 13-0196	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	486.66	124.42
23 05 48 13-0197	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	563.52	124.42
23 05 48 13-0198	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	640.40	124.42
23 05 48 13-0199	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	399.81	158.68
23 05 48 13-0200	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	480.80	158.68
23 05 48 13-0201	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	561.82	158.68
23 05 48 13-0202	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	642.87	158.68
23 05 48 13-0203	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	722.50	158.68
23 05 48 13-0204	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	581.24	266.01
23 05 48 13-0205	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	675.77	266.68
23 05 48 13-0206	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	771.84	266.01
23 05 48 13-0207	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	879.26	266.01
23 05 48 13-0208	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	961.33	266.01
23 05 48 13-0209	EA	6" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	863.10	340.80
23 05 48 13-0210	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,077.29	340.80
23 05 48 13-0211	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,291.60	342.02
23 05 48 13-0212	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,505.82	340.80
23 05 48 13-0213	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,720.01	340.80
23 05 48 13-0214	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,350.98	421.59
23 05 48 13-0215	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,513.02	421.59
23 05 48 13-0216	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,834.29	421.59
23 05 48 13-0217	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	2,155.68	421.59
23 05 48 13-0218	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	2,476.91	421.59
23 05 48 13-0219	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	2,115.94	513.24
23 05 48 13-0220	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	2,519.65	513.24
23 05 48 13-0221	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	2,926.07	513.24
23 05 48 13-0222	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	3,331.61	513.24
23 05 48 13-0223	EA	10" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	3,659.37	513.24
23 05 48 13-0224	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	2,831.44	623.23
23 05 48 13-0225	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	3,343.73	623.23
23 05 48 13-0226	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	3,856.00	623.23
23 05 48 13-0227	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	4,368.26	623.23
23 05 48 13-0228	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	4,880.55	623.23

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 53 Identification for HVAC Piping and Equipment (23 05)

23 05 53 00-0001 Systems Identification (23 05 53)

23 05 53 00-0002 Pipe Marker Snap-On Type Plastic (23 05 53 00-0001)

Note: Outside diameters include insulation where necessary.

23 05 53 00-0003	EA	1/2" Outside Diameter Snap-On Plastic Marker	12.88	
23 05 53 00-0004	EA	3/4" Outside Diameter Snap-On Plastic Marker	13.13	
23 05 53 00-0005	EA	1" Outside Diameter Snap-On Plastic Marker	13.26	
23 05 53 00-0006	EA	1-1/4" Outside Diameter Snap-On Plastic Marker	13.48	
23 05 53 00-0007	EA	1-1/2" Outside Diameter Snap-On Plastic Marker	15.07	
23 05 53 00-0008	EA	2" Outside Diameter Snap-On Plastic Marker	15.53	
23 05 53 00-0009	EA	2-1/2" Outside Diameter Snap-On Plastic Marker	22.25	
23 05 53 00-0010	EA	3" Outside Diameter Snap-On Plastic Marker	22.62	
23 05 53 00-0011	EA	3-1/2" Outside Diameter Snap-On Plastic Marker	23.01	
23 05 53 00-0012	EA	4" Outside Diameter Snap-On Plastic Marker	23.21	
23 05 53 00-0013	EA	4-1/2" Outside Diameter Snap-On Plastic Marker	23.43	
23 05 53 00-0014	EA	5" Outside Diameter Snap-On Plastic Marker	23.65	
23 05 53 00-0015	EA	6" Outside Diameter Snap-On Plastic Marker	24.65	
23 05 53 00-0016	EA	7" Outside Diameter Snap-On Plastic Marker	24.89	
23 05 53 00-0017	EA	8" Outside Diameter Snap-On Plastic Marker	29.52	
23 05 53 00-0018	EA	10" Outside Diameter Snap-On Plastic Marker	30.89	
23 05 53 00-0019	EA	12" Outside Diameter Snap-On Plastic Marker	35.87	
23 05 53 00-0020	EA	14" Outside Diameter Snap-On Plastic Marker	41.04	

23 05 53 00-0021 Pipe Markers Pressure-Sensitive (23 05 53 00-0001)

Note: Stick on include arrow tape. Outside diameter includes insulation where necessary.

23 05 53 00-0022	EA	1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	13.71	
23 05 53 00-0023	EA	3/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	14.22	
23 05 53 00-0024	EA	1" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	15.24	
23 05 53 00-0025	EA	1-1/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	15.44	
23 05 53 00-0026	EA	1-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	16.81	
23 05 53 00-0027	EA	2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	17.11	
23 05 53 00-0028	EA	2-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	20.03	
23 05 53 00-0029	EA	3" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	20.43	
23 05 53 00-0030	EA	3-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	20.73	
23 05 53 00-0031	EA	4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	21.05	
23 05 53 00-0032	EA	4-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	21.68	
23 05 53 00-0033	EA	5" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	22.36	
23 05 53 00-0034	EA	6" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	22.96	
23 05 53 00-0035	EA	7" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	23.54	
23 05 53 00-0036	EA	8" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	26.71	
23 05 53 00-0037	EA	10" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	27.83	
23 05 53 00-0038	EA	12" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	32.97	

23 05 53 00-0039 Valve Identification Tag (23 05 53 00-0001)

Note: Includes beaded chain and/or "S" hook.

23 05 53 00-0040	EA	2" Diameter Identification Tag, Brass	9.86	
23 05 53 00-0041	EA	1-1/2" Diameter Identification Tag, Plastic	9.38	
23 05 53 00-0042	EA	1-1/2" Diameter Identification Tag, Brass	9.24	

23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment (23 05)

23 05 66 00-0001 Double Ended Ultraviolet HVAC Microbial Control Fixtures (23 05 66)

23 05 66 00-0002	EA	18" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-181-VO)	557.59	71.14
Note: Includes tube.				
23 05 66 00-0003	EA	24" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-241-VO)	582.33	74.67
Note: Includes tube.				
23 05 66 00-0004	EA	30" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-301-VO)	585.93	77.87
Note: Includes tube.				
23 05 66 00-0005	EA	36" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-361-VO)	613.24	81.81
Note: Includes tube.				
23 05 66 00-0006	EA	42" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-421-VO)	661.76	85.32
Note: Includes tube.				
23 05 66 00-0007	EA	62" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-621-VO)	754.44	87.99
Note: Includes tube.				

23 05 66 00-0008 Single Ended Ultraviolet HVAC Microbial Control Fixtures (23 05 66)

23 05 66 00-0009	EA	12" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-121-VO)	481.38	49.27
Note: Includes tube.				
23 05 66 00-0010	EA	16" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-161-VO)	490.51	53.33
Note: Includes tube.				
23 05 66 00-0011	EA	20" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-201-VO)	499.86	56.53
Note: Includes tube.				

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 66 00-0012	EA	24" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-241-VO)..... Note: Includes tube.	501.04	60.79
23 05 66 00-0013	EA	30" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-301-VO)..... Note: Includes tube.	521.62	64.00
23 05 66 00-0014	EA	36" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-361-VO)..... Note: Includes tube.	534.37	67.20
23 05 66 00-0015	EA	42" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-421-VO)..... Note: Includes tube.	547.20	71.46
23 05 66 00-0016	EA	12" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-121-VO) Note: Includes tube.	561.61	49.27
23 05 66 00-0017	EA	16" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-161-VO) Note: Includes tube.	570.74	53.33
23 05 66 00-0018	EA	20" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-201-VO) Note: Includes tube.	580.09	56.53
23 05 66 00-0019	EA	24" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-241-VO) Note: Includes tube.	581.27	60.79
23 05 66 00-0020	EA	30" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-301-VO) Note: Includes tube.	601.85	64.00
23 05 66 00-0021	EA	36" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-361-VO) Note: Includes tube.	614.60	67.20
23 05 66 00-0022	EA	42" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-421-VO) Note: Includes tube.	627.43	71.46
23 05 66 00-0023	EA	16" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-161-VO) Note: Includes tube.	396.16	53.33
23 05 66 00-0024	EA	20" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-201-VO) Note: Includes tube.	405.51	56.53
23 05 66 00-0025	EA	24" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-241-VO) Note: Includes tube.	406.69	60.79
23 05 66 00-0026	EA	30" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-301-VO) Note: Includes tube.	427.28	64.00
23 05 66 00-0027	EA	36" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-361-VO) Note: Includes tube.	440.02	67.20
23 05 66 00-0028	EA	42" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-421-VO) Note: Includes tube.	452.85	71.46
23 05 66 00-0029 Fan Coil Unit Ultraviolet Microbial Control Fixtures (23 05 66)				
23 05 66 00-0030	EA	16" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	357.25	68.26
23 05 66 00-0031	EA	20" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	366.34	71.46
23 05 66 00-0032	EA	24" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	375.41	74.67
23 05 66 00-0033	EA	30" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	386.91	77.87
23 05 66 00-0034	EA	36" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	401.19	81.81
23 05 66 00-0035	EA	42" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	414.01	85.32
23 05 66 00-0036 Ultraviolet HVAC Microbial Control Replacement Parts (23 05 66)				
23 05 66 00-0037	EA	18" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-16-VO) Note: Includes tube.	94.40	
23 05 66 00-0038	EA	24" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-22-VO) Note: Includes tube.	99.13	
23 05 66 00-0039	EA	30" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-28-VO) Note: Includes tube.	111.64	
23 05 66 00-0040	EA	36" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-34-VO) Note: Includes tube.	127.61	
23 05 66 00-0041	EA	42" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-40-VO) Note: Includes tube.	143.92	
23 05 66 00-0042	EA	62" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-60-VO) Note: Includes tube.	175.15	
23 05 66 00-0043	EA	12" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-12-VO) Note: Includes tube.	91.20	
23 05 66 00-0044	EA	16" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-16-VO) Note: Includes tube.	96.07	
23 05 66 00-0045	EA	20" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-20-VO) Note: Includes tube.	101.15	
23 05 66 00-0046	EA	24" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-24-VO) Note: Includes tube.	98.07	
23 05 66 00-0047	EA	30" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-30-VO) Note: Includes tube.	114.38	
23 05 66 00-0048	EA	36" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-36-VO) Note: Includes tube.	122.87	
23 05 66 00-0049	EA	42" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-42-VO) Note: Includes tube.	131.43	
23 05 66 00-0050	EA	Removal And Replacement Of Power Supply For Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	266.84	
23 05 66 00-0051 Ultraviolet HVAC Microbial Control Mounting Accessories (23 05 66)				
23 05 66 00-0052	EA	Two Spring Clip, 61" Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006610) Note: Includes 61" emitter, power supply, wires and connectors.	484.29	
23 05 66 00-0053	EA	Two Spring Clip, 61" Sleeved Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006620) Note: Includes 61" emitter, power supply, wires and connectors.	609.97	
23 05 66 00-0054	EA	Two Spring Clip, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-1) Note: Includes power supply, wires and connectors. Excludes emitter.	291.24	
23 05 66 00-0055	EA	Two Short Hook Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-2) Note: Includes power supply, wires and connectors. Excludes emitter.	306.63	
23 05 66 00-0056	EA	Flat Plate For Metal, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-3) Note: Includes power supply, wires and connectors. Excludes emitter.	375.71	
23 05 66 00-0057	EA	Flat Plate For Plastic, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-4) Note: Includes power supply, wires and connectors. Excludes emitter.	240.61	
23 05 66 00-0058	EA	Insert Lamp Holder, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-5) Note: Includes power supply, wires and connectors. Excludes emitter.	259.53	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23****Common Work Results for HVAC 23 05****Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment 23 05 66****23**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 66 00-0059 EA 16" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-6).....	343.58	
Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0060 EA 12" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-7).....	339.21	
Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0061 LF 30 x 30 mm Framing Structure For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000101).....	12.89	
23 05 66 00-0062 EA Vertical Support Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000111)	44.21	
23 05 66 00-0063 EA Joint Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000112)	15.94	
23 05 66 00-0064 EA Emitter Mounting Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000113).....	15.18	
23 05 66 00-0065 EA Foundation Bracket FB 8WA For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000104).....	41.09	
23 05 66 00-0066 EA Slider Assembly Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000114)	45.68	
23 05 66 00-0067 EA Splice Kit For Horizontal Rows For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000108).....	40.82	
23 05 66 00-0068 EA Gusset Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000115)	33.55	
23 05 66 00-0069 EA ISO "A" Bracket Hanger For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000109).....	31.81	
23 05 66 00-0070 EA DE Boot Kit UV Resistant For 1 DE Fixture For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000223).....	18.23	
23 05 66 00-0071 EA DE Wiring Kit For Up To 65" (DE Bank Install) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000603).....	35.49	
23 05 66 00-0072 EA Cleaning Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000100).....	18.30	
23 05 66 00-0073 EA 480 To 220 Volt AC / 180 VA Step-Down Transformer For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000503).....	67.98	
23 05 66 00-0074 EA Interlock Switch (16 Amps At 125 Volt, 10 Amperes At 250 Volt Maximum Ampacity) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000120).....	71.24	

23 05 93 Testing, Adjusting, and Balancing for HVAC (23 05)

Note: New systems include all necessary testing, startup, and checkout. Use these tasks for testing, startup, and checkout of existing systems or for third party testing and report when required.

23 05 93 00-0001 Heating And Ventilating Equipment (23 05 93)

23 05 93 00-0002 EA Balancing Centrifugal Fans	390.61	
For Testing Of Unit Without Balancing, Deduct	-195.31	
23 05 93 00-0003 EA Balancing Heating And Ventilating Units	488.07	
For Testing Of Unit Without Balancing, Deduct	-244.04	
23 05 93 00-0004 EA Balancing In Line Fan	439.43	
For Testing Of Unit Without Balancing, Deduct	-219.72	
23 05 93 00-0005 EA Balancing Propeller And Wall Fan	97.65	
For Testing Of Unit Without Balancing, Deduct	-48.83	
23 05 93 00-0006 EA Balancing Roof Exhaust Fan	292.94	
For Testing Of Unit Without Balancing, Deduct	-146.47	
23 05 93 00-0007 EA Balancing Wall Fan	73.22	
For Testing Of Unit Without Balancing, Deduct	-36.61	
23 05 93 00-0008 EA Balancing Fan Section Exhaust	389.98	
For Testing Of Unit Without Balancing, Deduct	-194.99	

23 05 93 00-0009 Air Conditioning Equipment (23 05 93)

23 05 93 00-0010 EA Balancing Constant Volume Air Handling Unit	747.18	
For Testing Of Unit Without Balancing, Deduct	-373.59	
23 05 93 00-0011 EA Balancing Package A/C Unit	280.20	
For Testing Of Unit Without Balancing, Deduct	-140.10	
23 05 93 00-0012 EA Balancing Rooftop Heat And Cool Unit	373.59	
For Testing Of Unit Without Balancing, Deduct	-186.80	
23 05 93 00-0013 EA Balancing Variable Volume Air Handling Unit	1,307.56	
For Testing Of Unit Without Balancing, Deduct	-653.78	

23 05 93 00-0014 Registers, Diffusers, Terminal Air Units And Dampers (23 05 93)

23 05 93 00-0015 EA Balancing HVAC Duct System, Ceiling Height To 12' Supply, Return, Exhaust, Register And Diffuser	73.24	
For Testing Of Unit Without Balancing, Deduct	-36.62	
23 05 93 00-0016 EA Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser	122.07	
For Testing Of Unit Without Balancing, Deduct	-61.04	
23 05 93 00-0017 EA Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser	63.47	
For Testing Of Unit Without Balancing, Deduct	-31.74	
23 05 93 00-0018 EA Balance Variable Air Volume Box	68.77	
For Testing Of Unit Without Balancing, Deduct	-34.39	
23 05 93 00-0019 EA Balance Constant Volume Box	68.77	
For Testing Of Unit Without Balancing, Deduct	-34.39	
23 05 93 00-0020 EA Balance Fan Powered Box	78.12	
For Testing Of Unit Without Balancing, Deduct	-39.06	
23 05 93 00-0021 EA Balance Lab Fume Hood	317.38	
For Testing Of Unit Without Balancing, Deduct	-158.69	
23 05 93 00-0022 EA Balance General Hood	244.13	
For Testing Of Unit Without Balancing, Deduct	-122.07	
23 05 93 00-0023 EA Balance Induction Unit	146.49	
For Testing Of Unit Without Balancing, Deduct	-73.25	
23 05 93 00-0024 EA Balance Moduline - Master	58.58	
For Testing Of Unit Without Balancing, Deduct	-29.29	
23 05 93 00-0025 EA Balance Moduline - Slave	29.30	
For Testing Of Unit Without Balancing, Deduct	-14.65	
23 05 93 00-0026 EA Balance Dampers	27.20	
For Testing Of Unit Without Balancing, Deduct	-13.60	
23 05 93 00-0027 EA Balance Regenerators	389.98	
For Testing Of Unit Without Balancing, Deduct	-194.99	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 93 Testing, Adjusting, and Balancing for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0028 Water Balancing Of Components (23 05 93)		
23 05 93 00-0029 EA Water Balance, Air Cool Condenser	513.73	
For Testing Of Unit Without Balancing, Deduct	-256.87	
23 05 93 00-0030 EA Water Balance, Cabinet Heater	65.38	
For Testing Of Unit Without Balancing, Deduct	-32.69	
23 05 93 00-0031 EA Water Balance, Chiller, Air Cooled	560.34	
For Testing Of Unit Without Balancing, Deduct	-280.17	
23 05 93 00-0032 EA Water Balance, Chiller, Water Cooled	747.18	
For Testing Of Unit Without Balancing, Deduct	-373.59	
23 05 93 00-0033 EA Water Balance, Cooling Tower	373.59	
For Testing Of Unit Without Balancing, Deduct	-186.80	
23 05 93 00-0034 EA Water Balance, Fan Coil And Vent	93.45	
For Testing Of Unit Without Balancing, Deduct	-46.73	
23 05 93 00-0035 EA Water Balance, Fin Tube And Radiant Panel	93.40	
For Testing Of Unit Without Balancing, Deduct	-46.70	
23 05 93 00-0036 EA Water Balance, Main And Duct Re-Heat Coil	102.74	
For Testing Of Unit Without Balancing, Deduct	-51.37	
23 05 93 00-0037 EA Water Balance, Pumps	280.21	
For Testing Of Unit Without Balancing, Deduct	-140.11	
23 05 93 00-0038 EA Water Balance, Unit Heater	65.38	
For Testing Of Unit Without Balancing, Deduct	-32.69	
23 05 93 00-0039 EA Water Balancing, Converter	280.31	
For Testing Of Unit Without Balancing, Deduct	-140.16	
23 05 93 00-0040 EA Water Balancing, Cocks And Valves	46.69	
For Testing Of Unit Without Balancing, Deduct	-23.35	
23 05 93 00-0041 EA Water Balance, Convactor	56.03	
For Testing Of Unit Without Balancing, Deduct	-28.02	
23 05 93 00-0042 EA Water Balancing, Backflow Preventer Or Reduced Pressure Zone Valves	70.05	
For Testing Of Unit Without Balancing, Deduct	-35.03	
23 05 93 00-0043 EA Water Balance, Boiler, Up To 500 MBH	607.08	
For Testing Of Unit Without Balancing, Deduct	-303.54	
23 05 93 00-0044 EA >500 To 1,000 MBH, Water Balance, Boiler	1,120.77	
For Testing Of Unit Without Balancing, Deduct	-560.39	
23 05 93 00-0045 EA >1,000 MBH, Water Balance, Boiler	2,054.75	
For Testing Of Unit Without Balancing, Deduct	-1,027.38	
23 05 93 00-0046 Non Destructive Testing (23 05 93)		
23 05 93 00-0047 X-Ray Welds, Non-Destructive Testing (23 05 93 00-0046)		
23 05 93 00-0048 X-Ray Welds Minimum Set-Up Charge (23 05 93 00-0047)		
23 05 93 00-0049 EA X-Ray Welds Minimum Set-Up Charge	749.29	
Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
23 05 93 00-0050 Piping, X-Ray Welds, Non Destructive Testing (23 05 93 00-0047)		
23 05 93 00-0051 EA Up To 3/4" Piping, X-Ray Welds, Non Destructive Testing	76.54	
23 05 93 00-0052 EA 1" Piping, X-Ray Welds, Non Destructive Testing	87.14	
23 05 93 00-0053 EA 1-1/4" - 1-1/2" Piping, X-Ray Welds, Non Destructive Testing	97.74	
23 05 93 00-0054 EA 2" Piping, X-Ray Welds, Non Destructive Testing	103.28	
23 05 93 00-0055 EA 3" Piping, X-Ray Welds, Non Destructive Testing	108.82	
23 05 93 00-0056 EA 4" Piping, X-Ray Welds, Non Destructive Testing	114.80	
23 05 93 00-0057 EA 6" Piping, X-Ray Welds, Non Destructive Testing	125.87	
23 05 93 00-0058 EA 8" Piping, X-Ray Welds, Non Destructive Testing	136.94	
23 05 93 00-0059 EA 10" Piping, X-Ray Welds, Non Destructive Testing	142.93	
23 05 93 00-0060 EA 12" Piping, X-Ray Welds, Non Destructive Testing	148.93	
23 05 93 00-0061 Liquid Penetration Of Welds, Non Destructive Testing (23 05 93 00-0046)		
23 05 93 00-0062 Piping, Liquid Penetration Of Welds, Non Destructive Testing (23 05 93 00-0061)		
23 05 93 00-0063 EA Up To 3/4" Piping, Liquid Penetration Of Welds, Non Destructive Testing	89.19	
23 05 93 00-0064 EA 1" Piping, Liquid Penetration Of Welds, Non Destructive Testing	94.26	
23 05 93 00-0065 EA 1-1/4" - 1-1/2" Piping, Liquid Penetration Of Welds, Non Destructive Testing	99.32	
23 05 93 00-0066 EA 2" Piping, Liquid Penetration Of Welds, Non Destructive Testing	101.86	
23 05 93 00-0067 EA 3" Piping, Liquid Penetration Of Welds, Non Destructive Testing	105.67	
23 05 93 00-0068 EA 4" Piping, Liquid Penetration Of Welds, Non Destructive Testing	109.47	
23 05 93 00-0069 EA 6" Piping, Liquid Penetration Of Welds, Non Destructive Testing	117.07	
23 05 93 00-0070 EA 8" Piping, Liquid Penetration Of Welds, Non Destructive Testing	124.67	
23 05 93 00-0071 EA 10" Piping, Liquid Penetration Of Welds, Non Destructive Testing	132.28	
23 05 93 00-0072 EA 12" Piping, Liquid Penetration Of Welds, Non Destructive Testing	139.89	
23 05 93 00-0073 Hydrostatic Testing (23 05 93 00-0046)		
Note: Includes flushing and restoring of system.		
23 05 93 00-0074 Piping, Hydrostatic Testing (23 05 93 00-0073)		
23 05 93 00-0075 EA Up To 100', Up To 1-1/2" Piping, Hydrostatic Testing	667.07	
23 05 93 00-0076 EA >100' To 250', Up To 1-1/2" Piping, Hydrostatic Testing	952.95	
23 05 93 00-0077 EA >250' To 500', Up To 1-1/2" Piping, Hydrostatic Testing	1,141.82	
23 05 93 00-0078 EA >500' To 1,000', Up To 1-1/2" Piping, Hydrostatic Testing	1,520.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0079 EA >1,000' To 2,000', Up To 1-1/2" Piping, Hydrostatic Testing.....	2,304.40	
23 05 93 00-0080 EA Up To 100', >1-1/2" To 4" Piping, Hydrostatic Testing.....	886.93	
23 05 93 00-0081 EA >100' To 250', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,267.42	
23 05 93 00-0082 EA >250' To 500', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,508.83	
23 05 93 00-0083 EA >500' To 1,000', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,977.16	
23 05 93 00-0084 EA >1,000' To 2,000', >1-1/2" To 4" Piping, Hydrostatic Testing.....	2,991.11	
23 05 93 00-0085 EA Up To 100', >4" To 10" Piping, Hydrostatic Testing.....	1,155.89	
23 05 93 00-0086 EA >100' To 250', >4" To 10" Piping, Hydrostatic Testing.....	1,647.65	
23 05 93 00-0087 EA >250' To 500', >4" To 10" Piping, Hydrostatic Testing.....	1,746.49	
23 05 93 00-0088 EA >500' To 1,000', >4" To 10" Piping, Hydrostatic Testing.....	2,288.04	
23 05 93 00-0089 EA >1,000' To 2,000', >4" To 10" Piping, Hydrostatic Testing.....	3,461.37	
23 05 93 00-0090 EA Up To 100', >10" To 14" Piping, Hydrostatic Testing.....	1,500.63	
23 05 93 00-0091 EA >100' To 250', >10" To 14" Piping, Hydrostatic Testing.....	2,139.40	
23 05 93 00-0092 EA >250' To 500', >10" To 14" Piping, Hydrostatic Testing.....	2,270.88	
23 05 93 00-0093 EA >500' To 1,000', >10" To 14" Piping, Hydrostatic Testing.....	2,978.50	
23 05 93 00-0094 EA >1,000' To 2,000', >10" To 14" Piping, Hydrostatic Testing.....	4,512.89	

23 05 93 00-0095 **Pneumatic Testing** (23 05 93 00-0046)
Note: Includes soaping joints flushing and restoring of system. Can be used for gas or smoke test.

23 05 93 00-0096 Piping, Pneumatic Testing (23 05 93 00-0085)	
23 05 93 00-0097 EA Up To 100', Up To 1-1/2" Piping, Pneumatic Testing.....	758.64
Note: Includes soaping joints.	
23 05 93 00-0098 EA >100' To 250', Up To 1-1/2" Piping, Pneumatic Testing.....	1,082.48
Note: Includes soaping joints.	
23 05 93 00-0099 EA >250' To 500', Up To 1-1/2" Piping, Pneumatic Testing.....	1,169.57
Note: Includes soaping joints.	
23 05 93 00-0100 EA >500' To 1,000', Up To 1-1/2" Piping, Pneumatic Testing.....	1,498.11
Note: Includes soaping joints.	
23 05 93 00-0101 EA >1,000' To 2,000', Up To 1-1/2" Piping, Pneumatic Testing.....	2,343.38
Note: Includes soaping joints.	
23 05 93 00-0102 EA Up To 100', >1-1/2" To 4" Piping, Pneumatic Testing.....	989.91
Note: Includes soaping joints.	
23 05 93 00-0103 EA >100' To 250', >1-1/2" To 4" Piping, Pneumatic Testing.....	1,405.62
Note: Includes soaping joints.	
23 05 93 00-0104 EA >250' To 500', >1-1/2" To 4" Piping, Pneumatic Testing.....	1,520.34
Note: Includes soaping joints.	
23 05 93 00-0105 EA >500' To 1,000', >1-1/2" To 4" Piping, Pneumatic Testing.....	1,947.94
Note: Includes soaping joints.	
23 05 93 00-0106 EA >1,000' To 2,000', >1-1/2" To 4" Piping, Pneumatic Testing.....	3,045.95
Note: Includes soaping joints.	
23 05 93 00-0107 EA Up To 100', >4" To 10" Piping, Pneumatic Testing.....	1,192.39
Note: Includes soaping joints.	
23 05 93 00-0108 EA >100' To 250', >4" To 10" Piping, Pneumatic Testing.....	1,682.73
Note: Includes soaping joints.	
23 05 93 00-0109 EA >250' To 500', >4" To 10" Piping, Pneumatic Testing.....	1,912.09
Note: Includes soaping joints.	
23 05 93 00-0110 EA >500' To 1,000', >4" To 10" Piping, Pneumatic Testing.....	2,443.25
Note: Includes soaping joints.	
23 05 93 00-0111 EA >1,000' To 2,000', >4" To 10" Piping, Pneumatic Testing.....	3,826.01
Note: Includes soaping joints.	
23 05 93 00-0112 EA Up To 100', >10" To 14" Piping, Pneumatic Testing.....	1,552.61
Note: Includes soaping joints.	
23 05 93 00-0113 EA >100' To 250', >10" To 14" Piping, Pneumatic Testing.....	2,187.70
Note: Includes soaping joints.	
23 05 93 00-0114 EA >250' To 500', >10" To 14" Piping, Pneumatic Testing.....	2,486.49
Note: Includes soaping joints.	
23 05 93 00-0115 EA >500' To 1,000', >10" To 14" Piping, Pneumatic Testing.....	3,176.87
Note: Includes soaping joints.	
23 05 93 00-0116 EA >1,000' To 2,000', >10" To 14" Piping, Pneumatic Testing.....	4,981.85
Note: Includes soaping joints.	

23 05 93 00-0117 EPA Testing Of Sludge (23 05 93)	
23 05 93 00-0118 EA Flashpoint And Lead Test For Lead.....	704.29
23 05 93 00-0119 EA Air Test/Combustion Gas Level.....	76.21
23 05 93 00-0120 EA Toxicity Test For Heavy Metals.....	1,079.59
23 05 93 00-0121 EA Aboveground Tank Water Settlement Test Including Water.....	820.09

23 07 HVAC Insulation (23)

23 07 13 Duct Insulation (23 07)

Note: Based on SF surface area of duct to receive insulation.

23 07 13 00-0001 FSK Fiber Glass Duct Wrap Insulation (23 07 13)	
Note: Foil-scrim kraft (FSK) facing lapped and joints sealed vapor tight.	
23 07 13 00-0002 Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)	
23 07 13 00-0003 SF 1" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	2.71
For Plain Blanket, With No Facing, Deduct	-0.13
For Work In Restricted Working Space, Add	0.72

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 07 HVAC Insulation****23 07 13 Duct Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0004 SF 1-1/2" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	3.16 -0.14 0.84	1.80
23 07 13 00-0005 SF 2" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation..... <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	3.60 -0.16 0.96	2.69
23 07 13 00-0006 SF 3" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation..... <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	4.24 -0.20 1.13	3.15
23 07 13 00-0007 SF 4" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation..... <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	4.82 -0.31 1.22	3.41
23 07 13 00-0008 Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)		
23 07 13 00-0009 SF 1" Thick, Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation..... <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	3.36 -0.14 0.90	2.69
23 07 13 00-0010 SF 1-1/2" Thick, Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	3.89 -0.18 1.04	3.15
23 07 13 00-0011 SF 2" Thick, Type 100 (1.0 LB/CF) Fiber Glass FSK Duct Wrap Insulation..... <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	4.61 -0.21 1.23	3.59
23 07 13 00-0012 Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)		
23 07 13 00-0013 SF 1" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation..... <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	4.23 -0.25 1.08	3.59
23 07 13 00-0014 SF 1-1/2" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	5.19 -0.43 1.24	4.05
23 07 13 00-0015 SF 2" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation..... <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	6.05 -0.50 1.44	4.49
23 07 13 00-0016 3 LB/CF FSK Rigid Fiber Glass Board Insulation (23 07 13)		
Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fasteners.		
23 07 13 00-0017 SF 1" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> <i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> <i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i> <i>For Work In Restricted Working Space, Add</i>	8.56 19.56 14.55 11.98 2.39	4.79
23 07 13 00-0018 SF 1-1/2" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> <i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> <i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.07 24.26 18.35 15.03 2.91	5.83
23 07 13 00-0019 SF 2" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> <i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> <i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.85 29.60 22.63 18.48 3.51	7.04
23 07 13 00-0020 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation (23 07 13)		
Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fastener.		
23 07 13 00-0021 SF 1" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For Work In Restricted Working Space, Add</i>	9.64 2.63	5.28
23 07 13 00-0022 SF 1-1/2" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For Work In Restricted Working Space, Add</i>	12.60 3.20	6.42
23 07 13 00-0023 SF 2" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For Work In Restricted Working Space, Add</i>	16.26 3.86	7.74
23 07 13 00-0024 Sheet Flexible Elastomeric Insulation (23 07 13)		
23 07 13 00-0025 SF 3/8" Thick, Sheet Flexible Elastomeric Insulation.....	7.90	2.42
23 07 13 00-0026 SF 1/2" Thick, Sheet Flexible Elastomeric Insulation.....	8.43	2.56
23 07 13 00-0027 SF 3/4" Thick, Sheet Flexible Elastomeric Insulation.....	11.21	2.69
23 07 13 00-0028 SF 1" Thick, Sheet Flexible Elastomeric Insulation.....	12.98	2.82
23 07 13 00-0029 SF 1-1/2" Thick, Sheet Flexible Elastomeric Insulation	18.17	3.10
23 07 13 00-0030 SF 2" Thick, Sheet Flexible Elastomeric Insulation.....	21.54	3.37
23 07 13 00-0031 Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation (23 07 13)		
Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0032 SF 1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	11.90	2.56
23 07 13 00-0033 SF 3/4" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	13.12	2.69
23 07 13 00-0034 SF 1" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	14.65	2.82
23 07 13 00-0035 SF 1-1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	23.15	3.10

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Insulation 23 07

Duct Insulation 23 07 13

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0036 SF 2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	27.49	3.37
23 07 13 00-0037 Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation (23 07 13)		
Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0038 SF 1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	14.37	2.56
23 07 13 00-0039 SF 3/4" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	15.59	2.69
23 07 13 00-0040 SF 1" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	17.55	2.82
23 07 13 00-0041 SF 1-1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	26.02	3.10
23 07 16 HVAC Equipment Insulation (23 07)		
23 07 16 00-0001 Calcium Silicate Block Insulation (23 07 16)		
23 07 16 00-0002 SF 1" Thick, Calcium Silicate Block Insulation.....	14.59	5.76
For Work In Restricted Working Space, Add	3.45	
23 07 16 00-0003 SF 1-1/2" Thick, Calcium Silicate Block Insulation	17.58	6.48
For Work In Restricted Working Space, Add	3.89	
23 07 16 00-0004 SF 2" Thick, Calcium Silicate Block Insulation.....	21.15	7.47
For Work In Restricted Working Space, Add	4.50	
23 07 16 00-0005 SF 2-1/2" Thick, Calcium Silicate Block Insulation	25.25	8.77
For Work In Restricted Working Space, Add	5.27	
23 07 16 00-0006 SF 3" Thick, Calcium Silicate Block Insulation.....	30.83	10.80
For Work In Restricted Working Space, Add	6.48	
23 07 19 HVAC Piping Insulation (23 07)		
See CSI section 22 07 19 00-0000 for pipe insulation.		
23 07 19 00-0001 Calcium Silicate Pipe Insulation (23 07 19)		
Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0492 for protective jacketing.		
23 07 19 00-0002 1" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0003 LF 1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation.....	12.82	2.96
For Work In Restricted Working Space, Add	2.21	
23 07 19 00-0004 LF 3/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation.....	12.82	2.96
For Work In Restricted Working Space, Add	2.21	
23 07 19 00-0005 LF 1" Diameter Pipe, 1" Thick Calcium Silicate Insulation.....	12.70	3.00
For Work In Restricted Working Space, Add	2.25	
23 07 19 00-0006 LF 1-1/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	12.90	3.04
For Work In Restricted Working Space, Add	2.28	
23 07 19 00-0007 LF 1-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	13.05	3.08
For Work In Restricted Working Space, Add	2.31	
23 07 19 00-0008 LF 2" Diameter Pipe, 1" Thick Calcium Silicate Insulation.....	14.08	3.17
For Work In Restricted Working Space, Add	2.37	
23 07 19 00-0009 LF 2-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.75	3.29
For Work In Restricted Working Space, Add	2.47	
23 07 19 00-0010 LF 3" Diameter Pipe, 1" Thick Calcium Silicate Insulation.....	15.45	3.38
For Work In Restricted Working Space, Add	2.53	
23 07 19 00-0011 LF 4" Diameter Pipe, 1" Thick Calcium Silicate Insulation.....	17.85	3.63
For Work In Restricted Working Space, Add	2.73	
23 07 19 00-0012 LF 6" Diameter Pipe, 1" Thick Calcium Silicate Insulation.....	19.83	4.11
For Work In Restricted Working Space, Add	3.08	
23 07 19 00-0013 1-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0014 LF 1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	13.44	3.08
For Work In Restricted Working Space, Add	2.31	
23 07 19 00-0015 LF 3/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	13.53	3.08
For Work In Restricted Working Space, Add	2.31	
23 07 19 00-0016 LF 1" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	14.53	3.26
For Work In Restricted Working Space, Add	2.45	
23 07 19 00-0017 LF 1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	15.17	3.32
For Work In Restricted Working Space, Add	2.49	
23 07 19 00-0018 LF 1-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	15.83	3.38
For Work In Restricted Working Space, Add	2.54	
23 07 19 00-0019 LF 2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	17.05	3.57
For Work In Restricted Working Space, Add	2.68	
23 07 19 00-0020 LF 2-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	17.95	3.63
For Work In Restricted Working Space, Add	2.72	
23 07 19 00-0021 LF 3" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	18.64	3.75
For Work In Restricted Working Space, Add	2.81	
23 07 19 00-0022 LF 4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	20.88	4.06
For Work In Restricted Working Space, Add	3.04	
23 07 19 00-0023 LF 6" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	24.19	4.73
For Work In Restricted Working Space, Add	3.55	
23 07 19 00-0024 LF 8" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	28.86	4.99
For Work In Restricted Working Space, Add	3.75	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 07 HVAC Insulation****23 07 19 HVAC Piping Insulation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0025	LF	10" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	36.63	5.98
		<i>For Work In Restricted Working Space, Add</i>	4.49	
23 07 19 00-0026	LF	12" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	43.13	6.97
		<i>For Work In Restricted Working Space, Add</i>	5.22	
23 07 19 00-0027	LF	14" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	48.15	7.64
		<i>For Work In Restricted Working Space, Add</i>	5.73	
23 07 19 00-0028	LF	16" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	56.83	9.72
		<i>For Work In Restricted Working Space, Add</i>	7.29	
23 07 19 00-0029	LF	18" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	61.47	10.20
		<i>For Work In Restricted Working Space, Add</i>	7.65	
23 07 19 00-0030 2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)				
23 07 19 00-0031	LF	1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	17.53	3.38
		<i>For Work In Restricted Working Space, Add</i>	2.53	
23 07 19 00-0032	LF	3/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	18.02	3.38
		<i>For Work In Restricted Working Space, Add</i>	2.53	
23 07 19 00-0033	LF	1" Diameter Pipe, 2" Thick Calcium Silicate Insulation	18.65	3.42
		<i>For Work In Restricted Working Space, Add</i>	2.57	
23 07 19 00-0034	LF	1-1/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	19.49	3.46
		<i>For Work In Restricted Working Space, Add</i>	2.60	
23 07 19 00-0035	LF	1-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	20.05	3.51
		<i>For Work In Restricted Working Space, Add</i>	2.63	
23 07 19 00-0036	LF	2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	20.93	3.63
		<i>For Work In Restricted Working Space, Add</i>	2.73	
23 07 19 00-0037	LF	2-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	23.66	3.76
		<i>For Work In Restricted Working Space, Add</i>	2.82	
23 07 19 00-0038	LF	3" Diameter Pipe, 2" Thick Calcium Silicate Insulation	24.04	3.89
		<i>For Work In Restricted Working Space, Add</i>	2.92	
23 07 19 00-0039	LF	4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	26.81	4.11
		<i>For Work In Restricted Working Space, Add</i>	3.08	
23 07 19 00-0040	LF	6" Diameter Pipe, 2" Thick Calcium Silicate Insulation	32.95	4.92
		<i>For Work In Restricted Working Space, Add</i>	3.70	
23 07 19 00-0041	LF	8" Diameter Pipe, 2" Thick Calcium Silicate Insulation	37.56	5.20
		<i>For Work In Restricted Working Space, Add</i>	3.90	
23 07 19 00-0042	LF	10" Diameter Pipe, 2" Thick Calcium Silicate Insulation	46.42	6.22
		<i>For Work In Restricted Working Space, Add</i>	4.67	
23 07 19 00-0043	LF	12" Diameter Pipe, 2" Thick Calcium Silicate Insulation	52.91	7.46
		<i>For Work In Restricted Working Space, Add</i>	5.59	
23 07 19 00-0044	LF	14" Diameter Pipe, 2" Thick Calcium Silicate Insulation	63.70	10.40
		<i>For Work In Restricted Working Space, Add</i>	7.80	
23 07 19 00-0045	LF	16" Diameter Pipe, 2" Thick Calcium Silicate Insulation	67.56	10.40
		<i>For Work In Restricted Working Space, Add</i>	7.80	
23 07 19 00-0046	LF	18" Diameter Pipe, 2" Thick Calcium Silicate Insulation	72.63	10.92
		<i>For Work In Restricted Working Space, Add</i>	8.19	
23 07 19 00-0047	LF	20" Diameter Pipe, 2" Thick Calcium Silicate Insulation	87.03	12.48
		<i>For Work In Restricted Working Space, Add</i>	9.36	
23 07 19 00-0048	LF	24" Diameter Pipe, 2" Thick Calcium Silicate Insulation	100.88	15.07
		<i>For Work In Restricted Working Space, Add</i>	11.31	
23 07 19 00-0049 2-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)				
23 07 19 00-0050	LF	1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	21.17	3.89
		<i>For Work In Restricted Working Space, Add</i>	2.93	
23 07 19 00-0051	LF	3/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	21.69	3.89
		<i>For Work In Restricted Working Space, Add</i>	2.93	
23 07 19 00-0052	LF	1" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	22.07	3.95
		<i>For Work In Restricted Working Space, Add</i>	2.97	
23 07 19 00-0053	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	22.29	3.99
		<i>For Work In Restricted Working Space, Add</i>	2.99	
23 07 19 00-0054	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	22.92	4.02
		<i>For Work In Restricted Working Space, Add</i>	3.02	
23 07 19 00-0055	LF	2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	23.89	4.19
		<i>For Work In Restricted Working Space, Add</i>	3.14	
23 07 19 00-0056	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	27.20	4.33
		<i>For Work In Restricted Working Space, Add</i>	3.25	
23 07 19 00-0057	LF	3" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	27.58	4.48
		<i>For Work In Restricted Working Space, Add</i>	3.36	
23 07 19 00-0058	LF	4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	32.25	4.72
		<i>For Work In Restricted Working Space, Add</i>	3.54	
23 07 19 00-0059	LF	6" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	40.62	5.37
		<i>For Work In Restricted Working Space, Add</i>	4.03	
23 07 19 00-0060	LF	8" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	46.48	5.99
		<i>For Work In Restricted Working Space, Add</i>	4.49	
23 07 19 00-0061	LF	10" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	55.73	6.90
		<i>For Work In Restricted Working Space, Add</i>	5.18	
23 07 19 00-0062	LF	12" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	64.37	8.59
		<i>For Work In Restricted Working Space, Add</i>	6.44	
23 07 19 00-0063	LF	14" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	71.32	9.37
		<i>For Work In Restricted Working Space, Add</i>	7.03	
23 07 19 00-0064	LF	16" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	86.04	11.98
		<i>For Work In Restricted Working Space, Add</i>	8.98	
23 07 19 00-0065	LF	18" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	90.93	12.57
		<i>For Work In Restricted Working Space, Add</i>	9.43	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Insulation 23 07

HVAC Piping Insulation 23 07 19

23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0066	LF	20" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	105.68	14.38
		<i>For Work In Restricted Working Space, Add</i>	10.78	
23 07 19 00-0067	LF	24" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	123.74	17.36
		<i>For Work In Restricted Working Space, Add</i>	13.02	
23 07 19 00-0068 3" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)				
23 07 19 00-0069	LF	1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation.....	27.25	4.31
		<i>For Work In Restricted Working Space, Add</i>	3.23	
23 07 19 00-0070	LF	3/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation.....	27.36	4.31
		<i>For Work In Restricted Working Space, Add</i>	3.23	
23 07 19 00-0071	LF	1" Diameter Pipe, 3" Thick Calcium Silicate Insulation.....	27.60	4.36
		<i>For Work In Restricted Working Space, Add</i>	3.27	
23 07 19 00-0072	LF	1-1/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	27.91	4.39
		<i>For Work In Restricted Working Space, Add</i>	3.29	
23 07 19 00-0073	LF	1-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	28.17	4.43
		<i>For Work In Restricted Working Space, Add</i>	3.33	
23 07 19 00-0074	LF	2" Diameter Pipe, 3" Thick Calcium Silicate Insulation.....	29.11	4.60
		<i>For Work In Restricted Working Space, Add</i>	3.45	
23 07 19 00-0075	LF	2-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	32.61	4.76
		<i>For Work In Restricted Working Space, Add</i>	3.57	
23 07 19 00-0076	LF	3" Diameter Pipe, 3" Thick Calcium Silicate Insulation.....	33.20	4.92
		<i>For Work In Restricted Working Space, Add</i>	3.70	
23 07 19 00-0077	LF	4" Diameter Pipe, 3" Thick Calcium Silicate Insulation.....	39.68	5.21
		<i>For Work In Restricted Working Space, Add</i>	3.90	
23 07 19 00-0078	LF	6" Diameter Pipe, 3" Thick Calcium Silicate Insulation.....	47.31	5.90
		<i>For Work In Restricted Working Space, Add</i>	4.43	
23 07 19 00-0079	LF	8" Diameter Pipe, 3" Thick Calcium Silicate Insulation.....	55.21	6.58
		<i>For Work In Restricted Working Space, Add</i>	4.94	
23 07 19 00-0080	LF	10" Diameter Pipe, 3" Thick Calcium Silicate Insulation.....	65.78	7.60
		<i>For Work In Restricted Working Space, Add</i>	5.70	
23 07 19 00-0081	LF	12" Diameter Pipe, 3" Thick Calcium Silicate Insulation.....	75.37	9.44
		<i>For Work In Restricted Working Space, Add</i>	7.08	
23 07 19 00-0082	LF	14" Diameter Pipe, 3" Thick Calcium Silicate Insulation.....	83.82	10.31
		<i>For Work In Restricted Working Space, Add</i>	7.73	
23 07 19 00-0083	LF	16" Diameter Pipe, 3" Thick Calcium Silicate Insulation.....	97.07	13.18
		<i>For Work In Restricted Working Space, Add</i>	9.88	
23 07 19 00-0084	LF	18" Diameter Pipe, 3" Thick Calcium Silicate Insulation.....	105.01	13.83
		<i>For Work In Restricted Working Space, Add</i>	10.37	
23 07 19 00-0085	LF	20" Diameter Pipe, 3" Thick Calcium Silicate Insulation.....	123.30	15.82
		<i>For Work In Restricted Working Space, Add</i>	11.86	
23 07 19 00-0086	LF	24" Diameter Pipe, 3" Thick Calcium Silicate Insulation.....	145.49	19.11
		<i>For Work In Restricted Working Space, Add</i>	14.33	
23 07 19 00-0087 3-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)				
23 07 19 00-0088	LF	1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	35.43	4.72
		<i>For Work In Restricted Working Space, Add</i>	3.54	
23 07 19 00-0089	LF	3/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	36.92	4.72
		<i>For Work In Restricted Working Space, Add</i>	3.54	
23 07 19 00-0090	LF	1" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	37.00	4.75
		<i>For Work In Restricted Working Space, Add</i>	3.57	
23 07 19 00-0091	LF	1-1/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	37.08	4.79
		<i>For Work In Restricted Working Space, Add</i>	3.59	
23 07 19 00-0092	LF	1-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	38.33	4.85
		<i>For Work In Restricted Working Space, Add</i>	3.64	
23 07 19 00-0093	LF	2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	40.79	5.01
		<i>For Work In Restricted Working Space, Add</i>	3.76	
23 07 19 00-0094	LF	2-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	44.53	5.19
		<i>For Work In Restricted Working Space, Add</i>	3.89	
23 07 19 00-0095	LF	3" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	46.11	5.37
		<i>For Work In Restricted Working Space, Add</i>	4.03	
23 07 19 00-0096	LF	4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	52.93	5.68
		<i>For Work In Restricted Working Space, Add</i>	4.26	
23 07 19 00-0097	LF	6" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	58.95	6.45
		<i>For Work In Restricted Working Space, Add</i>	4.83	
23 07 19 00-0098	LF	8" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	72.40	7.18
		<i>For Work In Restricted Working Space, Add</i>	5.39	
23 07 19 00-0099	LF	10" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	88.38	8.28
		<i>For Work In Restricted Working Space, Add</i>	6.21	
23 07 19 00-0100	LF	12" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	106.76	10.30
		<i>For Work In Restricted Working Space, Add</i>	7.73	
23 07 19 00-0101	LF	14" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	112.11	11.24
		<i>For Work In Restricted Working Space, Add</i>	8.43	
23 07 19 00-0102	LF	16" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	129.58	14.37
		<i>For Work In Restricted Working Space, Add</i>	10.78	
23 07 19 00-0103	LF	18" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	150.15	15.09
		<i>For Work In Restricted Working Space, Add</i>	11.32	
23 07 19 00-0104	LF	20" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	161.13	17.26
		<i>For Work In Restricted Working Space, Add</i>	12.95	
23 07 19 00-0105 4" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)				

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 07 HVAC Insulation****23 07 19 HVAC Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0106 LF 1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation.....	44.84	5.25
For Work In Restricted Working Space, Add	3.94	
23 07 19 00-0107 LF 3/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation.....	44.89	5.25
For Work In Restricted Working Space, Add	3.94	
23 07 19 00-0108 LF 1" Diameter Pipe, 4" Thick Calcium Silicate Insulation.....	45.12	5.34
For Work In Restricted Working Space, Add	4.01	
23 07 19 00-0109 LF 1-1/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation.....	46.44	5.40
For Work In Restricted Working Space, Add	4.05	
23 07 19 00-0110 LF 1-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation.....	49.32	5.57
For Work In Restricted Working Space, Add	4.18	
23 07 19 00-0111 LF 2" Diameter Pipe, 4" Thick Calcium Silicate Insulation.....	50.29	5.74
For Work In Restricted Working Space, Add	4.31	
23 07 19 00-0112 LF 2-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation.....	55.32	5.83
For Work In Restricted Working Space, Add	4.37	
23 07 19 00-0113 LF 3" Diameter Pipe, 4" Thick Calcium Silicate Insulation.....	56.88	6.04
For Work In Restricted Working Space, Add	4.53	
23 07 19 00-0114 LF 4" Diameter Pipe, 4" Thick Calcium Silicate Insulation.....	65.01	6.39
For Work In Restricted Working Space, Add	4.79	
23 07 19 00-0115 LF 6" Diameter Pipe, 4" Thick Calcium Silicate Insulation.....	75.34	7.24
For Work In Restricted Working Space, Add	5.43	
23 07 19 00-0116 LF 8" Diameter Pipe, 4" Thick Calcium Silicate Insulation.....	90.28	8.08
For Work In Restricted Working Space, Add	6.06	
23 07 19 00-0117 LF 10" Diameter Pipe, 4" Thick Calcium Silicate Insulation.....	103.92	9.33
For Work In Restricted Working Space, Add	7.00	
23 07 19 00-0118 LF 12" Diameter Pipe, 4" Thick Calcium Silicate Insulation.....	117.45	11.58
For Work In Restricted Working Space, Add	8.69	
23 07 19 00-0119 LF 14" Diameter Pipe, 4" Thick Calcium Silicate Insulation.....	124.62	12.66
For Work In Restricted Working Space, Add	9.50	
23 07 19 00-0120 LF 16" Diameter Pipe, 4" Thick Calcium Silicate Insulation.....	146.46	16.18
For Work In Restricted Working Space, Add	12.14	
23 07 19 00-0121 LF 18" Diameter Pipe, 4" Thick Calcium Silicate Insulation.....	155.99	16.96
For Work In Restricted Working Space, Add	12.72	
23 07 19 00-0122 LF 20" Diameter Pipe, 4" Thick Calcium Silicate Insulation.....	172.05	19.41
For Work In Restricted Working Space, Add	14.56	
23 07 19 00-0123 Weather-Protective Coating For Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0124 SF 1/4" Thick (Two 1/8" Coats), Weatherproof Coating Over Glass Cloth Mesh (Insulkote ET)	4.29	
For Work In Restricted Working Space, Add	0.83	
23 08 Commissioning of HVAC (23)		
See CSI section 23 05 93 00-0000 for testing and balancing.		
23 09 Instrumentation and Control for HVAC (23)		
23 09 23 Direct-Digital Control System for HVAC (23 09)		
23 09 23 11 Control Valves (23 09 23)		
23 09 23 11-0001 Valves With Actuator (23 09 23 11)		
23 09 23 11-0002 EA 1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G215+NV24-MFT US).....	530.40	13.08
23 09 23 11-0003 EA 3/4" 2-Way Bronze Globe Valve With Actuator (Belimo G220+NV24-MFT US).....	549.93	17.64
23 09 23 11-0004 EA 1" 2-Way Bronze Globe Valve With Actuator (Belimo B225+NV24-MFT US).....	602.58	21.35
23 09 23 11-0005 EA 1-1/4" 2-Way Bronze Globe Valve With Actuator (Belimo B232+NV24-MFT US).....	658.85	27.04
23 09 23 11-0006 EA 1-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G240+NV24-MFT US).....	750.62	31.20
23 09 23 11-0007 EA 2" 2-Way Bronze Globe Valve With Actuator (Belimo G250+NV24-MFT US).....	848.89	36.87
23 09 23 11-0008 EA 2-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G665+GMX24-MFTX1).....	1,589.27	73.74
23 09 23 11-0009 EA 3" 2-Way Bronze Globe Valve With Actuator (Belimo G680+GMX24-MFTX1).....	1,725.08	86.29
23 09 23 11-0010 EA 4" 2-Way Bronze Globe Valve With Actuator (Belimo G6100C+GMX24-MFTX1).....	2,332.02	126.74
23 09 23 11-0011 EA 5" 2-Way Bronze Globe Valve With Actuator (Belimo G6125C+GMX24-MFTX1).....	3,429.13	183.17
23 09 23 11-0012 EA 6" 2-Way Bronze Globe Valve With Actuator (Belimo G6150C+GMX24-MFTX1).....	3,798.24	202.79
23 09 23 11-0013 EA 1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G315+NV24-MFT US).....	572.53	19.62
23 09 23 11-0014 EA 3/4" 3-Way Bronze Globe Valve With Actuator (Belimo G320+NV24-MFT US).....	592.30	26.45
23 09 23 11-0015 EA 1" 3-Way Bronze Globe Valve With Actuator (Belimo G325+NV24-MFT US).....	642.83	32.02
23 09 23 11-0016 EA 1-1/4" 3-Way Bronze Globe Valve With Actuator (Belimo G332+NV24-MFT US).....	714.37	40.56
23 09 23 11-0017 EA 1-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G340+NV24-MFT US).....	915.74	46.80
23 09 23 11-0018 EA 2" 3-Way Bronze Globe Valve With Actuator (Belimo G350+NV24-MFT US).....	1,017.01	55.31
23 09 23 11-0019 EA 2-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G765+GMX24-MFTX1).....	1,800.79	110.62
23 09 23 11-0020 EA 3" 3-Way Bronze Globe Valve With Actuator (Belimo G780+GMX24-MFTX1).....	1,982.11	129.44
23 09 23 11-0021 EA 4" 3-Way Bronze Globe Valve With Actuator (Belimo G7100+2"GMX24-MFTX1).....	2,885.01	190.11
23 09 23 11-0022 EA 5" 3-Way Bronze Globe Valve With Actuator (Belimo G7125+2"GMX24-MFTX1).....	4,184.27	274.74
23 09 23 11-0023 EA 6" 3-Way Bronze Globe Valve With Actuator (Belimo G7150+2"GMX24-MFTX1).....	4,651.13	304.19
23 09 23 11-0024 EA 1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE215N-35+ZONE24NC).....	112.46	13.08
23 09 23 11-0025 EA 3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE220N-50+ZONE24NC).....	132.78	17.64
23 09 23 11-0026 EA 1" Two Way Brass Zone Valve With Actuator (Belimo ZONE225N-80+ZONE24NC).....	167.22	21.35
23 09 23 11-0027 EA 1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE315N-35+ZONE24NC).....	137.77	19.62
23 09 23 11-0028 EA 3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE320N-50+ZONE24NC).....	161.22	26.45
23 09 23 11-0029 EA 1" Two Way Brass Zone Valve With Actuator (Belimo ZONE325N-80+ZONE24NC).....	201.58	32.02
23 09 23 11-0030 EA 1/2" 2-Way Brass Ball Valve With Actuator (Belimo B215B+LRB24-3).....	186.64	13.08
23 09 23 11-0031 EA 3/4" 2-Way Brass Ball Valve With Actuator (Belimo B220B+LRB24-3).....	221.38	17.64
23 09 23 11-0032 EA 1" 2-Way Brass Ball Valve With Actuator (Belimo B225+LRB24-3).....	251.89	21.35



Heating, Ventilating, and Air-Conditioning (HVAC)

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Instrumentation and Control for HVAC 23 09

Direct-Digital Control System for HVAC 23 09 23

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0033 EA 1-1/4" 2-Way Brass Ball Valve With Actuator (Belimo B232+ARB24-3).....	327.69	27.03
23 09 23 11-0034 EA 1-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B240+ARB24-3).....	339.14	31.20
23 09 23 11-0035 EA 2" 2-Way Brass Ball Valve With Actuator (Belimo B250+ARB24-3).....	431.88	36.87
23 09 23 11-0036 EA 2-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B265+ARB24-3).....	927.46	73.74
23 09 23 11-0037 EA 3" 2-Way Brass Ball Valve With Actuator (Belimo B280+ARB24-3).....	1,088.91	86.29
23 09 23 11-0038 EA 1/2" 3-Way Brass Ball Valve With Actuator (Belimo B315B+LRB24-3).....	226.37	19.62
23 09 23 11-0039 EA 3/4" 3-Way Brass Ball Valve With Actuator (Belimo B320B+LRB24-3).....	261.99	26.45
23 09 23 11-0040 EA 1" 3-Way Brass Ball Valve With Actuator (Belimo B325+LRB24-3).....	338.01	32.02
23 09 23 11-0041 EA 1-1/4" 3-Way Brass Ball Valve With Actuator (Belimo B331+ARB24-3).....	479.32	40.56
23 09 23 11-0042 EA 1-1/2" 3-Way Brass Ball Valve With Actuator (Belimo B341+ARB24-3).....	505.52	46.80
23 09 23 11-0043 EA 2" 3-Way Brass Ball Valve With Actuator (Belimo B352+ARB24-3).....	669.59	55.31
23 09 23 11-0044 EA 2" 2-Way Butterfly Valve With Actuator (Belimo F650HD+AMB24-3X1).....	547.98	67.60
23 09 23 11-0045 EA 2-1/2" 2-Way Butterfly Valve With Actuator (Belimo F665HD+AMB24-3X1).....	575.55	73.74
23 09 23 11-0046 EA 3" 2-Way Butterfly Valve With Actuator (Belimo F680HD+GMB24-3X1).....	756.09	86.29
23 09 23 11-0047 EA 4" 2-Way Butterfly Valve With Actuator (Belimo F6100HD+2"GMB24-3X1).....	1,155.15	144.85
23 09 23 11-0048 EA 5" 2-Way Butterfly Valve With Actuator (Belimo F6125HD+SY2-24).....	2,319.95	183.17
23 09 23 11-0049 EA 6" 2-Way Butterfly Valve With Actuator (Belimo F6150HD+SY3-24).....	2,448.10	202.79
23 09 23 11-0050 EA 8" 2-Way Butterfly Valve With Actuator (Belimo F6200HD+SY4-24).....	3,327.86	231.76
23 09 23 11-0051 EA 10" 2-Way Butterfly Valve With Actuator (Belimo F6250HD+SY4-24).....	4,082.98	283.91
23 09 23 11-0052 EA 12" 2-Way Butterfly Valve With Actuator (Belimo F6300HS+SY4-24).....	5,045.66	344.13
23 09 23 11-0053 EA 14" 2-Way Butterfly Valve With Actuator (Belimo F6350HD+SY5-24).....	5,607.99	405.57
23 09 23 11-0054 EA 16" 2-Way Butterfly Valve With Actuator (Belimo F6400HD+SY6-110).....	7,412.18	446.13
23 09 23 11-0055 EA 18" 2-Way Butterfly Valve With Actuator (Belimo F6450HD+SY8-110).....	8,981.22	495.61
23 09 23 11-0056 EA 2" 3-Way Butterfly Valve With Actuator (Belimo F750HD+AMB24-3X1).....	1,011.47	101.40
23 09 23 11-0057 EA 2-1/2" 3-Way Butterfly Valve With Actuator (Belimo F765HD+GMB24-3X1).....	1,191.09	110.62
23 09 23 11-0058 EA 3" 3-Way Butterfly Valve With Actuator (Belimo F780HD+2"GMB24-3X1).....	1,470.12	129.44
23 09 23 11-0059 EA 4" 3-Way Butterfly Valve With Actuator (Belimo F7100HD+2"GMB24-3X1).....	1,888.22	217.27
23 09 23 11-0060 EA 5" 3-Way Butterfly Valve With Actuator (Belimo F7425HD+SY3-24).....	3,859.97	274.74
23 09 23 11-0061 EA 6" 3-Way Butterfly Valve With Actuator (Belimo F7150HD+SY3-24).....	3,997.25	304.19
23 09 23 11-0062 EA 8" 3-Way Butterfly Valve With Actuator (Belimo F7200HD+SY4-24).....	5,037.51	347.67
23 09 23 11-0063 EA 10" 3-Way Butterfly Valve With Actuator (Belimo F7250HD+SY4-24).....	6,666.66	425.85
23 09 23 11-0064 EA 12" 3-Way Butterfly Valve With Actuator (Belimo F7300HD+SY5-24).....	8,103.23	516.19
23 09 23 11-0065 EA 14" 3-Way Butterfly Valve With Actuator (Belimo F7350HD+SY6-110).....	12,637.38	608.36
23 09 23 11-0066 EA 16" 3-Way Butterfly Valve With Actuator (Belimo F7400HD+SY7-110).....	14,090.97	669.20
23 09 23 11-0067 EA 18" 3-Way Butterfly Valve With Actuator (Belimo F7450HD+SY8-110).....	21,675.83	743.42
23 09 23 11-0068 Valve Actuators		
23 09 23 11-0069 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-T).....	389.66	83.77
23 09 23 11-0070 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 95 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3).....	395.48	83.77
23 09 23 11-0071 EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR-T).....	444.12	83.77
23 09 23 11-0072 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-S).....	443.79	83.77
23 09 23 11-0073 EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR).....	452.28	83.77
23 09 23 11-0074 EA 24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT).....	508.02	83.77
23 09 23 11-0075 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-1).....	545.74	83.77
23 09 23 11-0076 EA 24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT95).....	556.10	83.77
23 09 23 11-0077 EA 24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-MFT).....	581.10	83.77
23 09 23 11-0078 EA 120 Volt AC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-3).....	433.53	83.77
23 09 23 11-0079 EA 120 Volt AC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-SR).....	485.98	83.77
23 09 23 11-0080 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-T).....	480.40	83.77
23 09 23 11-0081 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3).....	488.91	83.77
23 09 23 11-0082 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARB24-3-5-14).....	492.09	83.77
23 09 23 11-0083 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-S).....	549.95	83.77
23 09 23 11-0084 EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T).....	574.90	83.77
23 09 23 11-0085 EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR).....	588.15	83.77
23 09 23 11-0086 EA 24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, Variable Run Time (90 To 350 Seconds), 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT).....	585.52	83.77
23 09 23 11-0087 EA 24 Volt AC/DC Power Supply, Phasecut Control Input, 95 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-PC).....	594.00	83.77
23 09 23 11-0088 EA 24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT95).....	593.47	83.77
23 09 23 11-0089 EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, NEMA 4X, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T N4).....	648.52	83.77
23 09 23 11-0090 EA 24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, NEMA 4X, Variable Run Time (75 To 350 Seconds), 160 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT-T N4).....	787.75	83.77

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0091	EA	100-240 Volt AC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-3).....	521.28	83.77
23 09 23 11-0092	EA	100-240 Volt AC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-SR).....	623.21	83.77
23 09 23 11-0093	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 15 Seconds Run Time, 801 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY2-24).....	1,422.58	83.77
23 09 23 11-0094	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 1,335 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY3-24).....	1,596.67	83.77
23 09 23 11-0095	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 16 Seconds Run Time, 3,560 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY4-24).....	1,918.86	83.77
23 09 23 11-0096	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 4,450 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY5-24).....	2,175.24	83.77
23 09 23 11-0097	EA	120 Volt AC Power Supply, On/Off Control Input, 28 Seconds Run Time, 5,785 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY6-110).....	2,577.05	83.77
23 09 23 11-0098	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 8,900 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY7-110).....	3,037.79	83.77
23 09 23 11-0099	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 13,350 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY8-110).....	4,097.26	83.77
23 09 23 11-0100	EA	120 Volt AC Power Supply, On/Off Control Input, 58 Seconds Run Time, 17,800 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY9-110).....	5,004.38	83.77

23 09 23 12 Control Dampers (23 09 23)**23 09 23 12-0001 Rectangular Galvanized Volume Control Dampers (23 09 23 12)**

Note: Excludes actuators.

23 09 23 12-0002	EA	8" x 8" Low Leakage Volume Control Damper (Johnson Controls VOPSN-008X008).....	146.63	30.28
23 09 23 12-0003	EA	10" x 10" Low Leakage Volume Control Damper (Johnson Controls VOPSN-010X010).....	165.06	33.20
23 09 23 12-0004	EA	12" x 12" Low Leakage Volume Control Damper (Johnson Controls VOPSN-012X012).....	184.44	36.62
23 09 23 12-0005	EA	14" x 14" Low Leakage Volume Control Damper (Johnson Controls VOPSN-014X014).....	213.41	42.97
23 09 23 12-0006	EA	16" x 16" Low Leakage Volume Control Damper (Johnson Controls VOPSN-016X016).....	241.39	48.83
23 09 23 12-0007	EA	18" x 18" Low Leakage Volume Control Damper (Johnson Controls VOPSN-018X018).....	245.47	54.93
23 09 23 12-0008	EA	20" x 20" Low Leakage Volume Control Damper (Johnson Controls VOPSN-020X020).....	299.73	61.04
23 09 23 12-0009	EA	24" x 24" Low Leakage Volume Control Damper (Johnson Controls VOPSN-024X024).....	358.03	73.24
23 09 23 12-0010	EA	32" x 32" Low Leakage Volume Control Damper (Johnson Controls VOPSN-032X032).....	457.72	85.44
23 09 23 12-0011	EA	48" x 48" Low Leakage Volume Control Damper (Johnson Controls VOPSN-048X048).....	672.64	97.65
23 09 23 12-0012	EA	60" x 60" Low Leakage Volume Control Damper (Johnson Controls VOPSN-060X060).....	1,217.12	109.86
23 09 23 12-0013	EA	72" x 72" Low Leakage Volume Control Damper (Johnson Controls VOPSN-072X072).....	1,541.91	122.07

23 09 23 12-0014 Round Galvanized Control Dampers (23 09 23 12)

Note: Excludes actuators.

23 09 23 12-0015	EA	6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06).....	143.61	34.18
23 09 23 12-0016	EA	8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08).....	148.57	36.62
23 09 23 12-0017	EA	10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10).....	154.60	36.62
23 09 23 12-0018	EA	12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12).....	171.82	41.51
23 09 23 12-0019	EA	14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14).....	194.19	41.51
23 09 23 12-0020	EA	16" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG16).....	211.56	48.83
23 09 23 12-0021	EA	18" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG18).....	283.91	51.39
23 09 23 12-0022	EA	20" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG20).....	296.70	53.27
23 09 23 12-0023	EA	22" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG22).....	315.12	57.43
23 09 23 12-0024	EA	24" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG24).....	333.88	61.59

23 09 23 12-0025 Remote Damper Control (23 09 23 12)

23 09 23 12-0026	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-275B).....	215.27	
		For Each 10' Flexible Casing And Wire, Add	26.40	
23 09 23 12-0027	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-301B).....	220.67	
		For Each 10' Flexible Casing And Wire, Add	26.40	

23 09 23 12-0028 Control Damper Actuators (23 09 23 12)

23 09 23 12-0029	EA	44 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo LMB24-SR).....	426.58	80.68
23 09 23 12-0030	EA	90 IN-LB, 24 Volt AC/DC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo NMB24-SR).....	463.20	80.68
23 09 23 12-0031	EA	90 IN-LB, 2 Position, 24 To 240 Volt AC Spring Return Direct Coupled Control Damper Actuator (Belimo NFBUP).....	523.18	80.68
23 09 23 12-0032	EA	175 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo AMB24-SR).....	551.84	80.68
23 09 23 12-0033	EA	90 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Spring Return Direct Coupled Control Damper Actuator (Belimo NFB24-SR).....	568.85	80.68
23 09 23 12-0034	EA	360 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo GMB24-SR).....	635.72	80.68

23 09 23 13 Energy Meters (23 09 23)**23 09 23 13-0001 Surge Protectors (23 09 23 13)**

23 09 23 13-0002	EA	Surge Protector, T100's, Summit, BCU, UPCM, PCM, TCM (Transtector TR2255).....	231.89	8.55
23 09 23 13-0003	EA	Surge Protector, 1AC Outlet (Transtector TR2251).....	176.35	8.55
23 09 23 13-0004	EA	Surge Protector, 2 AC Outlets (Transtector TR2254).....	271.93	8.55
23 09 23 13-0005	EA	Surge Protector, DB-15 Connection (Transtector TR2259-DLP15).....	149.22	8.55



MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 13-0006	EA	Surge Protector, DB-25 Connection (Transtector TR2259-DLP25)	149.22	8.55	
23 09 23 13-0007	EA	Surge Protector, DB-9 Connection (Transtector TR2259-DLP9)	149.22	8.55	
23 09 23 13-0008	EA	Surge Protector, Individual Wire Connection (Transtector TR2258)	213.82	8.55	
23 09 23 13-0009	EA	Surge Protector, Trane Communication Links (Transtector TR2257)	133.72	8.55	
23 09 23 14 Flow Instruments (23 09 23)					
23 09 23 14-0001 Water Flow Meters (23 09 23 14)					
23 09 23 14-0002	EA	Insertion Electromagnetic Water Flow Meter (Onicon F-3500) Note: Excludes pipe fittings.	3,439.91	89.61	
23 09 23 14-0003 Air Flow Monitoring Stations (23 09 23 14)					
23 09 23 14-0004	EA	Analog Transmitter, 2 Point, 3 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 36" x 24" typical duct size.	2,702.91	93.75	
23 09 23 14-0005	EA	Analog Transmitter, 3 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 48" x 36" typical duct size.	3,863.37	93.75	
23 09 23 14-0006	EA	Analog Transmitter, 4 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 60" x 48" typical duct size.	4,798.37	93.75	
23 09 23 16 Gas Instruments (23 09 23)					
23 09 23 16-0001 Gas Sensors (23 09 23 16)					
23 09 23 16-0002	EA	6-1/4" x 6-1/8" CO2 Sensor, 0-2,000 ppm (Kele WCO-1B)	1,438.34	51.29	
23 09 23 16-0003	EA	Wall Mounted CO2 Sensor, 0-2,000 ppm With LCD Display (Kele CD-AW-LCD)	642.61	34.20	
23 09 23 16-0004	EA	CO Monitor/Transmitter, 0 To 250 ppm (Kele GMT-CO-S2) Note: Solid state sensor.	1,149.52	51.29	
23 09 23 16-0005	EA	CO2 Transmitter, Duct Mount, No Display, 0-10 Volt DC Out, 24 Volt AC/Volt DC, 0-10 Or 4-20mA, 0-2,000 ppm Range With CD-AD Duct Probe Assembly (CDE CD-AD-LCD; CD-AD)	644.66	61.55	
23 09 23 19 Moisture Instruments (23 09 23)					
23 09 23 19-0001 Relative Humidity Sensors (23 09 23 19)					
23 09 23 19-0002	EA	3% Duct Mounted RH Sensor (Kele HD30K)	415.78	61.55	
23 09 23 19-0003	EA	10K Ohm Thermistor 3% Duct Mounted RH Sensor (Kele HD30K-T3)	426.10	61.55	
23 09 23 19-0004	EA	3% RH Outdoor Air Sensor (Kele HO30K)	492.06	85.48	
23 09 23 19-0005	EA	2% Surface Mounted RH Transmitter (Kele HW20K)	363.15	34.20	
23 09 23 21 Motion Instruments (23 09 23)					
23 09 23 21-0001 Peco Motion Sensors (23 09 23 21)					
23 09 23 21-0002	EA	Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SA200-001)	136.81	24.04	
23 09 23 21-0003	EA	Wall/Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SB200-001)	134.35	24.04	
23 09 23 21-0004	EA	Wall/Ceiling Passive Infrared, 24 Volt, Master Motion Sensor (Peco SD200-001)	175.66	24.04	
23 09 23 21-0005	EA	Wall/Ceiling Mount, Passive Infrared, 24 Volt, Master Time Sensor (Peco SD200-002)	157.43	24.04	
23 09 23 21-0006	EA	Door Switch Occupancy Sensor (Peco SE200-001)	57.24	24.04	
23 09 23 21-0007	EA	Window Switch Occupancy Sensor (Peco SE200-002)	53.85	24.04	
23 09 23 21-0008	EA	Power Pack And Controller (Peco SF200-001)	88.78	24.04	
23 09 23 23 Pressure Instruments (23 09 23)					
23 09 23 23-0001 Pressure Sensors (23 09 23 23)					
23 09 23 23-0002	EA	0 To 0.5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-005)	548.48	72.19	
23 09 23 23-0003	EA	0 To 5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-050)	493.03	72.19	
23 09 23 23-0004	EA	0.05 To 12" W.C., Adjustable Differential Pressure Switches (Kele AFS-222)	224.71	72.19	
23 09 23 23-0005	EA	0.05 To 2" W.C., Adjustable Differential Pressure Switches (Kele AFS-262)	231.15	72.19	
23 09 23 23-0006	EA	0.4 To 2" W.C., Manual Reset Adjustable Differential Pressure Switches (Kele AFS-460)	243.76	72.19	
23 09 23 23-0007	EA	0.05 To 12" W.C., 1/8" NPT, Adjustable Differential Pressure Switches (Kele AFS-145)	229.29	72.19	
23 09 23 23-0008	EA	0 To 100 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P210D-BVA) Note: Excludes pipe fittings.	1,898.26	72.19	
23 09 23 23-0009	EA	0 To 60 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P160D-BVA) Note: Excludes pipe fittings.	1,898.26	72.19	
23 09 23 23-0010	EA	Magnahelic Gauge	559.10	44.13	
23 09 23 27 Temperature Instruments (23 09 23)					
23 09 23 27-0001 Air Temperature Sensors (23 09 23 27)					
23 09 23 27-0002	EA	10K Ohm Thermistor Duct Temperature Sensor (Kele ST-D24)	177.98	61.55	
23 09 23 27-0003	EA	10K Ohm Thermistor Duct Temperature Sensor, 1/2" LB Conduit Fitting (Kele ST-D24-XCO)	233.43	61.55	
23 09 23 27-0004	EA	10K Ohm Thermistor Duct Temperature Sensor With Greenfield Fitting (Kele ST-D24-XG)	184.36	61.55	
23 09 23 27-0005	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing (Kele ST-D24-XH)	190.90	61.55	
23 09 23 27-0006	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 18" Probe (Kele ST-D24-XH-XL18)	193.08	61.55	
23 09 23 27-0007	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 6" Probe (Kele ST-D24-XH-XL6)	190.93	61.55	
23 09 23 27-0008	EA	10K Ohm Thermistor Duct Temperature Sensor With Non Metallic Handibox Housing (Kele ST-D24-XHP)	192.08	61.55	
23 09 23 27-0009	EA	10K Ohm Thermistor Duct Temperature Sensor With 4" Probe (Kele ST-D24-XL4)	203.10	61.55	
23 09 23 27-0010	EA	10K Ohm Thermistor Duct Temperature Sensor With Weatherproof Housing (Kele ST-D24-XW)	212.73	61.55	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 27-0011 EA 10K Ohm Thermistor Outdoor Air Temperature Sensor (Kele ST-024).....	264.67	85.48
23 09 23 27-0012 EA 10K Ohm Thermistor Outdoor Air Temperature Sensor With 25' Lead (Kele ST-024-XC25).....	272.08	85.48
23 09 23 27-0013 EA Delta Style Surface Mounted 10K Ohm Thermistor Room Temperature Sensor (Kele BA/10K3-R-N-DF).....	116.81	34.20
23 09 23 27-0014 EA Delta Style Surface Mounted AD592 Room Temperature Sensor (Kele BA/592-10K-R).....	119.53	34.20
23 09 23 27-0015 EA Stainless Steel Plate 1K Ohm Room Temperature Sensor (Kele BA/1K8-SP).....	112.36	34.20
23 09 23 27-0016 Water Temperature Sensors (23 09 23 27)		
23 09 23 27-0017 EA 5" Immersion 20K Ohm Water Temp Sensor (Honeywell C7041D2001).....	140.02	66.15
23 09 23 27-0018 EA Strap-On 20K Ohm Water Temp Sensor (Honeywell C7041K2005).....	330.66	66.15
23 09 23 27-0019 Peco Thermostats (23 09 23 27)		
23 09 23 27-0020 EA 3 Heating Stage, 2 Cooling Stage Programmable Thermostat With Humidification/Dehumidification Control (Peco T12532-1AQ).....	288.20	16.03
23 09 23 27-0021 EA 3 Heating Stage, 2 Cooling Stage Programmable Thermostat (Peco T12532-001).....	259.95	16.03
23 09 23 53 Proprietary Control Systems (23 09 23)		
23 09 23 53-0001 EMCS General Costs (23 09 23 53)		
23 09 23 53-0002 EMCS System Design Engineering (23 09 23 53-0001)		
Note: Hourly labor rates are used for engineering projects only. Not used in conjunction with construction tasks.		
23 09 23 53-0003 HR EMCS Site Inspection Of Existing Facilities.....	264.47	
23 09 23 53-0004 HR EMCS Engineering Project Management.....	264.47	
23 09 23 53-0005 HR EMCS System Engineering, Schematic Design And Layout.....	280.50	
23 09 23 53-0006 HR EMCS System Software Programming And Graphics Programming.....	280.50	
23 09 23 53-0007 HR EMCS Graphics Picture Creation.....	180.38	
23 09 23 53-0008 HR EMCS System Controls Training.....	264.47	
23 09 23 53-0009 HR EMCS On Site System Diagnostics Field Technician.....	264.47	
23 09 23 53-0010 HR EMCS Remote Technical Support Using Phone Or Internet.....	220.45	
23 09 23 53-0011 HR EMCS Travel Time (All Personnel).....	228.47	
23 09 23 53-0012 Field Tests, Checkout And Commissioning (23 09 23 53-0001)		
Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.		
23 09 23 53-0013 PNT EMCS Field Test.....	140.30	
Note: Priced per point.		
23 09 23 53-0014 PNT EMCS Field Checkout And Startup.....	140.30	
Note: Priced per point.		
23 09 23 53-0015 PNT EMCS Field Commissioning.....	140.30	
Note: Priced per point.		
23 09 23 53-0016 EA EMCS Field Balance Support.....	120.21	
Note: Priced per controller.		
23 09 23 53-0017 EMCS System Engineering/Submittal Design And Layout (23 09 23 53-0001)		
Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.		
23 09 23 53-0018 PNT EMCS System Engineering/Submittal Design And Layout.....	46.80	
Note: Priced per point.		
23 09 23 53-0019 Alerton Controls (23 09 23 53)		
23 09 23 53-0020 EA 50 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-SMALL).....	9,111.54	
23 09 23 53-0021 EA 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-MEDIUM).....	11,779.98	
23 09 23 53-0022 EA Dashboard Option, 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-MEDIUM).....	30,210.75	
23 09 23 53-0023 EA Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-LARGE).....	22,598.04	
23 09 23 53-0024 EA Dashboard Option, Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-LARGE).....	58,658.21	
23 09 23 53-0025 EA Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-ENTERPRISE).....	46,204.63	
23 09 23 53-0026 EA Dashboard Option, Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-ENTERPRISE).....	70,678.25	
23 09 23 53-0027 EA Alerton Building Suite Tech License (Alerton ABS-3-TECH).....	1,935.85	
23 09 23 53-0028 EA Enterprise Edition With SQL Server Support, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-ENT1).....	26,652.80	
23 09 23 53-0029 EA Unlimited Controllers, Unlimited Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-LRG).....	19,428.74	
23 09 23 53-0030 EA 150 Controllers, 3 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-MED).....	11,723.90	
23 09 23 53-0031 EA 50 Controllers, 1 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-SM).....	7,144.25	
23 09 23 53-0032 EA 10 Controllers, 1 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-XS).....	2,728.71	
23 09 23 53-0033 EA 1 Ethernet, 1 MS/TP, BACtalk Control Module (Alerton 715000100).....	4,968.46	256.46
23 09 23 53-0034 EA Foreign Protocol Converter For P1 Systems, BACtalk Control Module (Alerton BCM-FPCS).....	7,352.75	341.95
23 09 23 53-0035 EA Modbus Gateway, BACtalk Control Module (Alerton BCM-MDBS).....	7,254.98	341.95
23 09 23 53-0036 EA V.90/56K Modem, BACtalk Control Module (Alerton BCM-MDM).....	2,604.50	256.46
23 09 23 53-0037 EA 1 MS/TP, BACtalk Control Module (Alerton 715000300).....	3,177.46	256.46
23 09 23 53-0038 EA Power Supply, BACtalk Control Module (Alerton BCM-PWS).....	2,428.20	256.46
23 09 23 53-0039 EA 1 TUX Trunk, BACtalk Control Module (Alerton BCM-TUX).....	3,046.05	256.46
23 09 23 53-0040 EA Web Server And Configurator CD, BACtalk Control Module (Alerton BCM-WEB).....	7,348.42	256.46
23 09 23 53-0041 EA BACtalk Field Level Gateway For Modbus (Alerton FLG-MODBUS).....	3,276.35	341.95

**Heating, Ventilating, and Air-Conditioning (HVAC)****23****Instrumentation and Control for HVAC 23 09****Direct-Digital Control System for HVAC 23 09 23****23**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0042 EA EXP BACnet Controller (Alerton VLX).....	7,229.83	683.89
23 09 23 53-0043 EA VLX BACnet High Performance Controller (Alerton VLX-PLATINUM).....	8,483.94	683.89
23 09 23 53-0044 EA Multiple Segment MS/TP Repeater (Alerton MSTP-REP).....	1,125.19	76.15
23 09 23 53-0045 EA 4 Inputs, 2 Flow Transducers, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD).....	2,103.67	256.46
23 09 23 53-0046 EA 4 Inputs, 2 Flow Transducers, 3 Binary Triac Outputs, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD7).....	2,235.90	256.46
23 09 23 53-0047 EA 4 Inputs, 1 Flow Transducers, 3 Hot-Switching Binary Triac Outputs, 2 Ground-Switching Binary Triac Outputs, Single-Duct VAV Controller (Alerton VAV-SD).....	1,779.13	256.46
23 09 23 53-0048 EA 4 Universal Inputs, 5 Binary Outputs, 2 Analog Outputs, Single-Duct VAV Controller (Alerton VAV-SD2A).....	1,963.45	256.46
23 09 23 53-0049 EA 5 Universal Inputs, 6 Binary Outputs, Integral Honeywell Actuator, Single-Duct VAV Controller (Alerton VAVIH-SD).....	1,955.43	256.46
23 09 23 53-0050 EA 11 Inputs, 8 Binary Triac Outputs, 8 Analog Outputs, BACtalk Field Controller For Central Plant Systems (Alerton VLC-1188).....	3,013.20	256.46
23 09 23 53-0051 EA 16 Inputs, BACtalk Field Controller (Alerton VLC-1600).....	2,284.78	256.46
23 09 23 53-0052 EA 16 Inputs, 16 Binary Triac Outputs, BACtalk Field Controller (Alerton VLC-16160).....	3,448.65	341.95
23 09 23 53-0053 EA 4 Universal Inputs, 4 Binary Outputs, 4 Analog Outputs, Field Controller (Alerton VLC-444).....	1,517.58	170.98
23 09 23 53-0054 EA 5 Inputs, 5 Binary Outputs, BACtalk Field Controller (Alerton VLC-550).....	1,464.68	170.98
23 09 23 53-0055 EA 6 Inputs, 2 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-651R).....	1,975.46	256.46
23 09 23 53-0056 EA 6 Inputs, 3 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-660R).....	1,975.46	256.46
23 09 23 53-0057 EA 8 Inputs, 5 Binary Triac Outputs, 3 Analog Outputs, BACtalk Field Controller (Alerton VLC-853).....	2,402.57	256.46
23 09 23 53-0058 EA 16 Universal Inputs, 8 Binary Outputs, 8 Analog Outputs, Field Controller (Alerton VLCA-1688).....	4,851.79	341.95
23 09 23 53-0059 EA 2 Fixed Inputs, 3 Universal Inputs, 6 Binary Outputs, 2 Analog Outputs, VisualLogic Display Controller (Alerton VLD-362).....	2,051.59	256.46
23 09 23 53-0060 EA Wireless Door Contact Sensor (Alerton AL-OC-DS).....	143.12	9.62
23 09 23 53-0061 EA One-Speed BACtalk Microset Wall Sensor (Alerton MS-1010-BT).....	236.40	9.62
23 09 23 53-0062 EA One-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1010H-BT).....	614.63	9.62
23 09 23 53-0063 EA Three-Speed BACtalk Microset Wall Sensor (Alerton MS-1030-BT).....	614.63	9.62
23 09 23 53-0064 EA Three-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1030H-BT).....	476.81	9.62
23 09 23 53-0065 EA BACnet-Compliant Wall Sensor (Alerton TS-1050-BT).....	156.27	9.62
23 09 23 53-0066 EA Wireless Temperature And Humidity Sensor (Alerton WTS-1000-KIT).....	649.09	9.62
23 09 23 53-0067 EA Wireless Temperature And Humidity Sensor With Temperature Adjustment Knob And Manual Override (Alerton WTS-1050-KIT).....	729.24	9.62
23 09 23 53-0068 EA 10 12-Bit Inputs, 12 Binary Triac Outputs Expansion Module (Alerton EXP-10-12-0).....	3,005.18	256.46
23 09 23 53-0069 EA 10 12-Bit Inputs, 4 Binary Triac Outputs Expansion Module (Alerton EXP-10-4-8).....	3,202.30	256.46
23 09 23 53-0070 EA 22 12-Bit Inputs Expansion Module (Alerton EXP-22-0-0).....	3,032.43	256.46
23 09 23 53-0071 EA 50 Devices, Ascent Compass 1 Software, Small License (Alerton Compass-1-SM).....	7,458.88	
23 09 23 53-0072 EA Global Controller Base Unit (Alerton ACM).....	4,035.32	256.46
23 09 23 53-0073 EA External Battery Pack For ACM (Alerton ACM-BATT).....	878.54	142.65
23 09 23 53-0074 EA Licenses The ACM For Capacity Of 32 Directly Connected Devices (Alerton ACM032).....	663.06	
23 09 23 53-0075 EA Microset 4 Wall Sensor (Alerton MS4-THC).....	771.67	9.62
23 09 23 53-0076 Automated Logic Controls (23 09 23 53)		
23 09 23 53-0077 EA 0 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0100).....	3,403.17	256.46
23 09 23 53-0078 EA 0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0320).....	7,517.66	769.39
23 09 23 53-0079 EA 2 Digital Outputs, 2 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M220nx).....	2,310.11	256.46
23 09 23 53-0080 EA 4 Digital Outputs, 10 Universal Inputs, 6 Analog Outputs Standalone Control Module (Automated Logic M4106nx).....	4,972.62	341.95
23 09 23 53-0081 EA 8 Digital Outputs, 10 Universal Inputs, 2 Analog Outputs Standalone Control Module (Automated Logic M8102nx).....	4,891.05	341.95
23 09 23 53-0082 EA 16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M16160).....	7,824.37	683.89
23 09 23 53-0083 EA 8 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M880nx).....	4,360.83	341.95
23 09 23 53-0084 EA 0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX0320).....	4,414.66	256.46
23 09 23 53-0085 EA 16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX16160).....	7,334.94	683.89
23 09 23 53-0086 EA No Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642).....	1,457.67	170.98
23 09 23 53-0087 EA With Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642D).....	1,542.63	170.98
23 09 23 53-0088 EA 3 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN341+).....	2,578.08	170.98
23 09 23 53-0089 EA 1 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN141+).....	2,486.31	170.98
23 09 23 53-0090 EA Air Flow Sensor And Damper Actuator Accessory For ZN341V+ Or ZN141V+ (Automated Logic ZASF).....	2,098.02	256.46
23 09 23 53-0091 EA Unlimited Points, Front End Software For Building Control (Automated Logic WC).....	13,250.54	
23 09 23 53-0092 EA 500 Point, Front End Software For Building Control (Automated Logic WC500).....	8,274.65	
23 09 23 53-0093 EA Enterprise Integration Option, Front End Software For Building Control (Automated Logic WC-ENTERPRISE).....	11,051.37	
23 09 23 53-0094 Cypress Envirosystems Controls (23 09 23 53)		
23 09 23 53-0095 Wireless Pneumatic Thermostat (23 09 23 53-0094)		
Note: Wireless pneumatic thermostats, hub and repeaters must be installed by installers certified by the manufacturer.		
23 09 23 53-0096 EA Two-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP).....	379.10	10.69
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct		
For >200, Deduct		
23 09 23 53-0097 EA Two-Pipe Reverse Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP).....	379.10	10.69
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct		
For >200, Deduct		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0098	EA	Single-Pipe Direct Acting Wireless Pneumatic Thermostat (Cyress Envirosystems WPT-800-T1DP)..... Note: One for every thermostat to be retrofitted. For >50 To 200, Deduct For >200, Deduct	379.10 -19.10 -38.16	10.69
23 09 23 53-0099	EA	Single-Pipe Indirect Acting Wireless Pneumatic Thermostat (Cyress Envirosystems WPT-800-T1RP) Note: One for every thermostat to be retrofitted. For >50 To 200, Deduct For >200, Deduct	379.10 -19.10 -38.16	10.69
23 09 23 53-0100	EA	Two-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cyress Envirosystems WPT-800-T2DP-DB) Note: One for every thermostat to be retrofitted. For >50 To 200, Deduct For >200, Deduct	430.26 -21.94 -43.85	10.69
23 09 23 53-0101	EA	Two-Pipe Reverse Acting Deadband Wireless Pneumatic Thermostat (Cyress Envirosystems WPT-800-T2RP-DB)..... Note: One for every thermostat to be retrofitted. For >50 To 200, Deduct For >200, Deduct	430.26 -21.94 -43.85	10.69
23 09 23 53-0102	EA	Single-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cyress Envirosystems WPT-800-T1DP-DB)..... Note: One for every thermostat to be retrofitted. For >50 To 200, Deduct For >200, Deduct	430.26 -21.94 -43.85	10.69
23 09 23 53-0103	EA	Single-Pipe Indirect Acting Deadband Wireless Pneumatic Thermostat (Cyress Envirosystems WPT-800-T1RP-DB)..... Note: One for every thermostat to be retrofitted. For >50 To 200, Deduct For >200, Deduct	441.27 -22.56 -45.07	10.69
23 09 23 53-0104	EA	Wireless Pneumatic Thermostat Blank Cover (Cyress Envirosystems WPT-800-MCOV) Note: Optional cover. For >50 To 200, Deduct For >200, Deduct	33.23 -1.25 -2.50	10.69
23 09 23 53-0105	EA	Green Box Controller (Cyress Envirosystems GBC-800-001)..... Note: One unit for up to 100 thermostats. For 2, Deduct For >2, Deduct	4,175.66 -208.40 -416.43	10.69
23 09 23 53-0106	EA	WPT USB Hub (Cyress Envirosystems WPT-800-HUSB) Note: One unit for up to 100 thermostats. For 2, Deduct For >2, Deduct	308.14 -16.54 -33.05	10.69
23 09 23 53-0107	EA	WPT Repeater (Cyress Envirosystems WPT-800-RWAL)..... Note: One unit for up to 15 thermostats. For >5 To 10, Deduct For >10, Deduct	544.16 -27.28 -54.52	10.69
23 09 23 53-0108	EA	24 Volt, WPT Repeater (Cyress Envirosystems WPT-800-RWAL24V)..... Note: One unit for up to 15 thermostats. For >5 To 10, Deduct For >10, Deduct	677.52 -31.73 -63.40	10.69
23 09 23 53-0109		Delta Controls (23 09 23 53)		
23 09 23 53-0110		Software (23 09 23 53-0109) Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0111	EA	Orca Software Unlimited Points License (Delta Controls DOW333-USB).....	1,678.59	
23 09 23 53-0112	EA	Orca Graphics Module, Delta Controls Orca View With Graphics Creation Capabilities (Delta Controls DOW333-L-USB).....	2,690.82	
23 09 23 53-0113	EA	Orca Historical Module, Delta Controls Historian Package With Unlimited Archiving Trend Logs (Delta Controls DHS330-HL-USB).....	5,830.11	
23 09 23 53-0114	EA	Web Server Unlimited Points License, Delta Controls Web Server Front End (Delta Controls DWS330-L-USB).....	9,302.58	
23 09 23 53-0115	EA	Web Server Limited Points (Maximum I/O 2500) License, Delta Controls Web Server Front End (Delta Controls DWS330-M-USB).....	4,817.88	
23 09 23 53-0116	EA	Web Server Limited Points (Maximum I/O 250) License, Delta Controls Web Server Front End (Delta Controls DWS330-S-USB).....	1,678.59	
23 09 23 53-0117	EA	100 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.01)	3,920.94	
23 09 23 53-0118	EA	1,000 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.02)	4,817.88	
23 09 23 53-0119	EA	KW Meter With H8163-2400-4-3 Series, With 3, 2,400 Amperes CT's And BACnet MS/TP Interface (Delta Controls H8186-CB).....	1,781.81	106.86
23 09 23 53-0120	EA	Delta Controls Touch Screen (Delta Controls DHMI-7-I).....	1,836.63	
23 09 23 53-0121		EMCS Central Equipment And Controllers (23 09 23 53-0109)		
23 09 23 53-0122	EA	Fully Programmable, Native BACnet Building Controller (Delta Controls DSC-1616E + DFM1616)..... Note: Includes 32 Universal Inputs/32 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS, Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup	6,632.77	427.43
23 09 23 53-0123	EA	Fully Programmable, Native BACnet Building Controller, 16 Universal Inputs/16 Analog Or Binary Outputs HOA'S, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), Sublan (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS (Maximum 12 Devices On LINKnet, With 2 DFM Devices) Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E).....	5,197.66	427.43
23 09 23 53-0124	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146).....	4,002.49	427.43



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0125 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 8 Analog Or Binary Outputs (Delta Controls DAC-1180)	4,002.49	427.43
23 09 23 53-0126 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146).....	4,002.49	427.43
23 09 23 53-0127 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3).....	3,783.93	427.43
23 09 23 53-0128 EA VAV Controllers Are Native BACnet Application Controllers That Are Fully Programmable, Communicate On A RS-485 LAN Using The MS/TP BACnet Protocol, 3 Universal Inputs, 4 Binary Outputs, Actuator Position Feedback, Supports 4 BACstat Network Sensors On LINKnet For Room Sensing And Control Or 2 Delta Field Modules On LINKnet For I/O Expansion (Delta Controls DVC-304AF)	1,251.77	213.72
23 09 23 53-0129 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240).....	1,155.34	213.72
23 09 23 53-0130 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3).....	1,219.32	213.72
23 09 23 53-0131 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240).....	1,155.34	213.72
23 09 23 53-0132 EA Remotely Expandable I/O To Delta's BACnet Controllers, 16 Universal Inputs, 16 Analog Outputs (Delta Controls DFM-1616).....	2,503.69	267.14
23 09 23 53-0133 EA Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440).....	662.54	106.86
23 09 23 53-0134 EA Remotely Expandable I/O To Delta's BACnet™ Controllers, 4 Universal Inputs, 4 Binary Triac Outputs (Delta Controls DFM-404)	703.19	106.86
23 09 23 53-0135 EA Remotely Expandable I/O To Delta's BACnet™ Controllers, 16 Universal Inputs (Delta Controls DFM-1600)	808.63	106.86
23 09 23 53-0136 Network, VAV And Special Sensors (23 09 23 53-0109)		
23 09 23 53-0137 EA BACnet MS/TP VAV Network Room Temperature Sensor With LCD Display (Delta Controls DNS-24)	206.50	34.20
23 09 23 53-0138 EA BACnet MS/TP VAV Network Temperature And Humidity Sensor With LCD Display (Delta Controls DNS-H24)	275.56	38.47
23 09 23 53-0139 EA Programmable BACnet MS/TP Thermostat With 8 Button Keypad And LCD Display For DX Unit, Fan Coils And RTU (Delta Controls DAC-T305-G2B).....	517.81	16.03
23 09 23 53-0140 Honeywell Controls (23 09 23 53)		
23 09 23 53-0141 EMCS Central Equipment And Controllers (23 09 23 53-0140)		
23 09 23 53-0142 EMCS Network Area Controllers (BACnet Or Lon) (23 09 23 53-0141)		
Note: Includes loading software, software license, loading data base and mounting on wall.		
23 09 23 53-0143 EA Network Area Java Controller Supporting 126 Devices (Honeywell WC2003B2004)	8,884.61	520.93
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 minimum RS-232 serial ports, 1 minimum RS-485 electrically isolated ports, 1 LonWorks port (supports 126 devices), and web user interface software.		
23 09 23 53-0144 EA Network Area Java Controller Supporting 27 Devices (Honeywell WC2003B1022)	6,320.32	520.93
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-232 port, 1 RS-485 port, 1 LonWorks port with driver, Lon tunnel service, BACnet driver, wind river VxWorks OS with Jeode java virtual machine, Niagara control engine and web user interface software (supports 27 device).		
23 09 23 53-0145 EA Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201)	5,020.36	520.93
Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Supports up to 10 devices.		
23 09 23 53-0146 EA Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-EZ)	6,054.82	520.93
Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Includes WEB user interface and Enterprise connectivity pack.		
23 09 23 53-0147 EA Niagara Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LN).....	4,984.75	520.93
Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485 communications. Includes Niagara network ethernet communication between stations.		
23 09 23 53-0148 EA Web UI Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LU)	4,984.75	520.93
Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485.		
23 09 23 53-0149 EA 16 Point BACnet IP Network Area Java Controller (Honeywell WEB-216-B).....	5,342.52	520.93
Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 53-0150 EA 16 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-216-BU)	5,718.10	520.93
Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 53-0151 EA 16 Point Niagara Network Area Java Controller (Honeywell WEB-216-N).....	5,342.52	520.93
Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 53-0152 EA 16 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU).....	5,718.10	520.93
Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0153 EA 34 Point BACnet IP Network Area Java Controller (Honeywell WEB-234-B).....	5,721.33	520.93
Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 53-0154 EA 34 Point Web UI and BACnet IP Network Area Java Controller (Honeywell WEB-234-BU.).....	6,096.91	520.93
Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.		
23 09 23 53-0155 EA 34 Point Niagara Network Area Java Controller (Honeywell WEB-216-N).....	5,721.33	520.93
Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 53-0156 EA 34 Point Web UI and Niagara Network Area Java Controller (Honeywell WEB-216-NU).....	6,096.91	520.93
Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.		
23 09 23 53-0157 EA Network Area Java Controller Supporting 27 Devices (Controller Only) (Honeywell WEB-403-AX).....	6,037.01	520.93
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.		
23 09 23 53-0158 EA Unrestricted Network Area Java Controller Supporting 27 Devices (Controller Only).....	7,291.64	520.93
Note: Unrestricted limit on connected devices. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. Honeywell WEB-403-EXP-AX. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 53-0159 EA Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EZ).....	7,678.55	520.93
Note: Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.		
23 09 23 53-0160 EA Expanded Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EXP-EZ).....	8,933.17	520.93
Note: Unrestricted limit on connected devices. Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 53-0161 EA Network Area Java Controller Supporting 124 Devices (Controller Only) (Honeywell WEB-545-AX).....	7,696.36	520.93
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other WEBs controllers, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Excludes UI service and Enterprise connectivity service.		
23 09 23 53-0162 EA Easy Pack Network Area Java Controller Supporting 124 Devices (Honeywell WEB-545-EZ).....	10,087.43	520.93
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other JACES, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Includes WEB-545-AX plus User Interface Station Pack (UI-SP-5XX) and Enterprise Connectivity Station Pack (EC-SP-5XX) bundled as an "easy-order" bundle.		
23 09 23 53-0163 EMCS Network Interfaces (23 09 23 53-0141)		
Note: Includes installation, start-up and tech labor.		
23 09 23 53-0164 EA Serial LonTalk Adapter For LonWorks Bus And A PC (Honeywell Q7760A2001).....	1,227.80	144.26
Note: For desktop computer.		
23 09 23 53-0165 EA Serial LonTalk Card For LonWorks Bus And A PC (Honeywell Q7752B2009).....	1,053.78	96.17
Note: For laptop computer.		
23 09 23 53-0166 EA FTT-10 To FTT-10 Router (Honeywell Q7751A2010).....	1,356.11	180.38
23 09 23 53-0167 EA 4FTT-10 To TP/FTT-1250 Multi Port Router (Honeywell Q7751J2002).....	2,028.75	260.53
23 09 23 53-0168 EA Two Way Lon Repeater (Honeywell Q7740A1008).....	1,091.42	260.53
23 09 23 53-0169 EA FTT Termination Module For Network Bus (Honeywell 209541B).....	86.87	32.06
23 09 23 53-0170 DDC Application Specific Controller Assemblies (23 09 23 53-0141)		
Note: Includes submittal generation, installation, field test, checkout and start-up. Includes control enclosure, transformer, terminal strip and ancillary devices. (For example, fan coil unit include valves, actuators with controller and thermostat; VAVs include controller, thermostat and hot water valve if VAV has reheat coil). Excludes graphics and database generation. Excludes discharge air sensor.		
23 09 23 53-0171 EA Up To 10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	2,092.95	745.34
23 09 23 53-0172 EA >10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	1,692.22	441.32
23 09 23 53-0173 EA Up To 10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	2,261.25	745.34
23 09 23 53-0174 EA >10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	1,860.53	485.14
23 09 23 53-0175 EA Up To 10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies.....	2,482.65	829.55
23 09 23 53-0176 EA >10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies.....	2,182.05	621.92
23 09 23 53-0177 EA Up To 10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies.....	3,071.65	829.55
23 09 23 53-0178 EA >10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies.....	2,650.96	634.74
23 09 23 53-0179 EA Up To 10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	1,879.56	829.55
23 09 23 53-0180 EA >10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	1,478.83	490.48
23 09 23 53-0181 EA Up To 10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	2,100.01	829.55
23 09 23 53-0182 EA >10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	1,699.18	552.46
23 09 23 53-0183 EA Up To 10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies.....	2,434.22	829.55
23 09 23 53-0184 EA >10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies.....	2,025.49	489.41
23 09 23 53-0185 EA Up To 10 Field Installed Application Specific Fan Coil Unit Controller Assemblies.....	2,654.67	829.55
23 09 23 53-0186 EA >10 Field Installed Application Specific Fan Coil Unit Controller Assemblies.....	2,245.83	551.39
23 09 23 53-0187 EA Up To 10 Factory Installed Application Specific Unit Ventilator Controller Assemblies.....	3,015.74	829.55
23 09 23 53-0188 EA >10 Factory Installed Application Specific Unit Ventilator Controller Assemblies.....	2,651.14	530.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0189 EA Up To 10 Field Installed Application Specific Unit Ventilator Controller Assemblies.....	3,456.65	829.55
23 09 23 53-0190 EA >10 Field Installed Application Specific Unit Ventilator Controller Assemblies.....	3,091.94	620.85
23 09 23 53-0191 DDC Programmable Controller Assemblies (23 09 23 53-0141) Note: Includes installation, field test, checkout and start-up. Includes control enclosure, transformer and terminal strip only. Excludes ancillary devices. Excludes submittal generation/system engineering and database generation. See CSI section 23 09 23 53-0198 for additional components.		
23 09 23 53-0192 EA 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies.....	2,165.83	637.20
23 09 23 53-0193 EA Oversized Enclosure 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies.....	2,472.78	637.20
23 09 23 53-0194 EA 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies.....	3,251.71	749.40
23 09 23 53-0195 EA Oversized Enclosure 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies.....	3,558.66	749.40
23 09 23 53-0196 EA 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies.....	5,760.09	877.63
23 09 23 53-0197 EA Oversized Enclosure 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies.....	6,114.92	877.63
23 09 23 53-0198 EMCS Optional DDC Controller Hardware (23 09 23 53-0141) Note: Used to expand the capacity of DDC programmable controller assemblies.		
23 09 23 53-0199 EA 6 DO (Repay), 3 AI, 3 DI AHU Controller (Honeywell W7750A2005).....	369.10	
Note: For constant volume single zone and heat pump AHUs.		
23 09 23 53-0200 EA 6 AI, 5 DI, 8 DO (Triac) AHU Controller (Honeywell W7750B2011).....	426.57	
Note: For constant volume single zone and heat pump AHUs.		
23 09 23 53-0201 EA 3 AO, 6 AI, 5 DI, 5 DO (Triac) AHU Controller (Honeywell W7750C2001).....	446.81	
Note: For constant volume single zone and heat pump AHUs.		
23 09 23 53-0202 EA VAV Controller Compatible Printed Wiring Board (Honeywell W7751B2010).....	421.72	
23 09 23 53-0203 EA VAV Controller With Internally Wired Subbase (Honeywell W7751D2016).....	428.19	
23 09 23 53-0204 EA VAV Controller With Externally Wired Subbase (Honeywell W7751F2011).....	418.48	
23 09 23 53-0205 EA VAV Controller With Premounted ML6161 Actuator (Honeywell W7751H2025).....	360.20	
23 09 23 53-0206 EA VAV Controller With Premounted ML6161 Actuator (Honeywell W7751J2004).....	313.25	
23 09 23 53-0207 EA Fan Coil Unit Controller With Electric Reheat Relay (Honeywell W7752F2002).....	458.95	
23 09 23 53-0208 EA Fan Coil Unit Controller Without Electric Reheat Relay (Honeywell W7752G2000).....	410.38	
23 09 23 53-0209 EA Unit Ventilator Controller With Heating, Cooling, Actuator And Fan Control (Honeywell W7753A2002).....	453.28	
23 09 23 53-0210 EA Building Manager, Monitor And Control HVAC Equipment (Honeywell W7760A2011).....	962.42	
23 09 23 53-0211 EA Plant Controller, Monitor And Control HVAC Equipment (Honeywell W7760C2017).....	1,197.15	
23 09 23 53-0212 EA Remote IO Device For Ancillary Point Monitoring And Control (Honeywell W7761A2002).....	598.17	
23 09 23 53-0213 EA Remote IO, UUKL-UL 864 Approved (Honeywell W7761A2010).....	589.27	
23 09 23 53-0214 EA Hydronic Controller Without Wall Module (Honeywell W7762B1027).....	288.97	
23 09 23 53-0215 EA Hydronic Controller With Built-in Wall Module (Honeywell W7763C1016).....	328.63	
23 09 23 53-0216 EA IO Module, 24 Volt AC Without Overrides (Honeywell XFC3A06001).....	607.08	
23 09 23 53-0217 EA IO Module, 24 Volt AC With Overrides (Honeywell XFC3D06001).....	649.17	
23 09 23 53-0218 EA AI Module (Honeywell XFL521B).....	406.34	
23 09 23 53-0219 EA AO Module (Honeywell XFL522B).....	406.34	
23 09 23 53-0220 EA DI Module (Honeywell XFL523B).....	406.34	
23 09 23 53-0221 EA DO Module (Honeywell XFL524B).....	406.34	
23 09 23 53-0222 EA Distributed IO, Lonwork Bus Connector Module With Endplate (Honeywell XSL511).....	72.04	
23 09 23 53-0223 EA Distributed IO, Terminal Block For AI, AO And DI Modules (Honeywell XSL513).....	135.99	
23 09 23 53-0224 EA Distributed IO, Terminal Block For DO Modules (Honeywell XSL514).....	133.56	
23 09 23 53-0225 EA Lon Analog IO Module, 24 Volt AC/DC, 10 Digital Inputs (Honeywell XIO-10DI).....	408.76	
23 09 23 53-0226 EA Lon Hub (Honeywell XIO-HUB).....	60.71	
23 09 23 53-0227 EA Lon Analog IO, 24 Volt AC/DC, 4 Analog Outputs (Honeywell XIO-4AO).....	408.76	
23 09 23 53-0228 EA Lon Digital IO, 24 Volt AC/DC, 4 Digital Inputs (Honeywell XIO-4DI).....	376.39	
23 09 23 53-0229 EA Lon Digital IO, 24 Volt AC/DC, 4 Digital Outputs (Honeywell XIO-4DO).....	376.39	
23 09 23 53-0230 EA Lon Analog IO, 24 Volt AC/DC, 4 Analog Inputs (Honeywell XIO-4NTC).....	396.62	
23 09 23 53-0231 EA Lon Analog IO, 24 Volt AC/DC, 4 Analog PT1000 Inputs (Honeywell XIO-4PT1000).....	396.62	
23 09 23 53-0232 EA Lon Analog IO, 24 Volt AC/DC, 8 Analog Inputs (Honeywell XIO-8AI).....	570.65	
23 09 23 53-0233 EA 16 Point IO Module For Network Area Controllers (Honeywell WEB-IO-16).....	673.45	
Note: Includes 8 universal inputs, 4 relay outputs, and 4 analog outputs.		
23 09 23 53-0234 EA 34 Point IO Module For Network Area Controllers (Honeywell W7750A2005).....	1,431.08	
Note: Includes 16 universal inputs, 10 relay outputs, and 8 analog outputs.		
23 09 23 53-0235 EMCS Software (23 09 23 53-0140)		
23 09 23 53-0236 Software Packages And License (23 09 23 53-0235) Note: Includes installation on equipment.		
23 09 23 53-0237 EA On Board Programming Tool For Network Area Controllers (Honeywell WP-AX-WEB).....	456.52	
Note: Requires UI services to be installed on NAC.		
23 09 23 53-0238 EA Software Upgrade To Provide Unrestricted Connected Device Limit (Honeywell WEB-403-EXUP-AX).....	1,798.46	
Note: Upgrade existing network area controller. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 53-0239 EA WEBStation-AX Software For Windows (Honeywell WEB-S-AX).....	5,099.44	
Note: Includes Archon database. WEBs controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes one copy of WP-AX (WEBPro-AX).		
23 09 23 53-0240 EA Small Building WEBStation-AX Based Software (Honeywell WEB-S-AX-SBS).....	3,035.38	
Note: For up to 3 NAC controllers. NAC controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes Archon database.		
23 09 23 53-0241 EA Upgrade Small Building To Large Building Software.....	3,498.27	
Note: Upgrade WEB-S-AX-SBS to WEB-S-AX.		
23 09 23 53-0242 EA Additional Copy Of WEBPro-AX (Honeywell WEB-S-AX-W).....	2,485.67	
Note: One copy is included with WEB-S-AX and WEBStation-AX.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0243 EA WEBS Energy Suite (WES) Base Software (Honeywell WES-BASE-AX) .....4,383.80 Note: Includes license for 10 points of E ² Profiler and 2 licensed meters of Cost Profiler. Limit of one WES-BASE per WEBStation-AX Supervisor. Additional E ² Profiler point requirements or Cost Profiler meter requirements may use one or any combination of point/meter bundles. One WES-BASE required per WES project.		
23 09 23 53-0244 EA Perpetual License One Meter Point Bundle Of A Cost Profiler Meter And Two E ² Profiler Points (Honeywell WES-CP-AX) .....623.97 Note: Can be combined with the required single instance of VES-BASE as well as with any combination of other EP points and CP meters.		
23 09 23 53-0245 EA Perpetual License For One Point Of E ² Profiler (Honeywell WES-E2-AX) .....433.75 Note: Can be combined with the required single instance of VES-BASE as well as with any number of other EP Points and Cost Profiler meters.		
23 09 23 53-0246 EA Perpetual License For An Unlimited Bundle Of E2 Points And CP Meters .....23,489.70 Note: Sold on a per server basis. Purchase of this product must be accompanied by VES-M1-ENT-AX maintenance. The first year price of maintenance is included with VES-ENT-AX.		
23 09 23 53-0247 EA Annual Maintenance For Enterprise WEBS-AX Energy Suite (Honeywell WES-M1-ENT-AX) .....21,446.03 Note: The first year cost of VES-M1-ENT-AX is included with VES-ENT-AX. After the first year VES-M1-ENT-AX maintenance fee will be invoiced annually.		
23 09 23 53-0248 EA Standard WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX) .....8,131.58		
23 09 23 53-0249 EA Small WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX-SBS) .....8,067.52		
23 09 23 53-0250 EA Add 500 Modbus TCP Points To WEBStation With WS-OSD Option (Honeywell WS-MTCP-500) .....1,754.05		
23 09 23 53-0251 EA Add 500 OPC Points To WEBStation With WS-OSD Option (Honeywell WS-OPC-500) .....1,754.05		
23 09 23 53-0252 EA Vikon Oracle Driver For Support Of Oracle Database (Honeywell WS-ORCL) .....12,141.52 Note: Excludes Oracle.		
23 09 23 53-0253 EA Open System Driver Option (Honeywell WS-SNMP-500) .....1,618.87 Note: Adds 25 points each of BACnet IP, OPC (client), Modbus TCP and SNMP to a standard WEBStation. Can be purchased with the WS or added later. Web Supervisor required to purchase this option.		
23 09 23 53-0254 EA Add 500 SNMP Points To WEBStation With WS-OSD Option (Honeywell WS-SNMP-500) .....1,754.05		
23 09 23 53-0255 EA WEBStation Software WS-1 And First Copy Of WEBPro Software (Honeywell ZW2000A1003) .....4,587.07 Note: For a single Honeywell WEB NP controller. Excludes software keys for the additional nodes.		
23 09 23 53-0256 EA WEBStation Additional Node (Honeywell ZW2000B1002) .....1,754.05		
23 09 23 53-0257 EA WEBStation Software And 20 Pack Of Node Software Keys (Honeywell ZW2000C1001) .....29,410.01		
23 09 23 53-0258 EA WEBStation Software And 50 Pack Of Node Software Keys (Honeywell ZW2000D1000) .....53,962.60		
23 09 23 53-0259 EA WEBStation Software And 100 Pack Of Node Software Keys (Honeywell ZW2000E1009) .....94,434.35		
23 09 23 53-0260 EA Master WEBStation Software For Monitoring Multiple WEBStations (Honeywell ZW2000F1008) .....4,856.61		
23 09 23 53-0261 EA Additional Master WEBStation Software Licenses (Honeywell ZW2000G1007) .....2,428.30		
23 09 23 53-0262 EA Additional Copies Of Workplace Pro WP-1 (Web Pro) (Honeywell ZW2001A1001) .....1,987.06		
23 09 23 53-0263 EA Upgrade Existing NAC To Provide Unrestricted Connected Device Limit (Honeywell WC2003B1055) .....2,162.70 Note: As with other WEBS, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 53-0264 Initial Database Generation (23 09 23 53-0235)		
23 09 23 53-0265 PNT Database Generation For Central Plant .....71.70		
23 09 23 53-0266 PNT Database Generation For Programmable Controller .....71.70 Note: For VAV AHU, large CV AHU, or heat exchanger, etc.		
23 09 23 53-0267 EA Database Generation For Application Specific Controller .....71.70 Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.		
23 09 23 53-0268 EA Replication Of Database Generation For Application Specific Controller .....49.91 Note: Price per copy made.		
23 09 23 53-0269 EA Database Generation For Remote IO Modules, Sensors, Etcetera .....49.91		
23 09 23 53-0270 Application Software Programs (23 09 23 53-0235)		
23 09 23 53-0271 EA Basic Application Program Package .....2,992.04 Note: One per project. Includes program inputs, command priorities, alarms, trends for analog and digital points, energy totalization, schedules, calendars, special events, occupied and unoccupied setpoints, ventilation and recirculation modes, hot water reset program, chilled water reset program, condenser water reset program, and fail-over logic.		
23 09 23 53-0272 EA Optimum Start/Stop Program .....100.02 Note: Priced per controller requiring optimum start programming.		
23 09 23 53-0273 EA Duty Cycling Program .....47.24		
23 09 23 53-0274 EA Hot Deck/Cold Deck Reset Application Program .....5,140.21		
23 09 23 53-0275 EA Boiler Optimization Program .....6,735.93		
23 09 23 53-0276 EA Chiller Optimization Program .....9,124.50		
23 09 23 53-0277 EA Lighting Control Program .....4,403.13		
23 09 23 53-0278 EA Demand Limiting Program .....87.73 Note: Priced per controller requiring optimum start programming.		
23 09 23 53-0279 EA Email Alarm Server Configuration .....3,396.83		
23 09 23 53-0280 Color Graphics Generation (23 09 23 53-0235)		
Note: Priced per page.		
23 09 23 53-0281 EA Single Site Home Page Graphics Page With HTML Navigation Code .....1,792.89		
23 09 23 53-0282 EA Multi Site Home Page Graphics Page With HTML Navigation Code .....3,183.20		
23 09 23 53-0283 EA Color Graphics Page For Central Plant .....814.58		
23 09 23 53-0284 EA Color Graphics Page For Building Floor Plan .....752.18		
23 09 23 53-0285 EA Replication Of Color Graphics Page For Central Plant .....408.63		
23 09 23 53-0286 EA Color Graphics Page For Programmable Controller .....916.42 Note: For VAV AHU, large CV AHU, or heat exchanger, etc.		
23 09 23 53-0287 EA Replication Of Color Graphics Page For Programmable Controller .....195.97 Note: Priced per copy made.		

**Heating, Ventilating, and Air-Conditioning (HVAC)****23****Instrumentation and Control for HVAC 23 09****Direct-Digital Control System for HVAC 23 09 23****23**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0288 EA Color Graphics Page For Application Specific Controller .....847.61 Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	847.61	
23 09 23 53-0289 EA Replication Of Color Graphics Page For Application Specific Cont .....84.74 Note: Priced per copy made.	84.74	
23 09 23 53-0290 Sensors, Actuators And Control Devices (23 09 23 53-0140) Note: Includes installation, startup, checkout and miscellaneous parts for installation. Excludes conduit, wire and cable. Excludes engineering and programming labor. Each device is considered one control point. No engineering or programming time required for replacement parts.		
23 09 23 53-0291 Special Sensors (23 09 23 53-0290)		
23 09 23 53-0292 EA Dewpoint Sensor (Honeywell C7232B1014) .....1,493.83	1,493.83	66.15
23 09 23 53-0293 EA Enthalpy Sensor -25 To 125 F .....1,556.38	1,556.38	66.15
23 09 23 53-0294 EA Outdoor Mounted Temperature And Humidity Transmitter (Honeywell H7635C1002) .....773.74	773.74	132.29
23 09 23 53-0295 EA Freezestat (Honeywell L482A1004) .....548.83	548.83	220.45
23 09 23 53-0296 EA Wall Mounted Occupancy Sensor .....375.79	375.79	66.15
23 09 23 53-0297 EA Ceiling Mounted Occupancy Sensor .....306.84	306.84	66.15
23 09 23 53-0298 EA I/P Positioner With Gauge .....360.11	360.11	66.15
23 09 23 53-0299 EA Non Communicating Duct Mounted Smoke Detector With Sampling Tube .....432.07	432.07	66.15
23 09 23 53-0300 EA EP Transducer .....360.11	360.11	44.13
23 09 23 53-0301 EA Electric Heat Sequencer .....579.48	579.48	88.15
23 09 23 53-0302 Meters (23 09 23 53-0290)		
23 09 23 53-0303 EA 208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer .....3,665.31	3,665.31	528.95
23 09 23 53-0304 EA 208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer With LON interface .....5,366.74	5,366.74	617.11
23 09 23 53-0305 EA 1 To 300 Amperes, Current Transformer For KW Meter .....1,323.43	1,323.43	220.45
23 09 23 53-0306 EA 300 To 800 Amperes, Current Transformer For KW Meter .....1,484.58	1,484.58	220.45
23 09 23 53-0307 EA 800 To 2,400 Amperes, Current Transformer For KW Meter .....1,793.63	1,793.63	220.45
23 09 23 53-0308 Direct Coupled Actuators (23 09 23 53-0290)		
23 09 23 53-0309 EA 44 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4105A1002) .....477.94	477.94	80.56
23 09 23 53-0310 EA 88 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4110A1200) .....523.34	523.34	80.56
23 09 23 53-0311 EA 175 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4120A1209) .....601.41	601.41	80.56
23 09 23 53-0312 EA 44 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8105A1008) .....451.38	451.38	80.56
23 09 23 53-0313 EA 88 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8110A1206) .....500.20	500.20	80.56
23 09 23 53-0314 EA 175 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8120A1205) .....548.55	548.55	80.56
23 09 23 53-0315 EA 44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator .....502.87	502.87	80.56
23 09 23 53-0316 EA 88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7510A2206) .....572.49	572.49	80.56
23 09 23 53-0317 EA 175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7520A2205) .....647.64	647.64	80.56
23 09 23 53-0318 EA 44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7505A2209) .....415.15	415.15	80.56
23 09 23 53-0319 EA 88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7510A2209) .....452.23	452.23	80.56
23 09 23 53-0320 EA 175 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6120A1200) .....526.70	526.70	80.56
23 09 23 53-0321 EA 175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7220A2007) .....561.76	561.76	80.56
23 09 23 53-0322 EA 300 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6134A10030) .....561.32	561.32	80.56
23 09 23 53-0323 EA 300 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7234A2008) .....657.46	657.46	80.56
23 09 23 53-0324 EA Pneumatic Spring Return Damper Actuator Without Positive Positioner (Honeywell MP909E1018) .....430.35	430.35	80.56
23 09 23 53-0325 EA Pneumatic Spring Return Damper Actuator With Positive Positioner (Honeywell MP909H1368) .....741.44	741.44	80.56
23 09 23 53-0326 EA Foot Mount Kit With Damper Linkage And Connectors For Direct Coupled Actuator .....327.97	327.97	80.56
23 09 23 53-0327 EA Direct Coupled Damper Actuator Enclosure For Outdoor Use .....493.20	493.20	80.56
23 09 23 53-0328 Thermostats (23 09 23 53-0140)		
23 09 23 53-0329 Electric And Electronic Thermostats (23 09 23 53-0328) Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as one control point.		
23 09 23 53-0330 EA Line Voltage 120 Volt, Heat/Cool Thermostat (Honeywell T651A3018) .....171.99	171.99	16.03
23 09 23 53-0331 EA Electronic Non Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell TH5320) .....183.49	183.49	16.03
23 09 23 53-0332 EA Electronic Programmable Heating/Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6110) .....170.71	170.71	16.03
23 09 23 53-0333 EA Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6220) .....188.22	188.22	16.03
23 09 23 53-0334 EA Electronic Programmable Three Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6320) .....201.39	201.39	16.03
23 09 23 53-0335 EA Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH8321) .....285.76	285.76	16.03
23 09 23 53-0336 EA Humidity Control Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7351F) .....405.92	405.92	16.03
23 09 23 53-0337 EA Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350H) .....643.52	643.52	16.03
23 09 23 53-0338 EA Modulating Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350M) .....684.80	684.80	16.03

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0339		Pneumatic Thermostats (23 09 23 53-0328) Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as two control point.		
23 09 23 53-0340	EA	Pneumatic Thermostat (Honeywell TP970B2182)	224.78	16.03
23 09 23 53-0341		Thermostats Guards (23 09 23 53-0328)		
23 09 23 53-0342	EA	9-3/4" x 7-1/4" x 3-3/8" Universal Thermostat Guard (Honeywell TG512A1009)	56.92	16.03
23 09 23 53-0343	EA	7-1/2" x 6-1/2" x 2-15/16" Universal Thermostat Guard (Honeywell TG511)	66.51	16.03
23 09 23 53-0344	EA	5-7/8" x 5-7/8" x 2-1/2" Deep Universal Thermostat Guard (Honeywell TG510)	63.06	16.03
23 09 23 53-0345		Johnson Controls (23 09 23 53)		
23 09 23 53-0346		Software (23 09 23 53-0345) Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0347	EA	5 Concurrent User Application And Data Server (Johnson Controls MS-ADS05U-0)	13,082.37	
23 09 23 53-0348	EA	10 Concurrent User External Application And Data Server (Johnson Controls MS-ADX10U-0)	15,457.91	
23 09 23 53-0349	EA	N2 Controllers Commissioning And Download Software (Johnson Controls MW-MTOOL-0)	835.44	
23 09 23 53-0350	EA	N2 Controllers Download Cable Kit (Johnson Controls AS-CBLPRO-2)	1,226.94	
23 09 23 53-0351	EA	BACnet FEU Controllers Commissioning And Download Software (Johnson Controls MS-CCTSWO-0)	2,115.04	
23 09 23 53-0352	EA	BACnet Controllers Download Bluetooth Converter (Johnson Controls MS-BTCVT-0)	842.07	
23 09 23 53-0353	EA	New User FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-0)	838.16	
23 09 23 53-0354	EA	Upgrade FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-6)	353.45	
23 09 23 53-0355		Supervisory Controllers (23 09 23 53-0345)		
23 09 23 53-0356	EA	NAE With 1 RS-485, Support For 50 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE3510-2)	6,483.99	427.43
23 09 23 53-0357	EA	NAE With 1 RS-485, Support For 100 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE4511-2)	9,616.92	427.43
23 09 23 53-0358	EA	NAE With 2 RS-485, Support For 200 Devices (N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE5511-1)	12,756.78	427.43
23 09 23 53-0359	EA	NCE, 33 Points, Network Control Engine, 32 N2 Device Support Supervisory Controllers (Johnson Controls MS-NCE2510-0)	5,277.21	427.43
23 09 23 53-0360		Controllers (23 09 23 53-0345)		
23 09 23 53-0361	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-FEU1610-0)	760.35	106.86
23 09 23 53-0362	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus, Mounting Base And Integral Display (Johnson Controls MS-FEU1620-0)	969.25	213.72
23 09 23 53-0363	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Mounting Base (Johnson Controls MS-FEU2610-0)	1,334.29	213.72
23 09 23 53-0364	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Integral Display (Johnson Controls MS-FEU2620-0)	1,543.18	213.72
23 09 23 53-0365	EA	BACnet MS/TP 4-Point I/O Module With 4 BI, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM1710-0)	640.51	106.86
23 09 23 53-0366	EA	BACnet MS/TP 6 Point I/O Module With 2 UI, 2 UO, 2 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM2710-0)	693.77	106.86
23 09 23 53-0367	EA	BACnet MS/TP 12 Point I/O Module with 4 UI, 4 UO, 4 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM3710-0)	773.67	106.86
23 09 23 53-0368	EA	17 Point I/O Module with 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-IOM4710-0)	784.32	106.86
23 09 23 53-0369	EA	BACnet MS/TP Rooftop Controller For Stand-Alone And Networked Zoning Systems (Johnson Controls TEC2664Z-2)	1,597.54	213.72
23 09 23 53-0370	EA	32-bit, Integrated VAV Controller/Actuator/DPT, 3 UI, 3 BO, and 2 CO; 24 Volt AC; Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1630-0)	770.82	106.86
23 09 23 53-0371	EA	32-bit, Integrated VAV Controller/Actuator/Pressure Sensor - DPT, 3 UI and 3 BO, 2 CO, 24 Volt AC, and Sensor Actuator Bus (Johnson Controls MS-VMA1930-0)	1,075.30	106.86
		Note: Includes 6-pin Sensor Port for use with TE-7xx Series Non-Communicating Sensors and two Ethernet Ports for BACnet/IP Communications		
23 09 23 53-0372		Master FX Controllers (23 09 23 53-0345)		
23 09 23 53-0373	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X00-000C)	1,965.05	213.72
23 09 23 53-0374	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X01-000C)	2,091.41	213.72
23 09 23 53-0375	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X02-000C)	2,154.19	213.72
23 09 23 53-0376	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X03-000C)	2,116.03	213.72
23 09 23 53-0377	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X04-000C)	2,056.40	213.72
23 09 23 53-0378	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X11-000C)	2,065.96	213.72
23 09 23 53-0379	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X14-000C)	2,056.40	213.72

**Heating, Ventilating, and Air-Conditioning (HVAC)****23****Instrumentation and Control for HVAC 23 09****Direct-Digital Control System for HVAC 23 09 23****23**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0380	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X50-000C).....	2,091.54	213.72
23 09 23 53-0381	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X51-000C).....	2,200.66	213.72
23 09 23 53-0382	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X52-000C).....	2,273.41	213.72
23 09 23 53-0383	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X53-000C).....	2,237.03	213.72
23 09 23 53-0384	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X54-000C).....	2,162.58	213.72
23 09 23 53-0385	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X60-000C).....	2,091.54	213.72
23 09 23 53-0386	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X61-000C).....	2,200.66	213.72
23 09 23 53-0387	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X62-000C).....	2,273.41	213.72
23 09 23 53-0388	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C).....	2,237.03	213.72
23 09 23 53-0389	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X64-000C).....	2,162.58	213.72
23 09 23 53-0390	EA	N2 Open Communication Card For FX16 (Johnson Controls LP-NET151-010C).....	235.74	53.43
23 09 23 53-0391	EA	LON Communication Card For FX15 and FX16 (Johnson Controls LP-NET152-010C).....	325.26	53.43
23 09 23 53-0392	EA	RS-232 Communication Card For FX16 (Johnson Controls LP-NET163-000C).....	260.87	53.43
23 09 23 53-0393	EA	BACnet Communications Card For FX16 (Johnson Controls LP-NET164-000C).....	235.74	53.43
23 09 23 53-0394	EA	Remote Medium User Interface For FX16 (Johnson Controls LP-DIS60P20-0C).....	645.74	53.43
23 09 23 53-0395	EA	Facility Explorer Extension I/O Module (Johnson Controls LP-XT91D00-000C).....	599.69	53.43
23 09 23 53-0396	EA	5 UI, 4 BI, 3 AO, 6 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X01-000C).....	610.48	53.43
23 09 23 53-0397	EA	5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X11-000C).....	610.48	53.43
23 09 23 53-0398	EA	5 UI, 4 BI, 3 AO, 6 Relay DO (Manual Overrides For 2 AO And 4 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X51-000C).....	664.33	53.43
23 09 23 53-0399	EA	5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO (Manual Overrides For 2 AO, 2 Triac DO, And 2 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X61-000C).....	664.33	53.43
23 09 23 53-0400	EA	6 UI, 12 BI, 4 AO, 9 Relay DO Expansion I/O Module (Johnson Controls LP-XM14X01-000C).....	819.17	53.43
23 09 23 53-0401	EA	6 UI, 12 BI, 4 AO, 4 Triac DO Expansion I/O Module (Johnson Controls LP-XM14X11-000C).....	819.17	53.43
23 09 23 53-0402	EA	6 UI, 12 BI, 4 AO, 9 Relay DO (Manual Overrides For 3 AO And 7 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X51-000C).....	906.69	53.43
23 09 23 53-0403	EA	6 UI, 12 BI, 4 AO, 4 Triac DO, 5 Relay DO (Manual Overrides For 3 AO, 2 Triac DO, And 5 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X61-000C).....	906.69	53.43
23 09 23 53-0404		VAV, Network And Special Sensors (23 09 23 53-0345)		
23 09 23 53-0405	EA	3" x 4-1/2", Surface Or Box Mounted, LCD RH Display, 3% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHR7001-0).....	417.45	34.20
23 09 23 53-0406	EA	3" x 4-1/2", Surface Or Box Mounted, Addressing Switch BACnet Temperature Sensor (Johnson Controls NS-BTN7003-0).....	153.30	34.20
23 09 23 53-0407	EA	3" x 4-1/2", Surface Or Box Mounted, 3% RH Accuracy, BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHN7001-0).....	327.71	34.20
23 09 23 53-0408	EA	3" x 4-1/2", Surface Or Box Mounted, LCD Display, 2% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint Addressing Switch BACnet Temperature And Humidity Sensor (Johnson Controls NS-BPB7003-0).....	480.03	34.20
23 09 23 53-0409	EA	3" x 4-1/2", Surface Or Box Mounted, LCD Display, Occupancy Override, Adjustable Temperature Setpoint, BACnet Temperature Sensor (Johnson Controls NS-BTB7001-0).....	173.08	34.20
23 09 23 53-0410	EA	3" x 4-1/2", Surface Or Box Mounted CO2 Sensor, 0 To 2,000 ppm (Johnson Controls NS-BCN7004-0).....	437.08	34.20
23 09 23 53-0411		Sensors - Hard Wired Type (23 09 23 53-0345)		
23 09 23 53-0412	EA	Duct Mount Temperature Sensor, Platinum RT, With Handi-Box (Johnson Controls TFD000).....	165.81	61.55
23 09 23 53-0413	EA	Well Insertion Temperature Sensor, With Stainless 4-1/2" Well (Johnson Controls TIGB1C0).....	130.69	34.20
23 09 23 53-0414	EA	BACnet MS/TP Networked, Single Stage Thermostat (Johnson Controls TEC2601-2).....	329.46	16.03
23 09 23 53-0415	EA	Note: For fan coil units, unit heaters and single stage packaged heating/cooling equipment. BACnet MS/TP Networked Two Outputs, Dehumidification Capability And Three Speed Fan Control Thermostat (Johnson Controls TEC2616-2).....	438.78	16.03
23 09 23 53-0416	EA	Note: For two or four pipe fan coils, cabinet unit heaters or other equipment using on/off, floating, or proportional 0 to 10 Volt DC control input, three speeds of fan control, and dehumidification capability. BACnet MS/TP Networked Thermostats With Two Outputs (Johnson Controls TEC2627VVT-2).....	330.06	16.03
23 09 23 53-0417	EA	Note: For VVT systems. BACnet MS/TP Zone Controller For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2).....	427.32	34.20
23 09 23 53-0418	EA	BACnet Zone Controller With Occupancy Sensor For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2+PIR).....	521.94	34.20
23 09 23 53-0419		Melink Intelli-Hood IH3 Controls (23 09 23 53)		
23 09 23 53-0420		Kitchen Ventilation Controllers (23 09 23 53-0419)		
23 09 23 53-0421	EA	Fully Programmable Kitchen Ventilation Controller (Melink Intelli-Hood 2SYS-3001).....	7,399.28	427.43
23 09 23 53-0422	EA	Note: RS-485 communication protocol supports up to 39 Hood Controllers, 10 graphical user interface devices, 10 auxiliary power supplies, and 10 auxiliary light controllers. Modbus VFD communications interface for support of up to 64 variable frequency drives, programmable I/O points include: 3 digital inputs, 4 digital outputs, 1 analog output, and 1 analog input. BACnet over TCP/IP Interface, Real-Time Clock with battery back-up. Graphical User Interface (Melink Intelli-Hood 2KPD-3001).....	1,310.00	88.15
		Note: Full color 2.5" display and programming interface device. RS-485 communication protocol for interface with main controller.		

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0423 EA Hood Controller (Melink Intelli-Hood 2SEN-3001)..... Note: 6 point field I/O device, RS-485 communication protocol, supports up to 4 field temperature sensors and 1 optic sensor system.	2,290.77	355.84
23 09 23 53-0424 Kitchen Ventilation Sensors (23 09 23 53-0419)		
23 09 23 53-0425 EA Duct Mount Stainless Steel RTD (Melink Intelli-Hood 2SEN-3005-Q)..... Note: Includes UL listed mounting compression fitting, stainless steel probe protection sleeve, RJ-45 communication connector.	404.70	61.55
23 09 23 53-0426 EA Optic Sensor System For Detection Of Cooking Effluent (Melink Intelli-Hood 2SEN-3004-28)..... Note: Includes air purge unit, infrared emitter/receiver with stainless steel housings. Auto-calibration, 0.2 second response time, conformal-coated circuit boards, purge pipe assembly complete with UL listed compression fittings, communication interface cables and blower box assembly.	3,362.75	341.95
23 09 23 53-0427 Siemens Controls (23 09 23 53)		
23 09 23 53-0428 EA Concealed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1083).....	318.68	16.03
23 09 23 53-0429 EA Exposed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1085).....	231.00	16.03
23 09 23 53-0430 EA SPST/Manual Reset, 1" To 12" Set Point Range, Differential Static Pressure Airflow Switch (Siemens 141-0575).....	260.70	72.19
23 09 23 53-0431 EA -0.5" To 0.5" WG, Low Differential Pressure Transmitter (Siemens 141-0591).....	372.64	72.19
23 09 23 53-0432 EA Spring Clip Mounting Kit For Thermostat (Siemens 182-685).....	53.03	10.69
23 09 23 53-0433 EA Two Position, Pneumatic Circuit, RL243 Switching Relay (Siemens 243-0001).....	179.10	106.86
23 09 23 53-0434 EA 3/4" Two Way, Normally Closed, 6.3 Cv, Fx F, Brass Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 260-02012).....	283.93	17.64
23 09 23 53-0435 EA 1" Three Way, 10 Cv, Fx F, Stainless Steel Trim. Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 266-02079).....	501.28	32.02
23 09 23 53-0436 EA 1" Three Way, 10 Cv, Fx F, Brass Trim, 0 To 10 Volt DC, 4 To 20 mA Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 274-03203).....	992.97	32.02
23 09 23 53-0437 EA 1-1/4" Two Way, 16 Cv, Fx F, Stainless Steel Trim, 0 To 10 Volt DC Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 298-03006).....	846.58	40.56
23 09 23 53-0438 EA 36" Rigid Probe, 4 To 20 mA, 20 To 120 Degree F Range, Duct Averaging Sensor (Siemens 535-490-36).....	254.52	61.55
23 09 23 53-0439 EA -58 To 122 Degree F Range, Outside Air Temperature Sensor (Siemens 536-768).....	203.22	34.20
23 09 23 53-0440 EA Unit Conditioner Controller With Secure Mode (Siemens 540-110C).....	1,157.03	170.98
23 09 23 53-0441 EA 9-Pin, Female To RJ-11 Cable (Siemens 540-143).....	77.70	5.34
23 09 23 53-0442 EA Terminal Box Controller, Electronic Output, For Trane (Siemens 540-800).....	1,303.66	170.98
23 09 23 53-0443 EA MMI Extension Cable (Siemens 545-712).....	172.41	5.34
23 09 23 53-0444 EA Remote Pressure Transmitter (Siemens 547-003).....	977.53	34.20
23 09 23 53-0445 EA Cooling Only, GDE, BACnet Actuating Terminal Equipment Controller (Siemens 550-400).....	669.59	85.48
23 09 23 53-0446 EA BACnet Unit Conditioner Fan Coil Controller (Siemens 550-433).....	551.65	85.48
23 09 23 53-0447 EA Door Lock And Key Assembly (Siemens 567-225).....	33.40	21.37
23 09 23 53-0448 EA Insight Advanced Software Package (Siemens 571-010-381-USB)..... Note: Includes one user license and one sentinel key.	9,775.72	
23 09 23 53-0449 EA BACnet Client Option For Insight Advanced Software Package (Siemens 571-188).....	427.59	
23 09 23 53-0450 EA Soft Controller Option For Insight Advanced Software Package (Siemens 571-620).....	2,220.03	
23 09 23 53-0451 EA 1" Steam, Normally Open, 10 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03059).....	333.81	10.65
23 09 23 53-0452 EA 2" Steam, Normally Open, 40 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03062).....	698.51	18.45
23 09 23 53-0453 EA Firefinder XLS Driver, Modular Equipment Controller With RS-485 BLN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, HOA-Ready (Siemens 986-83481C).....	9,703.49	427.43
23 09 23 53-0454 EA SiPass Driver, Modular Equipment Controller With RS-485 ALN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, Modern With HOA (Siemens 986-83482F).....	10,837.54	427.43
23 09 23 53-0455 EA 7" x 13-7/16" x 3-3/4" Weather Shield (Siemens ASK75.3U).....	124.75	16.03
23 09 23 53-0456 EA Two Position, 24 Volt AC/Volt DC, Standard Cabling, Dual Auxillary Switches, Electronic Damper Actuator With Spring Return (Siemens GMA126.1U).....	479.78	80.56
23 09 23 53-0457 EA Modulating, 0 To 10 Volt DC, 24 Volt AC/Volt DC, Standard Cabling, Electronic Damper Actuator With Spring Return (Siemens GMA161.1U).....	499.46	80.56
23 09 23 53-0458 EA License To Enable 4 TX-I/O Modules On The Island Bus And FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-36.A).....	2,817.76	
23 09 23 53-0459 EA License To Enable FLN Support On PXC-16 or PXC-24 "F" Models (Siemens LSM-FLN).....	568.98	
23 09 23 53-0460 EA License To Enable FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-FLN36.A).....	1,831.21	
23 09 23 53-0461 EA License To Enable BACnet Field Panel Web Server (PXC-36) Or Web Services (PXC-16/24) (Siemens LSM-FPWEB).....	1,310.89	
23 09 23 53-0462 EA License To Enable 4 TX-I/O Modules On The Island Bus On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-IB36.A).....	1,126.91	
23 09 23 53-0463 EA License To Enable SNMP Agent License To Enable SNMP Agent (Siemens LSM-SNMP).....	3,331.65	
23 09 23 53-0464 EA 16-Switch HOA Upgrade Kit (Siemens PXA16-M).....	535.40	2.14
23 09 23 53-0465 EA 16-Switch HOA Upgrade Kit (Extended Temp. UL 916) With HMI Cable (Siemens PXA16-MR).....	596.87	8.55
23 09 23 53-0466 EA 8-Switch HOA Upgrade Kit (Siemens PXA8-M).....	305.18	2.14
23 09 23 53-0467 EA 18" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC18).....	373.01	21.37
23 09 23 53-0468 EA 19" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC19).....	593.97	21.37
23 09 23 53-0469 EA 34" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC34).....	788.01	21.37
23 09 23 53-0470 EA Serial Cable Required For HOA Or PXM10T/S Connection To Non-Rooftop Variants Of The 16-Point And 24-Point Compact Series (Siemens PXA-HMI.CABLEP5).....	32.02	10.69
23 09 23 53-0471 EA 115 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB115V192VA).....	749.77	53.43
23 09 23 53-0472 EA 115 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB115V384VA).....	1,065.97	53.43
23 09 23 53-0473 EA 230 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB230V192VA).....	866.27	53.43
23 09 23 53-0474 EA 230 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB230V384VA).....	1,199.12	53.43
23 09 23 53-0475 EA PXC Modular, BACnet/IP Or MS/TP ALN, P1 Or MS/TP FLN, PXX-485.3 Is Also Required As The Connection To The FLN Devices (Siemens PXC00-E96.A).....	5,756.29	598.41
23 09 23 53-0476 EA PXC Modular Series For BACnet Networks, TX-I/O Module, 96 Node (Siemens PXC100-E96.A).....	4,453.81	170.98
23 09 23 53-0477 EA Peer To Peer, TX-I/O, 96 Node, APOGEE Automation System, Programmable Controller - Modular (Siemens PXC100-PE96.A).....	7,530.88	683.89



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0478 EA 16 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC16.2-E.A)	2,675.56	320.58
23 09 23 53-0479 EA 16 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC16.2-EF.A)	2,901.29	320.58
23 09 23 53-0480 EA 16 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC16.2-M.A)	2,751.72	320.58
23 09 23 53-0481 EA 24 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC24.2-E.A)	3,310.77	341.95
23 09 23 53-0482 EA 24 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-EF.A)	3,466.63	341.95
23 09 23 53-0483 EA 24 Point, BACnet/IP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-ER.A)	3,427.97	341.95
23 09 23 53-0484 EA 24 Point, BACnet/IP ALN, Rooftop, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-ERF.A)	3,567.62	341.95
23 09 23 53-0485 EA 24 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC24.2-M.A)	3,424.45	341.95
23 09 23 53-0486 EA 24 Point, MS/TP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-MR.A)	3,566.66	341.95
23 09 23 53-0487 EA 36 Point, BACnet/IP Or MS/TP ALN Compact Programmable Controller (Siemens PXC36-E.A)	5,408.82	598.41
23 09 23 53-0488 EA 36 Point, BACnet/IP Or MS/TP ALN, Island Bus, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC36-EF.A)	8,322.07	683.89
23 09 23 53-0489 EA License To Enable The Island Bus On PXC00-E96.A And PXC00-PE96.A (Siemens PXF-TXIO.A)	845.35	
23 09 23 53-0490 EA Controller Mounted Operator Display Module With Point Monitor And Optional Blue Backlight (Siemens PXM10S)	510.38	42.75
23 09 23 53-0491 EA Controller Mounted Operator Display Module (Siemens PXM10T)	632.81	85.48
23 09 23 53-0492 EA Provides FLN Support For The PXC Modular (Siemens PXX-485.3)	585.87	21.37
Note: Includes Three RS-485 P1 FLN Connections Or One MS/TP FLN Connection, Maximum Of 96 Devices Supported		
23 09 23 53-0493 EA Full Feature With Display, Override And Temperature Setpoint Adjustment, Room Temperature Sensor, 10K Ohm Type III Thermistor (Siemens QAA22SS.FWSN)	303.47	61.55
23 09 23 53-0494 EA Digital Temperature Room Unit for TEC, Sensing, Setpoint, Override, Display, No Logo (Siemens QAA2280.FWNC)	206.58	34.20
23 09 23 53-0495 EA 4" Platinum, 1,000 Ohm, 385 Alpha Probe, Immersion Temperature Sensor (Siemens QAE2012.010)	137.70	34.20
23 09 23 53-0496 EA 8" Platinum, 1,000 Ohm, 385 Alpha Probe, Duct Temperature Sensor (Siemens QAM2012.020)	182.76	61.55
23 09 23 53-0497 EA 24" Flexible Averaging Probe (Siemens QAM2012.750)	276.76	61.55
23 09 23 53-0498 EA 2 Meter Flexible Duct Temperature Sensor With Four Mounting Clamps (Siemens QAM2120.200)	223.67	61.55
23 09 23 53-0499 EA 10 HP, 240 Volt, NEMA 2 Variable Frequency Drive (Siemens SED2-7.5/22X)	2,416.56	344.30
23 09 23 53-0500 EA Two Sets, Address Keys 1 - 12, Accessory For TX-I/O Module (Siemens TXA1.K12)	29.63	10.69
23 09 23 53-0501 EA Labels For HOA And TX-I/O Modules (Siemens TXA1.LLT-P100)	0.55	
23 09 23 53-0502 EA 16 Digital Input Module (Siemens TXM1.16D)	452.51	10.69
23 09 23 53-0503 EA 6 Digital Output Relay Points, Manual Override, Digital Output Module (Siemens TXM1.6R-M)	667.88	10.69
23 09 23 53-0504 EA 8 Universal Points, Local Override/Identification, Digital Output Module (Siemens TXM1.8X-ML)	1,052.21	21.37
23 09 23 53-0505 EA 1.2 A, 4A Fuse, Power Supply (Siemens TXXS1.12F4)	386.81	34.20
23 09 23 53-0506 Trane Controls (23 09 23 53-0507)		
23 09 23 53-0507 Software (23 09 23 53-0506)		
Note: Excludes Programming, set-up and commissioning of application.		
23 09 23 53-0508 EA Summit + Building Management Package (Trane 42021152)	4,902.79	
23 09 23 53-0509 EA Summit Current Version Software (Trane 42021111)	2,804.61	
23 09 23 53-0510 EA Summit Customer Upgrade Package, Currently V10-V16 To V17 (Trane 42021113)	657.03	
23 09 23 53-0511 EA Rover Service Software And Hardware, Complete Kit (Trane X1365150001)	2,789.29	
23 09 23 53-0512 EA Tracer SC With -X1365152401 - BACnet (2 Pack) (Trane BMSC000AAA011000)	7,555.86	
23 09 23 53-0513 EMCS Central Equipment And Controllers (23 09 23 53-0506)		
23 09 23 53-0514 EA Summit BTMX Operator Display Upgrade (Trane 42021224)	5,035.28	427.43
23 09 23 53-0515 EA Summit BTMX Retrofit Kit For BMTS And BMTW BCU (Trane 49500531)	10,367.65	427.43
23 09 23 53-0516 EA Summit BTMX Retrofit Kit For Tracer 100 (Trane 49500532)	10,367.65	427.43
23 09 23 53-0517 EA Summit BTMX, 120 Volt, (Trane BMTX-001-A-A-B0-00)	9,209.80	427.43
23 09 23 53-0518 EA Summit BTMX, 120 Volt, With Display (Trane BMTX-001-A-A-B0-10)	10,556.02	427.43
23 09 23 53-0519 EA Summit CCP Upgrade ROM Kit (Trane 42021095)	173.88	26.72
23 09 23 53-0520 EA Summit Comm5 Repeater (Trane 49500457)	1,348.98	213.72
23 09 23 53-0521 EA AHU Controller MP580/581 E Board Only (Trane 42021157)	2,197.35	267.14
23 09 23 53-0522 EA AHU Controller MP581 120 Volt AC With Enclosure And Display (Trane BMTM000AAC01)	2,797.51	320.58
23 09 23 53-0523 EA AHU Controller MP581 120 Volt AC With Enclosure, No Display (Trane BMTM000AAC00)	2,262.49	320.58
23 09 23 53-0524 EA AHU Controller MP581 Operator Door Display (Trane 42021156)	1,960.63	320.58
23 09 23 53-0525 EA AHU Controller MP581 Portable, Rugged, With Case (Trane 49500491)	1,958.29	320.58
23 09 23 53-0526 EA Controller MP503 I/O Module With Metal Enclosure (Trane 49500590)	846.56	106.86
23 09 23 53-0527 EA Controller MP503 I/O Module With Plastic Cover (Trane 49500490)	780.06	106.86
23 09 23 53-0528 EA Controller MP581 EX2 Expansion Module With Metal Enclosure (Trane 49500500)	1,427.17	213.72
23 09 23 53-0529 EA Controller MP581 EX2 Expansion Module With Plastic Cover (Trane 49500499)	1,372.02	213.72
23 09 23 53-0530 EA 2 Position, FCU Controller ZN511 Zone With Metal Enclosure (Trane 49500569)	755.69	106.86
23 09 23 53-0531 EA 2 Position, FCU Controller ZN511 Zone With Plastic Cover (Trane 4950-0469)	675.61	106.86
23 09 23 53-0532 EA 4 Position, FCU Controller ZN517 Zone With Metal Enclosure (Trane 49500596)	952.75	106.86
23 09 23 53-0533 EA 4 Position, FCU Controller ZN517 Zone With Plastic Cover (Trane 49500496)	873.10	106.86
23 09 23 53-0534 EA Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 4950049)	762.82	106.86
23 09 23 53-0535 EA Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500496)	731.94	106.86
23 09 23 53-0536 EA Modulating Tri ST FCU Controller ZN521 Zone With Metal Cover (Trane 49500570)	826.15	106.86
23 09 23 53-0537 EA Modulating Tri ST FCU Controller ZN521 Zone With Plastic Cover (Trane 49500470)	762.82	106.86
23 09 23 53-0538 EA DDC VAV Retrofit Kit (Trane VRTODD01)	1,125.82	213.72
23 09 23 53-0539 EA DDC VAV Retrofit Kit With Belimo Actuator (Trane VRTODD01BLMO)	1,204.58	213.72
23 09 23 53-0540 Network, VAV And Special Sensors (23 09 23 53-0506)		
23 09 23 53-0541 EA Digital Display Zone Sensor (Trane X13790464010)	176.26	34.20
23 09 23 53-0542 EA Single Setpoint Wall Mounted Zone Temperature Sensor (Trane X13511529010)	124.65	34.20
23 09 23 53-0543 EA Wall Mounted Zone Temperature-Only Sensor (Trane X13511528010)	115.95	34.20
23 09 23 53-0544 EA Ceiling Mount Zone Occupancy Sensor (Trane X13790421-01)	214.93	38.47
23 09 23 53-0545 EA Zone LCD O/C Setpoint, 3 Speed Fan (Trane X1901121)	136.53	34.20

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23 09 23 53-0546 EA Zone Sensor LCD O/C Setpoint (Trane 41901120)	136.53	34.20
23 09 23 53-0547 EA Duct CO2 Sensor, 0 To 2,000 ppm (Trane X13790423010)	440.53	61.55
23 09 23 53-0548 EA Room CO2 Sensor, 0 To 2,000 ppm (Trane X13790422010)	389.54	34.20
23 09 23 53-0549 EA Transformer 120/24 40 VA (Trane X13550284010)	111.60	34.20
23 09 23 53-0550 EA Transformer 24 Volt AC Wall Plug-In (Trane 35803005)	108.49	34.20
23 09 23 53-0551 EA Transformer UL Listed 120 Volt AC, 40 VA (Trane 35812022)	103.51	34.20
23 09 23 53-0552 EA Controller UC400 VAV Kit With Enclosure, And Belimo (Trane 5189454010)	1,235.78	213.72
23 09 23 53-0553 EA Controller UC400 VAV Kit With Enclosure, No Actuator (Trane 5189456010)	1,193.29	213.72
23 09 23 53-0554 EA Controller UC400 XM32 Module (4 Relay) (Trane X13651563010)	1,104.73	213.72
23 09 23 53-0555 EA Controller UC400 XM70 (8UI,6UI/AO,4R,1P) (Trane X13651568010)	1,909.95	320.58
23 09 23 53-0556 EA Controller UC400 XM30 I/O Module (4 UI/AO) (Trane X13651537010)	1,104.73	213.72
23 09 23 53-0557 EA Controller UC210 VAV With Belimo Actuator (Trane BMUC210AAA0B00011)	1,149.60	213.72
23 09 23 53-0558 EA Controller UC210 VAV Without Actuator (Trane BMUC210AAA0100011)	1,153.23	213.72
23 09 23 53-0559 EA Controller Optional Metal Enclosure, UC210 (Trane 501898)	447.14	212.81
23 09 23 53-0560 EA Controller UC400 PM014 24 Volt AC To 1.4 Amperes, 24 Volt DC (Trane X1365153801)	596.91	212.81
23 09 23 53-0561 EA Controller Tracer UC600 Controller (Trane BMUC600AAA0100011)	2,098.36	320.58
23 09 23 53-0562 EA Controller UC600 Tracer TD7 Display (Trane X13651571010)	2,029.96	320.58
23 09 23 53-0563 EA Controller UC600 TD7 Mounting Bracket (Trane X05010511010)	127.14	42.59
23 09 23 53-0564 EA Controller UC400 13" DIN Rail Enclosure, 120 Volt (Trane X13651559010)	418.94	42.59
23 09 23 53-0565 EA SC 24" DIN Rail Enclosure, 120 Volt (Trane X13651552010)	2,140.64	320.58
23 09 23 53-0566 EA BACnet Term (2 Pack) (Trane X1365152401)	206.28	76.61
23 09 23 53-0567 EA Tracer ES Add License (Trane X40250125010)	2,613.84	
23 09 23 53-0568 EA Kit - Tracer TU For Controls (Trane X4509151201)	3,764.17	427.43
23 09 23 53-0569 EA Kit - Tracer TU Complete (Trane X4509151301)	4,806.30	427.43
23 09 23 53-0570 EA Tracer TU Adapter Wired/Wireless (Trane X13651529010)	469.93	76.61
23 09 23 53-0571 EA Sensor Wireless Zone Sensor, Fahrenheit (Trane X13790492010)	286.50	76.61
23 09 23 53-0572 EA Sensor Wireless Display Sensor (Trane X13790822010)	318.83	76.61
23 09 23 53-0573 EA Sensor Wireless Receiver, 100mW (Trane X13790854010)	289.61	76.61
23 09 23 53-0574 EA Sensor Wireless Comm Interface (WCI) Indoor, 100mW (Trane X13790901010)	378.95	76.61
23 09 23 53-0575 EA Sensor Wireless Comm Interface (WCI) Outdoor, 100mW (Trane X13790941010)	409.40	76.61
23 09 23 53-0576 Control Sensors, Meters, Relays, Power Supplies, Valves, Dampers And Actuators (23 09 23 53)		
23 09 23 53-0577 Room Pressure Monitoring (23 09 23 53-0576)		
23 09 23 53-0578 EA Hospital Room Pressure Monitor With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8640-PM)	2,232.01	48.83
23 09 23 53-0579 EA Hospital Room Pressure Controller With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8630-PC)	3,580.25	48.83
Note: Excludes dampers and actuators.		
23 09 23 53-0580 EA Hospital Room Pressure Status Remote Visual Display (TSI 8694-4)	288.09	29.30
23 09 23 53-0581 EA Hospital Room Pressure Status Remote Negative/Neutral Key Switch (TSI 8694-7)	331.12	29.30
23 09 23 53-0582 Current Switches And Current Sensors (23 09 23 53-0576)		
23 09 23 53-0583 EA Up To 20 Amperes, 0 To 5 Volt DC, Current Sensor (Senva C-1203)	117.81	34.20
23 09 23 53-0584 EA Up To 20 Amperes, 4-20mA, Current Sensor (Senva C-1205)	121.54	34.20
23 09 23 53-0585 EA 0.5 To 135 Amperes Range, Split Core, VFD Current Switch (Senva C-2350VFD-L)	176.26	34.20
23 09 23 53-0586 EA 0.15 To 100 Amperes Range, Split Core, Current Switch With NC Command Relay (Senva C-2300 And CR4-24)	112.84	34.20
23 09 23 53-0587 EA 0 To 50/100/200 Amperes (Selectable), 4-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970HCA)	303.11	34.20
23 09 23 53-0588 EA 0 To 20/40/80 Amperes (Selectable), 0-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970LCC)	200.92	34.20
23 09 23 53-0589 EA 1 To 135 Amperes, N.O. Contact, 1 Ampere At 110 Volt, Current Switch (Veris H709)	158.34	34.20
23 09 23 53-0590 EA 0 To 10/20/40 Amperes, 4-20mA Analog Output, Solid Core, Loop Powered, Current Switch (Veris H721)	158.34	34.20
23 09 23 53-0591 EA Energy Meter H8163 Series, With BACnet Output (Veris H8186-CB-BAC)	3,785.41	170.98
23 09 23 53-0592 EA 100 Amperes, Modbus RTU, Power Transducer (Veris H8035-0100-2)	956.87	34.20
Note: 3 phase networked transducer.		
23 09 23 53-0593 EA 2,400 Amperes, Three Current Switches, Pulse Output, Phase Loss Alarm Output, Energy Meter (Veris H8163-2400-4-3)	1,443.49	34.20
23 09 23 53-0594 EA Up To 20 Amperes, 0-5 Volt DC, Current Transducer (Kele 4CTV)	168.35	34.20
23 09 23 53-0595 EA Solid Core Fixed Setpoint Digital Output Current Switch (Veris H-800)	276.34	90.83
23 09 23 53-0596 EA Split Core Fixed Setpoint Digital Output Current Switch (Veris H-900)	276.64	90.83
23 09 23 53-0597 EA Solid Core Adjustable Setpoint Digital Output Current Sensor (Veris H-708)	291.56	90.83
23 09 23 53-0598 EA Split Core Adjustable Setpoint Digital Output Current Sensor (Veris H-908)	295.29	90.83
23 09 23 53-0599 EA Solid And Split Core Adjustable Setpoint Digital Output VFD Current Switch (Veris H-904)	316.44	90.83
23 09 23 53-0600 EA Toggle Switch	116.31	42.75
23 09 23 53-0601 EA Maintained Pushbutton Switch	122.40	42.75
23 09 23 53-0602 EA Manual Time Switch	179.81	42.75
23 09 23 53-0603 EA Emergency Stop Switch	282.47	42.75
23 09 23 53-0604 EA Float Switch	300.18	42.75
23 09 23 53-0605 EA Break Glass Switch	888.01	42.75
23 09 23 53-0606 EA Boiler E-Stop Switch	603.04	42.75
23 09 23 53-0607 Relays (23 09 23 53-0576)		
23 09 23 53-0608 EA DPDT, 24 Volt AC, Blade, Standard Relay (Kele RH2B-UAC24V)	101.02	34.20
23 09 23 53-0609 EA SPDT, 24 Volt AC/Volt DC, 120 Volt AC Multi-Voltage Relay Module (Kele PAM-1)	108.67	34.20
23 09 23 53-0610 EA SPDT, 24 Volt AC/Volt DC, 120 Volt AC Power Relay (Kele RIB2401B)	150.21	42.75
Note: Box type.		
23 09 23 53-0611 EA Motor Starter Interface, 300msec Pulse (Kele PIL-2)	177.28	34.20
23 09 23 53-0612 EA DP Relay Socket, DIN Rail Mounted (Kele SH2B-05)	95.48	34.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0613 EA SP Relay Socket, DIN Rail Mounted (Kele SH1B-05).....	94.36	34.20
23 09 23 53-0614 EA SPDT, 24 Volt AC, Blade, Standard Relay (Kele RH1B-UAC24V).....	101.02	34.20
23 09 23 53-0615 EA DPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH2B-ULAC24V).....	104.52	34.20
23 09 23 53-0616 EA SPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH1B-ULAC24V).....	105.48	34.20
23 09 23 53-0617 EA SPDT Pilot Relay, Universal (Kele RIBU1C).....	117.99	42.75
Note: Box type.		
23 09 23 53-0618 EA SPST Pilot Relay With HOA Switch (Kele RIBU1S).....	149.20	42.75
Note: Box type.		
23 09 23 53-0619 EA SPDT 3 Phase Line Voltage Monitor, .1-5 Minute Delay On Break Timer (ICM400).....	245.47	42.75
23 09 23 53-0620 EA SPDT 3-Phase Line Voltage Monitor, 0-10 Minute Delay On Break Timer (ICM450).....	244.09	42.75
23 09 23 53-0621 Transformers (23 09 23 53-0576)		
23 09 23 53-0622 EA 50 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X050CBA).....	116.99	34.20
23 09 23 53-0623 EA 75 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X075CAB).....	125.67	34.20
23 09 23 53-0624 EA 75 VA, 120/208/240/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X075CBA).....	125.67	34.20
23 09 23 53-0625 EA 100 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X100CAB).....	133.53	34.20
23 09 23 53-0626 EA 100 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X100CBA).....	138.37	34.20
23 09 23 53-0627 Power Supplies (23 09 23 53-0576)		
23 09 23 53-0628 EA Solid Core Current Operated Switch, Terminals, Adjustable Trip, 0.5-150A, SPST (Kele RIBXKTA).....	165.83	34.20
23 09 23 53-0629 EA AC/DC Power Supply, 1.2 Amperes At 24 Volt Output (Kele DCPA-1.2).....	189.92	34.20
23 09 23 53-0630 EA DC Power Supply, 5 Volt DC And 24 Volt DC Output (Kele DCP-524).....	179.06	34.20
23 09 23 53-0631 EA DC Power Supply, 24 Volt DC, DIN Rail Mounted (Kele DCP-250-D).....	184.20	34.20
23 09 23 53-0632 EA DC Power Supply, 24 Volt DC, Hub Mounted (Kele DCP-250-H).....	179.62	34.20
23 09 23 53-0633 EA DC Power Supply, 24 Volt DC, Panel Mounted (Kele DCP-250-P).....	187.28	34.20
23 09 23 53-0634 EA DC Power Supply, 24 Volt AC In To Custom DC Out, At 1.5 Amperes (Kele DCP-1.5-W-C).....	145.12	34.20
23 09 43 Pneumatic Control System For HVAC (23 09)		
23 09 43 00-0001 Pneumatic Tubing For HVAC Instrumentation and Control Devices (23 09 43)		
23 09 43 00-0002 Polyurethane Pneumatic Tubing (23 09 43 00-0001)		
23 09 43 00-0003 LF 1/4" Outside Diameter x 1/32" Thick Wall Polyurethane Pneumatic Tubing.....	2.02	0.84
23 09 43 00-0004 LF 5/32" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing.....	2.48	0.86
23 09 43 00-0005 LF 3/8" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing.....	3.12	0.89
23 09 43 00-0006 LF 1/2" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing.....	3.85	0.91
23 09 43 00-0007 Fire Resistant Polyethylene Pneumatic Tubing (23 09 43 00-0001)		
23 09 43 00-0008 LF 1/4" Outside Diameter x .040" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	1.85	0.84
23 09 43 00-0009 LF 5/32" Outside Diameter x .030" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	1.98	0.86
23 09 43 00-0010 LF 3/8" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	2.21	0.89
23 09 43 00-0011 LF 1/2" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	2.66	0.91
23 09 43 00-0012 Nylon Pneumatic Tubing (23 09 43 00-0001)		
23 09 43 00-0013 LF 1/8" Outside Diameter x .016" Thick Wall Nylon Pneumatic Tubing.....	2.11	0.81
23 09 43 00-0014 LF 1/4" Outside Diameter x .035" Thick Wall Nylon Pneumatic Tubing.....	2.68	0.84
23 09 43 00-0015 LF 3/8" Outside Diameter x .050" Thick Wall Nylon Pneumatic Tubing.....	3.86	0.89
23 09 43 00-0016 LF 1/2" Outside Diameter x .062" Thick Wall Nylon Pneumatic Tubing.....	4.84	0.91
23 09 43 00-0017 Flexible Vinyl Pneumatic Tubing (23 09 43 00-0001)		
23 09 43 00-0018 LF 1/4" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	2.08	0.84
23 09 43 00-0019 LF 3/8" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	3.14	0.89
23 09 43 00-0020 LF 1/2" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	3.71	0.91
23 09 43 00-0021 LF 5/8" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	4.43	0.94
23 09 43 00-0022 LF 3/4" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	4.97	0.97
23 09 43 00-0023 LF 1" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	6.65	0.99
23 09 43 00-0024 Braided Vinyl Pneumatic Tubing (23 09 43 00-0001)		
23 09 43 00-0025 LF 5/8" Outside Diameter Braided Vinyl Pneumatic Tubing.....	2.73	0.94
23 09 43 00-0026 LF 3/4" Outside Diameter Braided Vinyl Pneumatic Tubing.....	3.11	0.97
23 09 43 00-0027 LF 1" Outside Diameter Braided Vinyl Pneumatic Tubing.....	3.78	0.99
23 09 43 00-0028 Copper Pneumatic Tubing (23 09 43 00-0001)		
23 09 43 00-0029 LF 1/4" Outside Diameter Copper Pneumatic Tubing.....	4.49	1.81
23 09 43 00-0030 LF 3/8" Outside Diameter Copper Pneumatic Tubing.....	5.42	2.08
23 09 43 00-0031 LF 1/2" Outside Diameter Copper Pneumatic Tubing.....	6.30	2.39
23 09 43 00-0032 LF 5/8" Outside Diameter Copper Pneumatic Tubing.....	7.71	2.76
23 09 43 00-0033 LF 3/4" Outside Diameter Copper Pneumatic Tubing.....	8.78	3.17
23 09 43 00-0034 Brass Couplings (23 09 43 00-0001)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 43 Pneumatic Control System For HVAC**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 09 43 00-0035		Straight Brass Couplings (23 09 43 00-0034)	
		Note: Barb x Barb	
23 09 43 00-0036	EA	1/4" x 1/4" Straight Brass Coupling	9.74 4.56
23 09 43 00-0037	EA	3/8" x 1/4" Straight Brass Coupling	9.84 4.56
23 09 43 00-0038	EA	3/8" x 3/8" Straight Brass Coupling	9.94 4.56
23 09 43 00-0039		Elbow Brass Couplings (23 09 43 00-0034)	
		Note: Barb x Barb	
23 09 43 00-0040	EA	1/4" x 1/4" Elbow Brass Coupling	10.30 4.56
23 09 43 00-0041	EA	3/8" x 3/8" Elbow Brass Coupling	10.64 4.56
23 09 43 00-0042		Tee Brass Couplings (23 09 43 00-0034)	
		Note: Barb x Barb	
23 09 43 00-0043	EA	1/4" x 1/4" x 1/4" Tee Brass Coupling	15.75 7.10
23 09 43 00-0044	EA	3/8" x 3/8" x 1/4" Tee Brass Coupling	17.98 7.60
23 09 43 00-0045	EA	3/8" x 3/8" x 3/8" Tee Brass Coupling	17.62 7.60

23 10 Facility Fuel Systems (23)**23 11 Facility Fuel Piping** (23 10)**23 11 23 Facility Natural-Gas Piping** (23 11)

23 11 23 00-0001		Corrugated Stainless Steel Tubing (CSST), Flexible Gas Piping (23 11 23)	
23 11 23 00-0002		Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0001)	
		Note: Includes UV resistant polyethylene jacket. Excludes fittings and pipe hangers.	
23 11 23 00-0003	LF	3/8" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	5.10 1.78
23 11 23 00-0004	LF	1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	5.61 1.93
23 11 23 00-0005	LF	3/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	6.68 2.08
23 11 23 00-0006	LF	1" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	8.35 2.20
23 11 23 00-0007	LF	1-1/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	9.78 2.32
23 11 23 00-0008	LF	1-1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	14.67 2.41
23 11 23 00-0009	LF	2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	19.73 2.57
23 11 23 00-0010		Fittings And Accessories For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0001)	
23 11 23 00-0011		Male Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)	
23 11 23 00-0012	EA	3/8" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	24.51
23 11 23 00-0013	EA	3/8" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	24.51
23 11 23 00-0014	EA	1/2" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	26.26
23 11 23 00-0015	EA	1/2" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	26.26
23 11 23 00-0016	EA	3/4" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	31.31
23 11 23 00-0017	EA	1" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	42.44
23 11 23 00-0018	EA	1" x 1", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	42.44
23 11 23 00-0019	EA	1-1/4" x 1-1/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	70.70
23 11 23 00-0020	EA	1-1/2" x 1-1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	127.62
23 11 23 00-0021	EA	2" x 2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	205.27
23 11 23 00-0022		Female Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)	
23 11 23 00-0023	EA	3/8" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	23.78
23 11 23 00-0024	EA	1/2" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	26.26
23 11 23 00-0025	EA	1/2" x 3/8", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	26.26
23 11 23 00-0026	EA	3/4" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	31.31
23 11 23 00-0027	EA	1" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.67
23 11 23 00-0028	EA	1" x 1", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.67
23 11 23 00-0029	EA	1" x 1", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.67
23 11 23 00-0030		Reducing Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)	
23 11 23 00-0031	EA	3/4" x 1/2", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	31.74
23 11 23 00-0032	EA	1" x 3/4", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0033	Couplings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)	
23 11 23 00-0034 EA 3/8" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	32.32	
23 11 23 00-0035 EA 1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	35.78	
23 11 23 00-0036 EA 3/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	44.56	
23 11 23 00-0037 EA 1" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	63.10	
23 11 23 00-0038 EA 1-1/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	116.39	
23 11 23 00-0039 EA 1-1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	225.12	
23 11 23 00-0040 EA 2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	372.35	
23 11 23 00-0041	Tees For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)	
23 11 23 00-0042 EA 1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	44.83	
23 11 23 00-0043 EA 3/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	70.71	
23 11 23 00-0044 EA 1" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	110.56	
23 11 23 00-0045 EA 1-1/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	188.32	
23 11 23 00-0046 EA 1-1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	202.39	
23 11 23 00-0047 EA 2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	232.04	
23 11 23 00-0048	Indoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)	
23 11 23 00-0049 EA 3/8" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	29.19	
23 11 23 00-0050 EA 1/2" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	30.24	
23 11 23 00-0051 EA 3/4" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	32.86	
23 11 23 00-0052 EA 1" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	43.61	
23 11 23 00-0053 EA 1" x 1", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	44.22	
23 11 23 00-0054	Outdoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)	
23 11 23 00-0055 EA 3/8" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	32.00	
23 11 23 00-0056 EA 1/2" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	32.93	
23 11 23 00-0057 EA 3/4" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	38.55	
23 11 23 00-0058 EA 1" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	45.21	
23 11 23 00-0059 EA 1" x 1", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	45.21	
23 11 23 00-0060	Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)	
23 11 23 00-0061 EA 3/8" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	51.99	
23 11 23 00-0062 EA 1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	53.32	
23 11 23 00-0063 EA 3/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	55.81	
23 11 23 00-0064 EA 1" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	86.07	
23 11 23 00-0065 EA 1-1/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	89.29	
23 11 23 00-0066 EA 1-1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	126.74	
23 11 23 00-0067 EA 2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	156.52	
23 11 23 00-0068	Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)	
23 11 23 00-0069 EA 3/8" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	54.71	
23 11 23 00-0070 EA 1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	55.98	
23 11 23 00-0071 EA 3/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	61.40	
23 11 23 00-0072 EA 1" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	107.46	
23 11 23 00-0073 EA 1-1/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	110.86	
23 11 23 00-0074 EA 1-1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	150.78	
23 11 23 00-0075 EA 2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	189.09	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR
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TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 11 23 00-0076	Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0077	EA	1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	31.16
23 11 23 00-0078	EA	3/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	33.60
23 11 23 00-0079	EA	1" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	50.05
23 11 23 00-0080	EA	1-1/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	75.92
23 11 23 00-0081	EA	1-1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	145.34
23 11 23 00-0082	EA	2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	230.02
23 11 23 00-0083	Stub-Outs For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
	Note: Includes mounting plate.		
23 11 23 00-0084	EA	1/2" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	26.93
23 11 23 00-0085	EA	3/4" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	29.32
23 11 23 00-0086	EA	1/2" Fireplace Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	26.96
23 11 23 00-0087	EA	1/2" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	27.04
23 11 23 00-0088	EA	3/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	28.23
23 11 23 00-0089	EA	1" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	33.31
23 11 23 00-0090	EA	1-1/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	39.80
23 11 23 00-0091	Flush Mount Gas Valve Kits For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
	Note: Includes flush fitting plastic valve box and 90 degree brass shut-off valve.		
23 11 23 00-0092	EA	1/2" x 1/2", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	75.52
23 11 23 00-0093	EA	3/4" x 3/4", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	84.99
23 11 23 00-0094	Shut-Off Valves For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0095	EA	3/8" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	54.85
23 11 23 00-0096	EA	1/2" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	63.91
23 11 23 00-0097	EA	3/4" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	78.30
23 11 23 00-0098	EA	1" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	98.39
23 11 23 00-0099	Manifolds For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
	Note: Includes mounting hardware.		
23 11 23 00-0100	EA	1/2" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	67.22
23 11 23 00-0101	EA	3/4" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	76.57
23 11 23 00-0102	EA	1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	97.60
23 11 23 00-0103	EA	3/4" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	79.46
23 11 23 00-0104	EA	2" x 1-1/2" Inlet, Four 1" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	154.62
23 11 23 00-0105	Pressure Regulators For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0106	EA	1/2" Port, 250 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	70.84
23 11 23 00-0107	EA	1/2" Port, 355 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	70.84
23 11 23 00-0108	EA	1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	97.60
23 11 23 00-0109	EA	3/4" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	105.37
23 11 23 00-0110	EA	3/4" Port, 810 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	105.37
23 11 23 00-0111	EA	1" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	120.93
23 11 23 00-0112	EA	1-1/4" Port, 1,000 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	178.30
23 11 23 00-0113	EA	1/2" Port, 200 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	92.87
23 11 23 00-0114	EA	3/4" Port, 425 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	226.58
23 11 23 00-0115	EA	1-1/4" Port, 900 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	546.16
23 11 23 00-0116	Polymer Coated Stainless Steel, Flexible Gas Appliance Connectors (Brass Craft) (23 11 23)		
23 11 23 00-0117	3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0118	EA	12" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-12).....	45.96
23 11 23 00-0119	EA	18" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-18).....	51.20
23 11 23 00-0120	EA	24" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-24).....	56.22
23 11 23 00-0121	EA	30" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-30).....	59.23

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Facility Fuel Systems

23 10

Facility Fuel Piping

23 11

23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0122	EA	36" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-36).....	63.18	15.87
23 11 23 00-0123	EA	48" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-48).....	72.55	16.80
23 11 23 00-0124	EA	60" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-60).....	81.02	16.80
23 11 23 00-0125	EA	72" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-72).....	89.40	17.74
23 11 23 00-0126		3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0127	EA	12" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-12).....	45.96	14.00
23 11 23 00-0128	EA	18" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-18).....	51.20	14.93
23 11 23 00-0129	EA	24" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-24).....	56.22	14.93
23 11 23 00-0130	EA	30" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-30).....	59.23	15.87
23 11 23 00-0131	EA	36" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-36).....	63.18	15.87
23 11 23 00-0132	EA	48" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-48).....	72.55	16.80
23 11 23 00-0133	EA	60" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-60).....	81.02	16.80
23 11 23 00-0134	EA	72" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-72).....	89.40	17.74
23 11 23 00-0135		3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0136	EA	12" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-12).....	45.96	14.00
23 11 23 00-0137	EA	18" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-18).....	51.20	14.93
23 11 23 00-0138	EA	24" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-24).....	56.22	14.93
23 11 23 00-0139	EA	30" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-30).....	59.23	15.87
23 11 23 00-0140	EA	36" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-36).....	63.18	15.87
23 11 23 00-0141	EA	48" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-48).....	72.55	16.80
23 11 23 00-0142	EA	60" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-60).....	81.02	16.80
23 11 23 00-0143	EA	72" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-72).....	89.40	17.74
23 11 23 00-0144		3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0145	EA	12" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-12).....	45.96	14.00
23 11 23 00-0146	EA	18" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-18).....	51.20	14.93
23 11 23 00-0147	EA	24" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-24).....	69.86	14.93
23 11 23 00-0148	EA	30" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-30).....	59.23	15.87
23 11 23 00-0149	EA	36" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-36).....	63.18	15.87
23 11 23 00-0150	EA	48" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-48).....	72.55	16.80
23 11 23 00-0151	EA	60" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-60).....	81.02	16.80
23 11 23 00-0152	EA	72" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-72).....	89.40	17.74
23 11 23 00-0153		3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0154	EA	12" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-12).....	51.22	14.00
23 11 23 00-0155	EA	18" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-18).....	57.73	14.93
23 11 23 00-0156	EA	24" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-24).....	56.22	14.93
23 11 23 00-0157	EA	30" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-30).....	67.56	15.87
23 11 23 00-0158	EA	36" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-36).....	63.18	15.87

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0159	EA	48" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-48).....	72.55	16.80	
23 11 23 00-0160	EA	60" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-60).....	81.02	16.80	
23 11 23 00-0161	EA	72" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-72).....	89.40	17.74	
23 11 23 00-0162		3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)			
23 11 23 00-0163	EA	12" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-12).....	45.96	14.00	
23 11 23 00-0164	EA	24" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-24).....	63.94	14.93	
23 11 23 00-0165	EA	30" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-30).....	59.23	15.87	
23 11 23 00-0166	EA	36" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-36).....	63.18	15.87	
23 11 23 00-0167	EA	48" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-48).....	72.55	16.80	
23 11 23 00-0168	EA	60" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-60).....	94.92	16.80	
23 11 23 00-0169	EA	72" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-72).....	89.40	17.74	
23 11 23 00-0170		3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)			
23 11 23 00-0171	EA	12" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-12).....	45.96	14.00	
23 11 23 00-0172	EA	18" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-18).....	51.20	14.93	
23 11 23 00-0173	EA	24" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-24).....	56.22	14.93	
23 11 23 00-0174	EA	30" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-30).....	59.23	15.87	
23 11 23 00-0175	EA	36" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-36).....	63.18	15.87	
23 11 23 00-0176	EA	48" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-48).....	72.55	16.80	
23 11 23 00-0177	EA	60" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-60).....	81.02	16.80	
23 11 23 00-0178	EA	72" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-72).....	89.40	17.74	
23 11 23 00-0179		3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)			
23 11 23 00-0180	EA	12" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-12).....	45.96	14.00	
23 11 23 00-0181	EA	18" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-18).....	51.20	14.93	
23 11 23 00-0182	EA	24" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-24).....	56.22	14.93	
23 11 23 00-0183	EA	30" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-30).....	59.23	15.87	
23 11 23 00-0184	EA	36" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-36).....	63.18	15.87	
23 11 23 00-0185	EA	48" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-48).....	72.55	16.80	
23 11 23 00-0186	EA	60" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-60).....	81.02	16.80	
23 11 23 00-0187	EA	72" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-72).....	89.40	17.74	
23 11 23 00-0188		3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)			
23 11 23 00-0189	EA	18" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-18).....	57.73	14.93	
23 11 23 00-0190	EA	24" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-24).....	56.22	14.93	
23 11 23 00-0191	EA	30" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-30).....	67.56	15.87	
23 11 23 00-0192	EA	36" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-36).....	72.39	15.87	
23 11 23 00-0193	EA	48" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-48).....	84.25	16.80	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Facility Fuel Systems

23 10

Facility Fuel Piping

23 11**23**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0194		1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0195	EA	12" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-12)	45.96	14.00
23 11 23 00-0196	EA	18" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-18)	51.20	14.93
23 11 23 00-0197	EA	24" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-24)	50.76	14.93
23 11 23 00-0198	EA	30" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-30)	59.23	15.87
23 11 23 00-0199	EA	36" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-36)	56.65	15.87
23 11 23 00-0200	EA	48" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-48)	74.54	16.80
23 11 23 00-0201	EA	60" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-60)	81.02	16.80
23 11 23 00-0202	EA	72" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-72)	89.40	17.74
23 11 23 00-0203		1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0204	EA	12" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-12)	45.96	14.00
23 11 23 00-0205	EA	18" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-18)	46.75	14.93
23 11 23 00-0206	EA	24" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-24)	47.75	14.93
23 11 23 00-0207	EA	30" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-30)	59.23	15.87
23 11 23 00-0208	EA	36" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-36)	63.18	15.87
23 11 23 00-0209	EA	48" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-48)	64.03	16.80
23 11 23 00-0210	EA	60" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-60)	81.02	16.80
23 11 23 00-0211	EA	72" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-72)	89.40	17.74
23 11 23 00-0212		1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0213	EA	12" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-12)	45.96	14.00
23 11 23 00-0214	EA	18" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-18)	51.20	14.93
23 11 23 00-0215	EA	24" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-24)	56.22	14.93
23 11 23 00-0216	EA	30" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-30)	59.23	15.87
23 11 23 00-0217	EA	36" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-36)	52.11	15.87
23 11 23 00-0218	EA	48" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-48)	72.55	16.80
23 11 23 00-0219	EA	60" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-60)	81.02	16.80
23 11 23 00-0220	EA	72" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-72)	89.40	17.74
23 11 23 00-0221		3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0222	EA	12" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-12)	64.69	14.00
23 11 23 00-0223	EA	18" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-18)	69.89	14.93
23 11 23 00-0224	EA	24" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-24)	74.91	14.93
23 11 23 00-0225	EA	30" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-30)	77.90	15.87
23 11 23 00-0226	EA	36" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-36)	82.02	15.87
23 11 23 00-0227	EA	48" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-48)	90.81	16.80
23 11 23 00-0228	EA	60" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-60)	100.03	16.80
23 11 23 00-0229	EA	72" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-72)	108.43	17.74

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0230		3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0231	EA	12" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-12)	74.02	18.67
23 11 23 00-0232	EA	18" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-18)	79.23	19.60
23 11 23 00-0233	EA	24" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-24)	84.24	19.60
23 11 23 00-0234	EA	30" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-30)	87.24	20.53
23 11 23 00-0235	EA	36" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-36)	91.35	20.53
23 11 23 00-0236	EA	48" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-48)	100.14	21.47
23 11 23 00-0237	EA	60" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-60)	109.37	21.47
23 11 23 00-0238	EA	72" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-72)	117.76	22.40
23 11 23 00-0239		3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0240	EA	12" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12)	74.02	18.67
23 11 23 00-0241	EA	18" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18)	79.23	19.60
23 11 23 00-0242	EA	24" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24)	84.24	19.60
23 11 23 00-0243	EA	30" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30)	87.24	20.53
23 11 23 00-0244	EA	36" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36)	91.35	20.53
23 11 23 00-0245	EA	48" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48)	100.14	21.47
23 11 23 00-0246	EA	60" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60)	109.37	21.47
23 11 23 00-0247	EA	72" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-72)	117.76	22.40
23 11 23 00-0248		3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0249	EA	12" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12)	89.24	18.67
23 11 23 00-0250	EA	18" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18)	94.46	19.60
23 11 23 00-0251	EA	24" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24)	99.46	19.60
23 11 23 00-0252	EA	30" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30)	102.46	20.53
23 11 23 00-0253	EA	36" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36)	106.60	20.53
23 11 23 00-0254	EA	48" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48)	115.37	21.47
23 11 23 00-0255	EA	60" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60)	124.61	21.47
23 11 23 00-0256		3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0257	EA	12" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-12)	89.24	18.67
23 11 23 00-0258	EA	18" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-18)	94.46	19.60
23 11 23 00-0259	EA	24" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-24)	99.46	19.60
23 11 23 00-0260	EA	36" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-36)	106.60	20.53
23 11 23 00-0261	EA	48" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-48)	115.37	21.47
23 11 23 00-0262	EA	60" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-60)	124.61	21.47
23 11 23 00-0263		1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0264	EA	12" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-12)	89.24	18.67
23 11 23 00-0265	EA	18" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-18)	94.46	19.60

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Facility Fuel Systems

23 10

Facility Fuel Piping

23 11

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0266 EA 24" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-24).....	99.46	19.60
23 11 23 00-0267 EA 30" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-30).....	102.46	20.53
23 11 23 00-0268 EA 36" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-36).....	106.60	20.53
23 11 23 00-0269 EA 48" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-48).....	115.37	21.47
23 11 23 00-0270 EA 60" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-60).....	124.61	21.47
23 11 23 00-0271 EA 72" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-72).....	132.99	22.40
23 11 23 00-0272 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0273 EA 12" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-12).....	70.00	18.67
23 11 23 00-0274 EA 18" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-18).....	75.24	19.60
23 11 23 00-0275 EA 24" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-24).....	80.28	19.60
23 11 23 00-0276 EA 30" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-30).....	83.23	20.53
23 11 23 00-0277 EA 36" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-36).....	87.36	20.53
23 11 23 00-0278 EA 48" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-48).....	96.12	21.47
23 11 23 00-0279 EA 72" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-72).....	113.71	22.40
23 11 23 00-0280 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0281 EA 18" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-18).....	86.07	19.60
23 11 23 00-0282 EA 24" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-24).....	92.30	19.60
23 11 23 00-0283 Quarter-Turn, Gas Ball Valve (23 11 23)		
23 11 23 00-0284 EA 3/8" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-102).....	40.01	9.93
23 11 23 00-0285 EA 1/2" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-103).....	39.38	10.14
23 11 23 00-0286 EA 3/4" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-104).....	57.93	11.15
23 11 23 00-0287 EA 3/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-112).....	39.55	9.93
23 11 23 00-0288 EA 1/2" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-113).....	41.57	10.14
23 11 23 00-0289 EA 1/2" Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-118).....	48.01	10.14
23 11 23 00-0290 EA 5/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-121).....	50.98	10.64
23 11 23 00-0291 EA 5/8" (7/8"-14) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-114).....	54.26	10.64
23 11 23 00-0292 EA 5/8" (15/16"-16) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-115).....	54.26	10.64
23 11 23 00-0293 EA 3/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-312).....	42.00	9.93
23 11 23 00-0294 EA 1/2" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-313).....	44.02	10.14
23 11 23 00-0295 EA 5/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-314).....	55.99	10.64
23 11 23 00-0296 EA 1/2" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-413).....	44.34	10.14
23 11 23 00-0297 EA 3/4" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-414).....	59.78	11.15
23 11 23 00-0298 EA 3/8" (9/16"-24) Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-119).....	41.88	9.93
23 11 23 00-0299 EA 3/8" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-612).....	39.23	9.93
23 11 23 00-0300 EA 1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-613).....	39.37	10.14
23 11 23 00-0301 EA 3/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-614).....	54.40	11.15
23 11 23 00-0302 EA 1" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-615).....	76.02	12.67
23 11 23 00-0303 EA 1-1/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-616).....	112.66	13.17
23 11 23 00-0304 EA 1-1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-617).....	134.97	15.20
23 11 23 00-0305 EA 2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-618).....	168.29	18.24
23 11 23 00-0306 EA 1/2" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-713).....	40.79	10.14
23 11 23 00-0307 EA 3/4" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-714).....	53.96	11.15
23 11 23 00-0308 Gas Stops (23 11 23)		
23 11 23 00-0309 Brass/Bronze Gas Stops (23 11 23 00-0308) Note: Flat or square head		
23 11 23 00-0310 EA 3/8" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	45.26	10.14
23 11 23 00-0311 EA 1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	45.40	10.14
23 11 23 00-0312 EA 3/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	59.65	11.15
23 11 23 00-0313 EA 1" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	83.37	12.67
23 11 23 00-0314 EA 1-1/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	110.72	13.48
23 11 23 00-0315 EA 1-1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	139.08	15.61

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0316	EA	2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	.....	191.95	18.44
23 11 23 00-0317		Iron Body Gas Stops (23 11 23 00-0308)			
23 11 23 00-0318	EA	1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	.....	60.53	10.14
23 11 23 00-0319	EA	3/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	.....	74.54	11.15
23 11 23 00-0320	EA	1" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	.....	92.35	12.67
23 11 23 00-0321	EA	1-1/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	.....	119.44	13.48
23 11 23 00-0322	EA	1-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	.....	150.03	15.61
23 11 23 00-0323	EA	2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	.....	194.44	18.44
23 11 23 00-0324	EA	2-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	.....	374.10	24.92
23 11 23 00-0325	EA	3" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	.....	500.74	28.93
23 11 23 00-0326		Bronze Body Solenoid Valves, 150 PSI Gas (23 11 23)			
23 11 23 00-0327	EA	1/4" Solenoid Valve, Bronze, 150 PSI, Gas	.....	151.83	10.14
23 11 23 00-0328	EA	1/2" Solenoid Valve, Bronze, 150 PSI, Gas	.....	176.93	10.14
23 11 23 00-0329	EA	3/4" Solenoid Valve, Bronze, 150 PSI, Gas	.....	225.43	11.15
23 11 23 00-0330	EA	1" Solenoid Valve, Bronze, 150 PSI, Gas	.....	337.42	12.67
23 11 23 00-0331	EA	1-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	.....	602.42	15.61
23 11 23 00-0332	EA	2" Solenoid Valve, Bronze, 150 PSI, Gas	.....	1,022.95	18.44
23 11 23 00-0333	EA	2-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	.....	1,267.94	24.92
23 11 23 00-0334	EA	3" Solenoid Valve, Bronze, 150 PSI, Gas	.....	1,907.98	28.93
23 11 26		Facility Liquefied-Petroleum Gas Piping (23 11)			
23 11 26 00-0001		Fiberglass Reinforced Plastic Pipe And Fittings (23 11 26)			
23 11 26 00-0002		Fiberglass Reinforced Plastic Pipe (23 11 26 00-0001)			
Note: For double containment fiberglass pipe, select both outer containment pipe size and inner containment pipe size (include in modifier for use as inner pipe).					
23 11 26 00-0003	LF	2" Fiberglass Reinforced Plastic Pipe	.....	16.68	6.72
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	.....	-7.52	
23 11 26 00-0004	LF	3" Fiberglass Reinforced Plastic Pipe	.....	20.00	8.03
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	.....	-9.03	
23 11 26 00-0005	LF	4" Fiberglass Reinforced Plastic Pipe	.....	26.88	11.85
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	.....	-13.31	
23 11 26 00-0006	LF	5" Fiberglass Reinforced Plastic Pipe	.....	31.38	13.62
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	.....	-14.99	
23 11 26 00-0007	LF	6" Fiberglass Reinforced Plastic Pipe	.....	36.52	15.22
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	.....	-17.15	
23 11 26 00-0008	LF	8" Fiberglass Reinforced Plastic Pipe	.....	49.01	18.13
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	.....	-20.37	
23 11 26 00-0009	LF	10" Fiberglass Reinforced Plastic Pipe	.....	64.27	21.56
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	.....	-24.29	
23 11 26 00-0010	LF	12" Fiberglass Reinforced Plastic Pipe	.....	95.46	27.15
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	.....	-30.56	
23 11 26 00-0011		Fiberglass Reinforced Plastic Fittings (23 11 26 00-0001)			
23 11 26 00-0012		Fiberglass Reinforced Plastic Flanged 90 Degree Elbows (23 11 26 00-0011)			
23 11 26 00-0013	EA	2" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	.....	133.45	66.92
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	.....	-75.28	
23 11 26 00-0014	EA	3" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	.....	157.93	80.36
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	.....	-90.33	
23 11 26 00-0015	EA	4" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	.....	188.12	93.34
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	.....	-104.93	
23 11 26 00-0016	EA	5" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	.....	227.87	107.27
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	.....	-118.33	
23 11 26 00-0017	EA	6" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	.....	272.42	120.35
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	.....	-135.32	
23 11 26 00-0018	EA	8" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	.....	382.93	150.39
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	.....	-169.16	
23 11 26 00-0019	EA	10" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	.....	487.99	181.16
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	.....	-203.72	
23 11 26 00-0020	EA	12" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	.....	727.10	224.64
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	.....	-252.61	
23 11 26 00-0021		Fiberglass Reinforced Plastic Flanged 45 Degree Elbows (23 11 26 00-0011)			
23 11 26 00-0022	EA	2" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	.....	133.70	66.92
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	.....	-75.28	
23 11 26 00-0023	EA	3" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	.....	158.00	80.36
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	.....	-90.33	
23 11 26 00-0024	EA	4" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	.....	188.38	93.43
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	.....	-105.01	
23 11 26 00-0025	EA	5" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	.....	233.47	110.98
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	.....	-122.51	
23 11 26 00-0026	EA	6" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	.....	272.33	120.35
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	.....	-135.32	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Facility Fuel Systems

23 10

Facility Fuel Piping

23 11**23**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0027	EA	8" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	382.93	150.39
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-169.16	
23 11 26 00-0028	EA	10" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	560.58	181.16
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-203.72	
23 11 26 00-0029	EA	12" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	727.10	224.64
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-252.61	
23 11 26 00-0030 Fiberglass Reinforced Plastic Flanged Tees (23 11 26 00-0011)				
23 11 26 00-0031	EA	2" Fiberglass Reinforced Plastic Flanged Tee	210.62	100.43
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-112.91	
23 11 26 00-0032	EA	3" Fiberglass Reinforced Plastic Flanged Tee	257.75	120.97
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-135.99	
23 11 26 00-0033	EA	4" Fiberglass Reinforced Plastic Flanged Tee	295.44	140.10
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-157.53	
23 11 26 00-0034	EA	5" Fiberglass Reinforced Plastic Flanged Tee	362.73	166.42
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-183.83	
23 11 26 00-0035	EA	6" Fiberglass Reinforced Plastic Flanged Tee	421.44	181.16
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-203.72	
23 11 26 00-0036	EA	8" Fiberglass Reinforced Plastic Flanged Tee	527.35	224.64
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-252.61	
23 11 26 00-0037	EA	10" Fiberglass Reinforced Plastic Flanged Tee	768.75	271.73
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-305.57	
23 11 26 00-0038	EA	12" Fiberglass Reinforced Plastic Flanged Tee	999.41	330.37
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-371.48	
23 11 26 00-0039 Fiberglass Reinforced Plastic Flanged Wyes (23 11 26 00-0011)				
23 11 26 00-0040	EA	2" Fiberglass Reinforced Plastic Flanged Wye	251.28	100.43
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-112.91	
23 11 26 00-0041	EA	3" Fiberglass Reinforced Plastic Flanged Wye	315.71	120.78
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-135.81	
23 11 26 00-0042	EA	4" Fiberglass Reinforced Plastic Flanged Wye	369.34	140.10
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-157.52	
23 11 26 00-0043	EA	5" Fiberglass Reinforced Plastic Flanged Wye	425.67	166.42
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-183.83	
23 11 26 00-0044	EA	6" Fiberglass Reinforced Plastic Flanged Wye	473.41	181.16
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-203.72	
23 11 26 00-0045	EA	8" Fiberglass Reinforced Plastic Flanged Wye	609.54	224.64
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-252.61	
23 11 26 00-0046	EA	10" Fiberglass Reinforced Plastic Flanged Wye	872.41	271.73
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-305.57	
23 11 26 00-0047	EA	12" Fiberglass Reinforced Plastic Flanged Wye	1,112.41	330.37
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-371.48	
23 11 26 00-0048 Fiberglass Reinforced Plastic Flanged Concentric Reducers (23 11 26 00-0011)				
23 11 26 00-0049	EA	2" Fiberglass Reinforced Plastic Flanged Concentric Reducer	151.27	66.92
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-75.28	
23 11 26 00-0050	EA	3" Fiberglass Reinforced Plastic Flanged Concentric Reducer	190.61	80.36
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-90.33	
23 11 26 00-0051	EA	4" Fiberglass Reinforced Plastic Flanged Concentric Reducer	213.50	93.43
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-105.01	
23 11 26 00-0052	EA	5" Fiberglass Reinforced Plastic Flanged Concentric Reducer	248.26	110.98
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-122.51	
23 11 26 00-0053	EA	6" Fiberglass Reinforced Plastic Flanged Concentric Reducer	276.77	120.35
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-135.32	
23 11 26 00-0054	EA	8" Fiberglass Reinforced Plastic Flanged Concentric Reducer	359.83	150.39
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-169.16	
23 11 26 00-0055	EA	10" Fiberglass Reinforced Plastic Flanged Concentric Reducer	450.38	181.16
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-203.72	
23 11 26 00-0056	EA	12" Fiberglass Reinforced Plastic Flanged Concentric Reducer	595.79	224.64
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-252.61	
23 11 26 00-0057 Fiberglass Reinforced Plastic Bell x Male Or Female Adapters (23 11 26 00-0011)				
23 11 26 00-0058	EA	2" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	133.10	66.92
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-75.28	
23 11 26 00-0059	EA	3" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	155.91	80.36
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-90.33	
23 11 26 00-0060	EA	4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	178.83	93.43
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-105.01	
23 11 26 00-0061	EA	6" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	214.30	110.98
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-122.51	
23 11 26 00-0062	EA	8" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	243.54	120.35
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-135.32	
23 11 26 00-0063	EA	10" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	268.27	150.39
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-169.16	
23 11 26 00-0064	EA	12" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	333.03	181.16
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-203.72	
23 11 26 00-0065	EA	14" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	470.33	224.64
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-252.61	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 11 26 00-0066 Fiberglass Reinforced Plastic Nipples (23 11 26 00-0011)			
23 11 26 00-0067	EA 2" x 6" Fiberglass Reinforced Plastic Nipple	21.08	8.03
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-9.03	
23 11 26 00-0068	EA 2" x 12" Fiberglass Reinforced Plastic Nipple	42.09	16.05
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-18.02	
23 11 26 00-0069	EA 3" x 8" Fiberglass Reinforced Plastic Nipple	57.97	12.32
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-13.86	
23 11 26 00-0070	EA 3" x 12" Fiberglass Reinforced Plastic Nipple	69.46	16.87
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-18.97	
23 11 26 00-0071	EA 4" x 8" Fiberglass Reinforced Plastic Nipple	61.55	12.00
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-13.54	
23 11 26 00-0072	EA 4" x 12" Fiberglass Reinforced Plastic Nipple	77.26	18.05
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-20.30	
23 11 26 00-0073	EA 6" x 12" Fiberglass Reinforced Plastic Nipple	93.70	20.21
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-22.33	
23 11 26 00-0074	EA 6" x 12" Fiberglass Reinforced Plastic Nipple	110.15	21.65
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-24.38	
23 11 26 00-0075	EA 8" x 18" Fiberglass Reinforced Plastic Nipple	70.42	25.27
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-28.42	
23 11 26 00-0076	EA 8" x 24" Fiberglass Reinforced Plastic Nipple	97.46	36.09
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-40.57	
23 11 26 00-0077	EA 10" x 18" Fiberglass Reinforced Plastic Nipple	103.46	25.71
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-28.88	
23 11 26 00-0078	EA 10" x 24" Fiberglass Reinforced Plastic Nipple	155.23	38.43
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-43.26	
23 11 26 00-0079	EA 12" x 18" Fiberglass Reinforced Plastic Nipple	117.72	26.53
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-29.79	
23 11 26 00-0080	EA 12" x 24" Fiberglass Reinforced Plastic Nipple	158.53	39.70
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-44.69	
23 11 26 00-0081 Fiberglass Reinforced Plastic Sleeve Couplings (23 11 26 00-0011)			
23 11 26 00-0082	EA 2" Fiberglass Reinforced Plastic Sleeve Coupling	108.67	66.92
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-75.28	
23 11 26 00-0083	EA 3" Fiberglass Reinforced Plastic Sleeve Coupling	130.55	80.36
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-90.33	
23 11 26 00-0084	EA 4" Fiberglass Reinforced Plastic Sleeve Coupling	151.39	93.43
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-105.01	
23 11 26 00-0085	EA 5" Fiberglass Reinforced Plastic Sleeve Coupling	179.07	110.98
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-122.51	
23 11 26 00-0086	EA 6" Fiberglass Reinforced Plastic Sleeve Coupling	200.51	120.35
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-135.32	
23 11 26 00-0087	EA 8" Fiberglass Reinforced Plastic Sleeve Coupling	254.99	150.39
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-169.16	
23 11 26 00-0088	EA 10" Fiberglass Reinforced Plastic Sleeve Coupling	316.46	181.16
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-203.72	
23 11 26 00-0089	EA 12" Fiberglass Reinforced Plastic Sleeve Coupling	389.68	224.64
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-252.61	
23 11 26 00-0090 Fiberglass Reinforced Plastic Flanges (23 11 26 00-0011)			
23 11 26 00-0091	EA 2" Fiberglass Reinforced Plastic Flange	109.71	66.92
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-75.28	
23 11 26 00-0092	EA 3" Fiberglass Reinforced Plastic Flange	131.92	80.36
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-90.33	
23 11 26 00-0093	EA 4" Fiberglass Reinforced Plastic Flange	150.61	90.13
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-101.31	
23 11 26 00-0094	EA 5" Fiberglass Reinforced Plastic Flange	178.70	107.27
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-118.41	
23 11 26 00-0095	EA 6" Fiberglass Reinforced Plastic Flange	206.53	120.35
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-135.32	
23 11 26 00-0096	EA 8" Fiberglass Reinforced Plastic Flange	251.37	143.98
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-161.93	
23 11 26 00-0097	EA 10" Fiberglass Reinforced Plastic Flange	325.83	181.16
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-203.72	
23 11 26 00-0098	EA 12" Fiberglass Reinforced Plastic Flange	427.16	224.64
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-252.61	
23 11 26 00-0099 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary			
Containment Casing And Fittings (23 11 26)			
23 11 26 00-0100 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary			
Containment Casing (23 11 26 00-0099)			
23 11 26 00-0101	LF 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	69.20	28.84
23 11 26 00-0102	LF 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	82.31	34.17
23 11 26 00-0103	LF 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	111.34	50.40
23 11 26 00-0104	LF 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	151.39	65.34
23 11 26 00-0105	LF 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	201.81	77.58
23 11 26 00-0106	LF 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	262.67	92.02



Heating, Ventilating, and Air-Conditioning (HVAC)			23
Facility Fuel Systems			23 10
Facility Fuel Piping			23 11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0107	LF	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	334.24	116.11
23 11 26 00-0108		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Fittings (23 11 26 00-0099)		
23 11 26 00-0109		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbows (23 11 26 00-0108)		
23 11 26 00-0110	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	1,086.50	356.92
23 11 26 00-0111	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	1,267.25	428.42
23 11 26 00-0112	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	1,550.22	497.87
23 11 26 00-0113	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	2,495.64	641.71
23 11 26 00-0114	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	3,826.78	802.29
23 11 26 00-0115	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	5,054.37	965.22
23 11 26 00-0116	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	6,664.25	1,195.27
23 11 26 00-0117		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbows (23 11 26 00-0108)		
23 11 26 00-0118	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	1,087.70	356.92
23 11 26 00-0119	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	1,265.15	428.42
23 11 26 00-0120	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	1,548.57	497.87
23 11 26 00-0121	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	2,485.92	641.71
23 11 26 00-0122	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	3,812.71	802.29
23 11 26 00-0123	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	5,035.68	965.68
23 11 26 00-0124	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	6,642.20	1,197.98
23 11 26 00-0125		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tees (23 11 26 00-0108)		
23 11 26 00-0126	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	1,548.55	535.40
23 11 26 00-0127	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	1,916.47	645.26
23 11 26 00-0128	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	2,180.63	747.18
23 11 26 00-0129	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	3,308.66	966.12
23 11 26 00-0130	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	4,162.02	1,197.98
23 11 26 00-0131	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	6,656.49	1,447.51
23 11 26 00-0132	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	8,890.62	1,755.07
23 11 26 00-0133		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wyes (23 11 26 00-0108)		
23 11 26 00-0134	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	2,053.39	535.40
23 11 26 00-0135	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	2,637.83	644.51
23 11 26 00-0136	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	3,098.49	747.18
23 11 26 00-0137	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	3,953.94	966.12
23 11 26 00-0138	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	5,182.51	1,197.98
23 11 26 00-0139	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	7,943.66	1,447.51
23 11 26 00-0140	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	10,293.71	1,755.07
23 11 26 00-0141		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducers (23 11 26 00-0108)		
23 11 26 00-0142	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	1,167.06	356.92
23 11 26 00-0143	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	1,513.62	428.42
23 11 26 00-0144	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	1,658.93	497.87
23 11 26 00-0145	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	2,158.33	641.71
23 11 26 00-0146	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	2,870.33	802.29
23 11 26 00-0147	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	3,666.75	965.22
23 11 26 00-0148	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	5,007.65	1,195.27

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 11 26 00-0149		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapters (23 11 26 00-0108)			
23 11 26 00-0150	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	941.44		356.92
23 11 26 00-0151	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,082.74		428.42
23 11 26 00-0152	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,228.46		497.87
23 11 26 00-0153	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,745.73		641.71
23 11 26 00-0154	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,733.50		802.29
23 11 26 00-0155	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	2,209.56		965.22
23 11 26 00-0156	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	3,449.91		1,195.27
23 11 26 00-0157		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipples (23 11 26 00-0108)			
23 11 26 00-0158	EA	2" x 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	176.43		42.84
23 11 26 00-0159	EA	2" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	352.51		85.49
23 11 26 00-0160	EA	3" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	588.87		65.71
23 11 26 00-0161	EA	3" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	683.33		89.95
23 11 26 00-0162	EA	4" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	636.40		64.15
23 11 26 00-0163	EA	4" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	767.58		96.26
23 11 26 00-0164	EA	6" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,137.37		115.66
23 11 26 00-0165	EA	8" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	605.97		134.79
23 11 26 00-0166	EA	8" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	827.00		192.43
23 11 26 00-0167	EA	10" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,011.88		136.95
23 11 26 00-0168	EA	10" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,518.72		205.15
23 11 26 00-0169	EA	12" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,180.32		141.28
23 11 26 00-0170	EA	12" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,546.43		211.91
23 11 26 00-0171		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanges (23 11 26 00-0108)			
23 11 26 00-0172	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	913.21		480.50
23 11 26 00-0173	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	1,286.18		641.71
23 11 26 00-0174	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	1,592.00		768.11
23 11 26 00-0175	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	2,120.23		965.22
23 11 26 00-0176	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	2,913.91		1,195.27
23 12 Facility Fuel Pumps (23 10)					
23 12 13 Facility Fuel-Oil Pumps (23 12)					
23 12 13 00-0001		Cast Iron Internal Gear Rotary Pump (23 12 13)			
Note: Heavy duty type with relief valve, 1150 RPM drip-proof motor, common base plate. For viscosity to 20 centipoise; diesel oil, and light oil.					
23 12 13 00-0002		10 GPM 1" Discharge (23 12 13 00-0001)			
23 12 13 00-0003	EA	10 GPM Cast Iron Rotary Pump, 20 PSI 1/2 HP With 1" Discharge	903.55		270.85
23 12 13 00-0004	EA	10 GPM Cast Iron Rotary Pump, 40 PSI 3/4 HP With 1" Discharge	969.75		327.82
23 12 13 00-0005	EA	10 GPM Cast Iron Rotary Pump, 60 PSI 1 HP With 1" Discharge	1,077.56		389.47
23 12 13 00-0006		25 GPM 1-1/4" Discharge (23 12 13 00-0001)			
23 12 13 00-0007	EA	25 GPM Cast Iron Rotary Pump, 20 PSI 1 HP With 1-1/4" Discharge	1,032.86		270.85
23 12 13 00-0008	EA	25 GPM Cast Iron Rotary Pump, 40 PSI 1.5 HP With 1-1/4" Discharge	1,096.71		327.82
23 12 13 00-0009	EA	25 GPM Cast Iron Rotary Pump, 60 PSI 2 HP With 1-1/4" Discharge	1,160.39		389.47
23 12 13 00-0010		Pump, Fuel Oil, 2 Stage 3450 RPM 100 PSI (23 12 13)			
23 12 13 00-0011	EA	1/4 HP Pump Fuel Oil/Diesel	704.00		151.77
23 12 13 00-0012	EA	1/3 HP Pump Fuel Oil/Diesel	819.90		169.99
23 12 13 00-0013	EA	1/2 HP Pump Fuel Oil/Diesel	900.76		190.53
23 12 13 00-0014	EA	3/4 HP Pump Fuel Oil/Diesel	989.11		214.81
23 12 13 00-0015	EA	1 HP Pump Fuel Oil/Diesel	1,333.16		239.10
23 12 13 00-0016	EA	1-1/2 HP Pump Fuel Oil/Diesel	1,607.63		267.58
23 12 13 00-0017	EA	2 HP Pump Fuel Oil/Diesel	1,784.61		299.80
23 12 13 00-0018	EA	3 HP Pump Fuel Oil/Diesel	2,148.05		335.30
23 12 13 00-0019	EA	5 HP Pump Fuel Oil/Diesel	2,514.23		375.93
23 12 13 00-0020	EA	7.5 HP Pump Fuel Oil/Diesel	2,815.76		421.69
23 12 13 00-0021	EA	10 HP Pump Fuel Oil/Diesel	3,156.76		472.68

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Facility Fuel Systems

23 10

Facility Fuel Pumps

23 12

23

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 12 23 Facility Natural-Gas Pumps (23 12)				
23 12 23 00-0001 Natural Gas Booster Pump (23 12 23)				
23 12 23 00-0002	EA	Natural Gas Booster Pump, 3/4" Outlet Size.....	845.65	140.10
23 12 23 00-0003	EA	Natural Gas Booster Pump, 1" Outlet Size.....	998.85	156.44
23 12 23 00-0004	EA	Natural Gas Booster Pump, 1-1/4" Outlet Size.....	1,114.80	163.45
23 12 23 00-0005	EA	Natural Gas Booster Pump, 1-1/2" Outlet Size.....	1,258.55	170.45
23 12 23 00-0006	EA	Natural Gas Booster Pump, 2" Outlet Size.....	1,416.22	175.12
23 13 Facility Fuel-Storage Tanks (23 10)				
23 13 13 Facility Underground Fuel-Oil, Storage Tanks (23 13)				
23 13 13 13 Double-Wall Steel, Underground Fuel-Oil, Storage Tanks (23 13 13)				
23 13 13 13-0001 Coated Underground Double Wall Storage Tanks (23 13 13 13)				
Note: Includes setting in place with hold down bars and manway and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes excavation, pad, plastic lining, pumps and piping.				
23 13 13 13-0002	EA	250 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	8,146.18	648.81
23 13 13 13-0003	EA	550 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	8,769.70	648.81
23 13 13 13-0004	EA	1,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	12,596.35	810.97
23 13 13 13-0005	EA	2,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	17,536.09	1,584.00
23 13 13 13-0006	EA	3,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	27,629.35	2,036.46
23 13 13 13-0007	EA	4,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	30,822.30	2,338.94
23 13 13 13-0008	EA	5,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	33,614.58	3,092.57
23 13 13 13-0009	EA	6,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	34,834.10	3,320.41
23 13 13 13-0010	EA	8,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	42,435.85	3,922.65
23 13 13 13-0011	EA	10,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	49,135.48	4,524.48
23 13 13 13-0012	EA	12,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	62,365.71	4,975.53
23 13 13 13-0013	EA	14,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	74,019.16	6,041.09
23 13 13 13-0014	EA	15,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	76,559.89	6,411.17
23 13 13 13-0015	EA	20,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	95,326.81	10,169.45
23 13 13 13-0016	EA	25,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	117,568.07	13,187.29
23 13 13 13-0017	EA	30,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	138,251.63	15,088.66
23 13 13 13-0018	EA	40,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	175,891.49	16,220.31
23 13 13 13-0019	EA	48,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	235,070.67	16,636.25
23 13 13 23 Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks (23 13 13)				
23 13 13 23-0001 Underground Fiberglass Storage Tanks (23 13 13 23)				
23 13 13 23-0002 Single Wall Fiberglass Underground Storage Tanks (23 13 13 23-0001)				
Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.				
23 13 13 23-0003	EA	550 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	3,012.54	648.81
23 13 13 23-0004	EA	1,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	3,782.64	810.97
23 13 13 23-0005	EA	2,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	4,916.82	1,003.40
23 13 13 23-0006	EA	2,500 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	5,609.81	1,222.18
23 13 13 23-0007	EA	3,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	6,296.98	1,433.42
23 13 13 23-0008	EA	4,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	7,703.17	1,886.08
23 13 13 23-0009	EA	5,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	9,373.41	2,866.85
23 13 13 23-0010	EA	6,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	10,715.73	3,621.27
23 13 13 23-0011	EA	8,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	12,765.65	4,073.93
23 13 13 23-0012	EA	10,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	14,455.81	4,828.37
23 13 13 23-0013	EA	12,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	18,454.44	5,733.69
23 13 13 23-0014	EA	15,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	22,756.19	7,167.11
23 13 13 23-0015	EA	20,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	28,860.98	9,581.29
23 13 13 23-0016	EA	25,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	42,406.25	11,920.04
23 13 13 23-0017	EA	30,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	51,812.26	14,334.22
23 13 13 23-0018	EA	40,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	74,178.31	20,746.90
23 13 13 23-0019	EA	50,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	104,618.11	26,405.14
23 13 13 23-0020 Double Wall Fiberglass Underground Storage Tanks (23 13 13 23-0001)				
Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.				
23 13 13 23-0021	EA	550 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	5,643.59	648.81
23 13 13 23-0022	EA	1,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	7,424.67	810.97
23 13 13 23-0023	EA	2,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	8,904.36	980.76
23 13 13 23-0024	EA	3,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	11,627.54	1,433.53
23 13 13 23-0025	EA	4,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	13,144.78	1,886.08
23 13 13 23-0026	EA	5,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	15,355.48	2,866.85
23 13 13 23-0027	EA	6,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	17,230.85	3,621.27
23 13 13 23-0028	EA	8,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	21,057.62	4,073.93
23 13 13 23-0029	EA	10,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	22,747.79	4,828.37
23 13 13 23-0030	EA	12,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	27,486.77	5,733.69
23 13 13 23-0031	EA	15,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	37,600.31	7,167.11
23 13 13 23-0032	EA	20,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	46,777.57	9,581.29

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 13 23-0033 EA 30,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	72,097.98	14,334.22
23 13 13 23-0034 Underground Storage Tank Pump Enclosures (23 13 13 23)		
23 13 13 23-0035 EA Secondary Containment Collar	1,103.28	
23 13 13 23-0036 EA Turbine Enclosure With Lid 4' Long x 42" Diameter	1,103.28	
23 13 13 23-0037 EA Fitting Kit For Turbine Enclosure	220.66	
23 13 13 23-0038 EA Grommet Kits For Plumbing And Electrical	441.31	
23 13 13 23-0039 EA Turbine Electrical Coupling Kit	551.64	
23 13 23 Facility Aboveground Fuel-Oil, Storage Tanks (23 13)		
23 13 23 13 Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)		
23 13 23 13-0001 Rectangle Double Wall Steel Fuel Day Tank (23 13 23 13)		
Note: Includes day tank with standard equipment, pump, pump control, level control, backup level control, level alarms, alarm outputs.		
23 13 23 13-0002 EA 10 Gallon Double Wall Steel Day Tank (Tramont TRX)	1,150.76	121.68
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0003 EA 15 Gallon Double Wall Steel Day Tank (Tramont TRX)	1,236.33	127.76
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0004 EA 25 Gallon Double Wall Steel Day Tank (Tramont TRX)	1,342.39	136.88
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0005 EA 50 Gallon Double Wall Steel Day Tank (Tramont TRX)	1,544.44	146.01
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0006 EA 60 Gallon Double Wall Steel Day Tank (Tramont TRX)	1,724.30	152.09
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0007 EA 75 Gallon Double Wall Steel Day Tank (Tramont TRX)	2,032.12	182.51
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0008 EA 100 Gallon Double Wall Steel Day Tank (Tramont TRX)	2,741.09	212.93
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0009 EA 150 Gallon Double Wall Steel Day Tank (Tramont TRX)	3,474.05	243.34
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0010 EA 200 Gallon Double Wall Steel Day Tank (Tramont TRX)	4,464.14	273.76
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0011 EA 275 Gallon Double Wall Steel Day Tank (Tramont TRX)	4,975.97	304.18
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0012 EA 300 Gallon Double Wall Steel Day Tank (Tramont TRX)	5,691.05	365.02
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0013 EA 350 Gallon Double Wall Steel Day Tank (Tramont TRX)	6,371.85	425.85
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0014 EA 400 Gallon Double Wall Steel Day Tank (Tramont TRX)	7,073.23	486.69
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0015 EA 450 Gallon Double Wall Steel Day Tank (Tramont TRX)	7,854.19	517.11
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0016 EA 500 Gallon Double Wall Steel Day Tank (Tramont TRX)	8,640.30	547.53
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0017 EA 550 Gallon Double Wall Steel Day Tank (Tramont TRX)	9,534.39	577.94
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0018 EA 600 Gallon Double Wall Steel Day Tank (Tramont TRX)	10,315.35	608.36
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0019 EA 700 Gallon Double Wall Steel Day Tank (Tramont TRX)	11,478.11	730.04
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0020 EA 800 Gallon Double Wall Steel Day Tank (Tramont TRX)	12,380.05	790.87
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0021 EA 900 Gallon Double Wall Steel Day Tank (Tramont TRX)	13,578.79	912.55
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0022 EA 1,000 Gallon Double Wall Steel Day Tank (Tramont TRX)	14,782.70	1,034.22
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0023 EA 10 Gallon Double Wall Steel Day Tank (Tramont UTRX)	1,401.04	121.68
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0024 EA 15 Gallon Double Wall Steel Day Tank (Tramont UTRX)	1,488.32	127.76
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0025 EA 25 Gallon Double Wall Steel Day Tank (Tramont UTRX)	1,594.38	136.88
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0026 EA 50 Gallon Double Wall Steel Day Tank (Tramont UTRX)	1,794.72	146.01
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0027 EA 60 Gallon Double Wall Steel Day Tank (Tramont UTRX)	1,974.58	152.09
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0028 EA 75 Gallon Double Wall Steel Day Tank (Tramont UTRX)	2,284.12	182.51
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0029 EA 100 Gallon Double Wall Steel Day Tank (Tramont UTRX)	3,017.08	212.93
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0030 EA 150 Gallon Double Wall Steel Day Tank (Tramont UTRX)	3,750.04	243.34
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0031 EA 200 Gallon Double Wall Steel Day Tank (Tramont UTRX)	4,740.13	273.76
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0032 EA 275 Gallon Double Wall Steel Day Tank (Tramont UTRX)	5,251.96	304.18
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0033 EA 300 Gallon Double Wall Steel Day Tank (Tramont UTRX)	5,967.04	365.02
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0034 EA 350 Gallon Double Wall Steel Day Tank (Tramont UTRX)	6,647.84	425.85
Note: Includes rust-inhibitor coated interior and gray painted exterior.		

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Facility Fuel Systems

23 10

Facility Fuel-Storage Tanks

23 13

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0035 EA 400 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,349.22	486.69
23 13 23 13-0036 EA 450 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,130.19	517.11
23 13 23 13-0037 EA 500 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,916.29	547.53
23 13 23 13-0038 EA 550 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,812.10	577.94
23 13 23 13-0039 EA 600 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,593.06	608.36
23 13 23 13-0040 EA 700 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,754.10	730.04
23 13 23 13-0041 EA 800 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,656.04	790.87
23 13 23 13-0042 EA 900 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,854.78	912.55
23 13 23 13-0043 EA 1,000 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	15,058.70	1,034.22
23 13 23 13-0044 EA 10 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,349.01	121.68
23 13 23 13-0045 EA 15 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,426.00	127.76
23 13 23 13-0046 EA 25 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,494.35	136.88
23 13 23 13-0047 EA 50 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,763.26	146.01
23 13 23 13-0048 EA 60 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,864.26	152.09
23 13 23 13-0049 EA 75 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,161.80	182.51
23 13 23 13-0050 EA 100 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,807.34	212.93
23 13 23 13-0051 EA 150 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,811.15	243.34
23 13 23 13-0052 EA 200 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,410.39	273.76
23 13 23 13-0053 EA 275 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,084.47	304.18
23 13 23 13-0054 EA 300 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,001.83	365.02
23 13 23 13-0055 EA 350 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,548.92	425.85
23 13 23 13-0056 EA 400 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,298.30	486.69
23 13 23 13-0057 EA 450 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,043.27	517.11
23 13 23 13-0058 EA 500 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,028.22	547.53
23 13 23 13-0059 EA 550 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,433.76	577.94
23 13 23 13-0060 EA 600 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,796.45	608.36
23 13 23 13-0061 EA 700 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,485.47	730.04
23 13 23 13-0062 EA 800 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	15,136.53	790.87
23 13 23 13-0063 EA 900 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	16,928.40	912.55
23 13 23 13-0064 EA 1,000 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	18,749.43	1,034.22
23 13 23 13-0065 EA 10 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,480.40	121.68
23 13 23 13-0066 EA 15 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,557.39	127.76
23 13 23 13-0067 EA 25 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,625.74	136.88
23 13 23 13-0068 EA 50 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,894.65	146.01
23 13 23 13-0069 EA 60 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,995.65	152.09
23 13 23 13-0070 EA 75 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,293.19	182.51
23 13 23 13-0071 EA 100 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,938.73	212.93
23 13 23 13-0072 EA 150 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,942.54	243.34
23 13 23 13-0073 EA 200 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,617.21	273.76
23 13 23 13-0074 EA 275 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,821.59	304.18
23 13 23 13-0075 EA 300 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,738.95	365.02
23 13 23 13-0076 EA 350 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,287.76	425.85

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0077	EA	400 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,035.42	486.69
23 13 23 13-0078	EA	450 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,782.10	517.11
23 13 23 13-0079	EA	500 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,765.34	547.53
23 13 23 13-0080	EA	550 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,170.88	577.94
23 13 23 13-0081	EA	600 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,533.57	608.36
23 13 23 13-0082	EA	700 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,222.59	730.04
23 13 23 13-0083	EA	800 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	15,875.36	790.87
23 13 23 13-0084	EA	900 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	17,665.52	912.55
23 13 23 13-0085	EA	1,000 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	19,486.55	1,034.22
23 13 23 13-0086	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,112.95	121.68
23 13 23 13-0087	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,198.51	127.76
23 13 23 13-0088	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,268.58	136.88
23 13 23 13-0089	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,546.06	146.01
23 13 23 13-0090	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,695.06	152.09
23 13 23 13-0091	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,965.17	182.51
23 13 23 13-0092	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,636.42	212.93
23 13 23 13-0093	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,688.23	243.34
23 13 23 13-0094	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,309.76	273.76
23 13 23 13-0095	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,048.98	304.18
23 13 23 13-0096	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,014.34	365.02
23 13 23 13-0097	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,508.29	425.85
23 13 23 13-0098	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,360.52	486.69
23 13 23 13-0099	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,263.19	517.11
23 13 23 13-0100	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,171.01	547.53
23 13 23 13-0101	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,626.26	577.94
23 13 23 13-0102	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,963.23	608.36
23 13 23 13-0103	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	15,729.40	730.04
23 13 23 13-0104	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	17,461.02	790.87
23 13 23 13-0105	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	19,333.46	912.55
23 13 23 13-0106	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	21,231.64	1,034.22
23 13 23 13-0107	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,244.34	121.68



Heating, Ventilating, and Air-Conditioning (HVAC)			23
Facility Fuel Systems			23 10
Facility Fuel-Storage Tanks			23 13

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0108 EA 15 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,329.91	127.76
23 13 23 13-0109 EA 25 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,399.97	136.88
23 13 23 13-0110 EA 50 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,677.45	146.01
23 13 23 13-0111 EA 60 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,826.45	152.09
23 13 23 13-0112 EA 75 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,093.13	182.51
23 13 23 13-0113 EA 100 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,767.81	212.93
23 13 23 13-0114 EA 150 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,819.62	243.34
23 13 23 13-0115 EA 200 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,441.15	273.76
23 13 23 13-0116 EA 275 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,786.10	304.18
23 13 23 13-0117 EA 300 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,751.46	365.02
23 13 23 13-0118 EA 350 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,416.83	425.85
23 13 23 13-0119 EA 400 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,097.64	486.69
23 13 23 13-0120 EA 450 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,000.31	517.11
23 13 23 13-0121 EA 500 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,908.13	547.53
23 13 23 13-0122 EA 550 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,363.38	577.94
23 13 23 13-0123 EA 600 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,702.07	608.36
23 13 23 13-0124 EA 700 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,466.52	730.04
23 13 23 13-0125 EA 800 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	18,198.14	790.87
23 13 23 13-0126 EA 900 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	20,070.58	912.55
23 13 23 13-0127 EA 1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	21,968.76	1,034.22
23 13 23 13-0128 EA 150% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	1,139.58	121.68
23 13 23 13-0129 EA 150% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	1,235.71	127.76
23 13 23 13-0130 EA 150% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,341.43	136.88
23 13 23 13-0131 EA 150% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,535.39	146.01
23 13 23 13-0132 EA 150% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	2,050.14	152.09
23 13 23 13-0133 EA 150% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	2,100.83	182.51
23 13 23 13-0134 EA 150% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	2,644.82	212.93
23 13 23 13-0135 EA 150% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	3,277.05	243.34
23 13 23 13-0136 EA 150% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	4,314.32	273.76
23 13 23 13-0137 EA 150% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	5,428.52	304.18
23 13 23 13-0138 EA 150% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	6,516.49	365.02
23 13 23 13-0139 EA 150% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	6,995.76	425.85
23 13 23 13-0140 EA 150% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	7,477.31	486.69
23 13 23 13-0141 EA 150% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	8,213.63	517.11
23 13 23 13-0142 EA 150% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	8,952.22	547.53
23 13 23 13-0143 EA 150% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	9,593.51	577.94
23 13 23 13-0144 EA 150% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	10,241.57	608.36
23 13 23 13-0145 EA 150% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	11,580.28	730.04
23 13 23 13-0146 EA 150% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	12,858.32	790.87
23 13 23 13-0147 EA 150% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	14,273.95	912.55
23 13 23 13-0148 EA 150% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	15,639.82	1,034.22
23 13 23 13-0149 EA 200% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	1,201.77	127.76
23 13 23 13-0150 EA 200% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	1,307.74	136.88
23 13 23 13-0151 EA 200% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,418.48	146.01

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0152 EA 200% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,617.32	152.09
23 13 23 13-0153 EA 200% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	2,200.64	182.51
23 13 23 13-0154 EA 200% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	2,251.34	212.93
23 13 23 13-0155 EA 200% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	2,822.74	243.34
23 13 23 13-0156 EA 200% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	3,487.27	273.76
23 13 23 13-0157 EA 200% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	4,579.35	304.18
23 13 23 13-0158 EA 200% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	5,752.63	334.60
23 13 23 13-0159 EA 200% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	6,895.42	395.43
23 13 23 13-0160 EA 200% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	7,395.69	456.27
23 13 23 13-0161 EA 200% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	7,898.35	517.11
23 13 23 13-0162 EA 200% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	8,672.77	547.53
23 13 23 13-0163 EA 200% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	9,449.56	577.94
23 13 23 13-0164 EA 200% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	10,123.67	608.36
23 13 23 13-0165 EA 200% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	10,855.61	669.20
23 13 23 13-0166 EA 200% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	12,257.42	790.87
23 13 23 13-0167 EA 200% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	13,702.22	912.55
23 13 23 13-0168 EA 200% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	15,185.25	1,034.22
23 13 23 13-0169 EA 200% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	16,615.72	1,155.89
23 13 23 13-0170 EA 150% Containment Double Wall Sealed Top Basin For 10 Gallon Tank.....	1,318.34	121.68
23 13 23 13-0171 EA 150% Containment Double Wall Sealed Top Basin For 15 Gallon Tank.....	1,437.10	127.76
23 13 23 13-0172 EA 150% Containment Double Wall Sealed Top Basin For 25 Gallon Tank.....	1,556.39	136.88
23 13 23 13-0173 EA 150% Containment Double Wall Sealed Top Basin For 50 Gallon Tank.....	1,795.61	146.01
23 13 23 13-0174 EA 150% Containment Double Wall Sealed Top Basin For 60 Gallon Tank.....	2,407.66	152.09
23 13 23 13-0175 EA 150% Containment Double Wall Sealed Top Basin For 75 Gallon Tank.....	2,458.35	182.51
23 13 23 13-0176 EA 150% Containment Double Wall Sealed Top Basin For 100 Gallon Tank.....	3,083.80	212.93
23 13 23 13-0177 EA 150% Containment Double Wall Sealed Top Basin For 150 Gallon Tank.....	3,822.38	243.34
23 13 23 13-0178 EA 150% Containment Double Wall Sealed Top Basin For 200 Gallon Tank.....	5,044.58	273.76
23 13 23 13-0179 EA 150% Containment Double Wall Sealed Top Basin For 275 Gallon Tank.....	6,415.10	304.18
23 13 23 13-0180 EA 150% Containment Double Wall Sealed Top Basin For 300 Gallon Tank.....	7,704.45	365.02
23 13 23 13-0181 EA 150% Containment Double Wall Sealed Top Basin For 350 Gallon Tank.....	8,253.87	425.85
23 13 23 13-0182 EA 150% Containment Double Wall Sealed Top Basin For 400 Gallon Tank.....	8,807.83	486.69
23 13 23 13-0183 EA 150% Containment Double Wall Sealed Top Basin For 450 Gallon Tank.....	9,686.71	517.11
23 13 23 13-0184 EA 150% Containment Double Wall Sealed Top Basin For 500 Gallon Tank.....	10,567.85	547.53
23 13 23 13-0185 EA 150% Containment Double Wall Sealed Top Basin For 550 Gallon Tank.....	11,315.48	577.94
23 13 23 13-0186 EA 150% Containment Double Wall Sealed Top Basin For 600 Gallon Tank.....	12,081.21	608.36
23 13 23 13-0187 EA 150% Containment Double Wall Sealed Top Basin For 700 Gallon Tank.....	13,657.51	730.04
23 13 23 13-0188 EA 150% Containment Double Wall Sealed Top Basin For 800 Gallon Tank.....	15,175.41	790.87
23 13 23 13-0189 EA 150% Containment Double Wall Sealed Top Basin For 900 Gallon Tank.....	16,828.63	912.55
23 13 23 13-0190 EA 150% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank.....	18,432.09	1,034.22
23 13 23 13-0191 EA 200% Containment Double Wall Sealed Top Basin For 10 Gallon Tank.....	1,390.46	127.76
23 13 23 13-0192 EA 200% Containment Double Wall Sealed Top Basin For 15 Gallon Tank.....	1,520.32	136.88
23 13 23 13-0193 EA 200% Containment Double Wall Sealed Top Basin For 25 Gallon Tank.....	1,645.39	146.01
23 13 23 13-0194 EA 200% Containment Double Wall Sealed Top Basin For 50 Gallon Tank.....	1,892.00	152.09
23 13 23 13-0195 EA 200% Containment Double Wall Sealed Top Basin For 60 Gallon Tank.....	2,578.03	182.51
23 13 23 13-0196 EA 200% Containment Double Wall Sealed Top Basin For 75 Gallon Tank.....	2,628.73	212.93
23 13 23 13-0197 EA 200% Containment Double Wall Sealed Top Basin For 100 Gallon Tank.....	3,286.10	243.34
23 13 23 13-0198 EA 200% Containment Double Wall Sealed Top Basin For 150 Gallon Tank.....	4,062.90	273.76
23 13 23 13-0199 EA 200% Containment Double Wall Sealed Top Basin For 200 Gallon Tank.....	5,350.18	304.18
23 13 23 13-0200 EA 200% Containment Double Wall Sealed Top Basin For 275 Gallon Tank.....	6,794.02	334.60
23 13 23 13-0201 EA 200% Containment Double Wall Sealed Top Basin For 300 Gallon Tank.....	8,149.38	395.43
23 13 23 13-0202 EA 200% Containment Double Wall Sealed Top Basin For 350 Gallon Tank.....	8,723.69	456.27
23 13 23 13-0203 EA 200% Containment Double Wall Sealed Top Basin For 400 Gallon Tank.....	9,302.79	517.11
23 13 23 13-0204 EA 200% Containment Double Wall Sealed Top Basin For 450 Gallon Tank.....	10,227.68	547.53
23 13 23 13-0205 EA 200% Containment Double Wall Sealed Top Basin For 500 Gallon Tank.....	11,154.94	577.94
23 13 23 13-0206 EA 200% Containment Double Wall Sealed Top Basin For 550 Gallon Tank.....	11,941.30	608.36
23 13 23 13-0207 EA 200% Containment Double Wall Sealed Top Basin For 600 Gallon Tank.....	12,797.45	669.20
23 13 23 13-0208 EA 200% Containment Double Wall Sealed Top Basin For 700 Gallon Tank.....	14,450.06	790.87
23 13 23 13-0209 EA 200% Containment Double Wall Sealed Top Basin For 800 Gallon Tank.....	16,148.04	912.55
23 13 23 13-0210 EA 200% Containment Double Wall Sealed Top Basin For 900 Gallon Tank.....	17,881.86	1,034.22
23 13 23 13-0211 EA 200% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank.....	19,563.12	1,155.89

23 13 23 16 Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)**23 13 23 16-0001 Single Wall Aboveground Storage Tanks (23 13 23 16)**

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, excavation and backfill.

23 13 23 16-0002 EA 300 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	2,759.85	661.29
23 13 23 16-0003 EA 550 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	3,321.10	800.50
23 13 23 16-0004 EA 1,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	4,495.81	1,103.98
23 13 23 16-0005 EA 1,500 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	5,784.10	1,379.97
23 13 23 16-0006 EA 2,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	7,113.01	1,853.79
23 13 23 16-0007 EA 3,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	10,178.71	1,908.31
23 13 23 16-0008 EA 5,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	14,542.30	2,359.36
23 13 23 16-0009 EA 8,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	19,639.30	2,703.38
23 13 23 16-0010 EA 10,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	23,239.17	2,949.13
23 13 23 16-0011 EA 12,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	26,865.86	3,244.06
23 13 23 16-0012 EA 15,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	29,748.88	3,604.48
23 13 23 16-0013 EA 20,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	37,240.47	4,634.33
23 13 23 16-0014 EA 30,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	50,302.09	5,406.77

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Facility Fuel Systems

23 10

Facility Fuel-Storage Tanks

23 13

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 16-0015 Double Wall Aboveground Storage Tanks (23 13 23 16) Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, excavation and backfill.		
23 13 23 16-0016 EA 300 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	4,245.34	825.15
23 13 23 16-0017 EA 550 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	5,105.50	998.53
23 13 23 16-0018 EA 1,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	6,903.64	1,379.97
23 13 23 16-0019 EA 1,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	8,904.77	1,724.96
23 13 23 16-0020 EA 2,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	10,813.10	2,317.21
23 13 23 16-0021 EA 3,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	15,914.58	2,385.31
23 13 23 16-0022 EA 5,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	22,939.64	2,938.46
23 13 23 16-0023 EA 8,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	31,286.07	3,379.25
23 13 23 16-0024 EA 10,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	37,168.75	3,686.45
23 13 23 16-0025 EA 12,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	43,067.23	4,055.03
23 13 23 16-0026 EA 15,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	47,681.56	4,505.68
23 13 23 16-0027 EA 20,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	59,616.72	5,792.93
23 13 23 16-0028 EA 30,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	81,031.92	6,758.41
23 13 23 19 Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23) 23 13 23 19-0001 Secondary Containment For Above Ground Tanks (23 13 23 19)		
23 13 23 19-0002 EA Steel Dike For 550 Gallon Tank, Uncoated.....	3,658.53	
23 13 23 19-0003 EA Steel Dike For 1,000 Gallon Tank, Uncoated.....	4,422.40	
23 13 23 19-0004 EA Steel Dike For 2,000 Gallon Tank, Uncoated.....	9,608.42	
23 13 23 19-0005 EA Steel Dike For 3,000 Gallon Tank, Uncoated.....	10,533.15	
23 13 23 19-0006 EA Steel Dike For 5,000 Gallon Tank, Uncoated.....	14,943.83	
23 13 23 19-0007 EA Steel Dike For 6,000 Gallon Tank, Uncoated.....	16,741.47	
23 13 23 19-0008 EA Steel Dike For 8,000 Gallon Tank, Uncoated.....	22,088.31	
23 13 23 19-0009 EA Steel Dike For 10,000 Gallon Tank, Uncoated.....	25,930.63	
23 13 23 19-0010 EA Steel Dike For 12,000 Gallon Tank, Uncoated.....	29,451.12	
23 13 23 19-0011 EA Steel Dike For 15,000 Gallon Tank, Uncoated.....	35,866.29	
23 13 23 19-0012 EA Steel Dike For 20,000 Gallon Tank, Uncoated.....	45,899.69	
23 13 23 26 Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23) 23 13 23 26-0001 Aboveground Concrete Vaulted Storage Tanks (23 13 23 26) Note: Includes setting in place with stand, NPT openings for an emergency vent, regular vent, gauge, fill with an internal 5 gallon minimum overfill containment, supply and return and leak detection. All tanks that are 2000 gallon and larger shall have a ladder for access. Excludes excavation, pad, pumps and piping.		
23 13 23 26-0002 EA 500 Gallon Concrete Vaulted Storage Tank.....	20,528.35	1,403.15
For Low Profile Tanks, Add	7,428.19	
23 13 23 26-0003 EA 1,000 Gallon Concrete Vaulted Storage Tank.....	25,801.24	1,584.00
For Low Profile Tanks, Add	9,436.40	
23 13 23 26-0004 EA 2,000 Gallon Concrete Vaulted Storage Tank.....	45,508.87	1,886.08
For Low Profile Tanks, Add	17,150.85	
23 13 23 26-0005 EA 4,000 Gallon Concrete Vaulted Storage Tank.....	72,444.62	4,148.47
23 13 23 26-0006 EA 5,000 Gallon Concrete Vaulted Storage Tank.....	82,690.65	4,530.82
23 13 23 26-0007 EA 6,000 Gallon Concrete Vaulted Storage Tank.....	93,017.95	4,892.95
23 13 23 26-0008 EA 8,000 Gallon Concrete Vaulted Storage Tank.....	103,323.58	5,309.50
23 13 23 26-0009 EA 10,000 Gallon Concrete Vaulted Storage Tank.....	113,622.52	5,651.71
23 13 33 Facility Fuel-Oil, Storage Tank Accessories (23 13) 23 13 33 00-0001 EPA Requirements (23 13 33)		
23 13 33 00-0002 EA Fill Pipe Spill Containment Manhole (5 Gallon).....	611.16	
23 13 33 00-0003 EA Over-Fill Prevention Valve	1,350.02	
23 13 33 00-0004 EA Tank Manway With Cover, Fiberglass	2,351.83	
23 13 33 00-0005 EA Tank Manway With Cover, Steel.....	2,048.82	
23 13 33 00-0006 EA Vent Fill Alarm (Whistle Vent).....	106.67	
23 13 33 00-0007 EA Reservoir Sensor, Liquid Level	269.26	
23 13 33 00-0008 EA Manhole Spill Containment	1,018.44	236.53
23 13 33 00-0009 EA Fill Adapter, 4".....	254.02	157.72
23 13 33 00-0010 EA Fill Cap, 4"	168.55	59.13
23 13 33 00-0011 EA 2" Vent Cap.....	104.37	39.46
23 13 33 00-0012 EA 4" x 2" Extractor Fitting.....	294.06	59.13
23 13 33 00-0013 EA Float Vent Valve.....	369.84	118.26
23 13 33 00-0014 EA Vapor Hose Adapter	299.31	78.81
23 13 33 00-0015 EA Dust Cap.....	136.29	43.04
23 13 33 00-0016 EA 1" Double Poppet Foot Valve.....	433.07	67.55
23 13 33 00-0017 EA 10' Wood Gage Stick	36.80	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 13 33 00-0018	EA	1-1/4" Tank Filled Breather, NPT	100.22	
23 13 33 00-0019	EA	1-1/2" Tank Filled Breather, Bayonet	131.23	
23 13 33 00-0020	EA	2" Cast Iron Combination Fill Cap And Vent	69.55	
23 13 33 00-0021	EA	3" Cast Iron Combination Fill Cap And Vent	93.06	
23 13 33 00-0022	EA	4" Cast Iron Combination Fill Cap And Vent	144.68	
23 13 33 00-0023	EA	Pressure And Vacuum Control Vent	546.99	
23 13 33 00-0024	EA	1/4 HP Fuel/Diesel Pump Set	1,283.25	
23 13 33 00-0025	EA	1/3 HP Fuel/Diesel Pump Set	1,514.78	
23 13 33 00-0026	EA	1/2 HP Fuel/Diesel Pump Set	1,652.77	
23 13 33 00-0027	EA	3/4 HP Fuel/Diesel Pump Set	1,813.11	
23 13 33 00-0028	EA	1 HP Fuel/Diesel Pump Set	2,571.39	
23 13 33 00-0029	EA	1-1/2 HP Fuel/Diesel Pump Set	3,166.72	
23 13 33 00-0030	EA	2 HP Fuel/Diesel Pump Set	3,507.18	
23 13 33 00-0031	EA	3 HP Fuel/Diesel Pump Set	4,299.31	
23 13 33 00-0032	EA	5 HP Fuel/Diesel Pump Set	5,082.42	
23 13 33 00-0033	EA	7.5 HP Fuel/Diesel Pump Set	5,689.40	
23 13 33 00-0034	EA	10 HP Fuel/Diesel Pump Set	6,566.14	

23 13 33 00-0035 Tank Bulkhead Fittings (23 13 33)**23 13 33 00-0036 Tank Bulkhead Fittings (23 13 33 00-0035)****23 13 33 00-0037 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Socket x Threaded Connection (23 13 33 00-0036)**

23 13 33 00-0038	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	38.55	
23 13 33 00-0039	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	43.05	
23 13 33 00-0040	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	47.31	
23 13 33 00-0041	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	56.76	
23 13 33 00-0042	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	58.78	
23 13 33 00-0043	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	76.30	
23 13 33 00-0044	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	118.82	
23 13 33 00-0045	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	204.90	

23 13 33 00-0046 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Thread x Threaded Connection (23 13 33 00-0036)

23 13 33 00-0047	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	44.40	
23 13 33 00-0048	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	48.88	
23 13 33 00-0049	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	53.38	
23 13 33 00-0050	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	66.18	
23 13 33 00-0051	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	70.67	
23 13 33 00-0052	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	87.07	
23 13 33 00-0053	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	133.19	
23 13 33 00-0054	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	225.32	

23 13 33 00-0055 Chlorinated Polyvinyl Chloride (CPVC) Tank Bulkhead Fittings, Socket x Threaded Connection (23 13 33 00-0036)

23 13 33 00-0056	EA	1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	45.73	
23 13 33 00-0057	EA	3/4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	52.71	
23 13 33 00-0058	EA	1" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	59.44	
23 13 33 00-0059	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	76.50	
23 13 33 00-0060	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	99.18	
23 13 33 00-0061	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	152.72	
23 13 33 00-0062	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	237.45	

23 13 33 00-0063 Polypropylene Tank Bulkhead Fitting Thread x Threaded Connection (23 13 33 00-0036)

23 13 33 00-0064	EA	1/2" Polypropylene Bulkhead Fitting, Thread x Thread	53.16	
23 13 33 00-0065	EA	3/4" Polypropylene Bulkhead Fitting, Thread x Thread	62.58	
23 13 33 00-0066	EA	1" Polypropylene Bulkhead Fitting, Thread x Thread	76.71	
23 13 33 00-0067	EA	1-1/4" Polypropylene Bulkhead Fitting, Thread x Thread	93.11	
23 13 33 00-0068	EA	1-1/2" Polypropylene Bulkhead Fitting, Thread x Thread	95.13	
23 13 33 00-0069	EA	2" Polypropylene Bulkhead Fitting, Thread x Thread	134.86	
23 13 33 00-0070	EA	3" Polypropylene Bulkhead Fitting, Thread x Thread	238.87	
23 13 33 00-0071	EA	4" Polypropylene Bulkhead Fitting, Thread x Thread	423.69	

23 13 33 00-0072 Polyethylene Tank Bulkhead Fittings Thread x Threaded Connection (23 13 33 00-0036)

23 13 33 00-0073	EA	3/4" Polyethylene Bulkhead Fitting, Thread x Thread	47.31	
23 13 33 00-0074	EA	1" Polyethylene Bulkhead Fitting, Thread x Thread	60.49	
23 13 33 00-0075	EA	1-1/4" Polyethylene Bulkhead Fitting, Thread x Thread	62.52	
23 13 33 00-0076	EA	1-1/2" Polyethylene Bulkhead Fitting, Thread x Thread	64.54	
23 13 33 00-0077	EA	2" Polyethylene Bulkhead Fitting, Thread x Thread	88.85	
23 13 33 00-0078	EA	3" Polyethylene Bulkhead Fitting, Thread x Thread	111.71	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
Facility Fuel Systems			23 10	
Facility Fuel-Storage Tanks			23 13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 13 33 00-0079	TFE Teflon Tank Bulkhead Fittings, Thread x Threaded Connection (23 13 33 00-0036)				
23 13 33 00-0080	EA	1/8"	TFE Teflon Bulkhead Fitting, Thread x Thread	193.40	
23 13 33 00-0081	EA	1/4"	TFE Teflon Bulkhead Fitting, Thread x Thread	221.07	
23 13 33 00-0082	EA	3/8"	TFE Teflon Bulkhead Fitting, Thread x Thread	271.42	
23 13 33 00-0083	EA	1/2"	TFE Teflon Bulkhead Fitting, Thread x Thread	312.76	
23 13 33 00-0084	EA	3/4"	TFE Teflon Bulkhead Fitting, Thread x Thread	360.24	
23 13 33 00-0085	EA	1"	TFE Teflon Bulkhead Fitting, Thread x Thread	453.31	
23 13 33 00-0086	EA	1-1/2"	TFE Teflon Bulkhead Fitting, Thread x Thread	588.47	
23 13 33 00-0087	EA	2"	TFE Teflon Bulkhead Fitting, Thread x Thread	650.06	

23 13 33 00-0088	Self-Aligning Bulkhead Fittings (23 13 33 00-0035)				
23 13 33 00-0089	EA	3/4"	Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	198.83	
23 13 33 00-0090	EA	1"	Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	199.35	
23 13 33 00-0091	EA	1-1/2"	Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	290.05	
23 13 33 00-0092	EA	2"	Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	296.29	
23 13 33 00-0093	EA	3"	Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	398.63	

23 20 HVAC Piping and Pumps (23)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 Hydronic Piping and Pumps (23 20)

23 21 13 Hydronic Piping (23 21)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 13 23 Aboveground Hydronic Piping (23 21 13)

23 21 13 23-0001 Threaded Black Steel Pipe (23 21 13 23)

23 21 13 23-0002 Threaded Black Steel Pipe Assemblies (23 21 13 23-0001)

Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

23 21 13 23-0003	LF	1/2"	Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	16.51	3.73
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add				3.89	
For Work In Restricted Working Space, Add				3.86	
23 21 13 23-0004	LF	3/4"	Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	17.78	4.01
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add				4.25	
For Work In Restricted Working Space, Add				4.03	
23 21 13 23-0005	LF	1"	Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	19.29	4.39
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add				4.68	
For Work In Restricted Working Space, Add				4.25	
23 21 13 23-0006	LF	1-1/4"	Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	22.75	4.58
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add				5.74	
For Work In Restricted Working Space, Add				4.59	
23 21 13 23-0007	LF	1-1/2"	Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	23.81	5.42
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add				6.09	
For Work In Restricted Working Space, Add				4.65	
23 21 13 23-0008	LF	2"	Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	28.01	6.53
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add				7.29	
For Work In Restricted Working Space, Add				5.24	
23 21 13 23-0009	LF	2-1/2"	Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	40.00	7.74
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add				10.93	
For Work In Restricted Working Space, Add				6.50	
23 21 13 23-0010	LF	3"	Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	50.52	10.36
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add				13.94	
For Work In Restricted Working Space, Add				7.97	
23 21 13 23-0011	LF	4"	Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	69.92	12.00
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add				20.55	
For Work In Restricted Working Space, Add				8.67	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0012	LF	5" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add For Work In Restricted Working Space, Add 113.04	15.33	
23 21 13 23-0013	LF	6" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add For Work In Restricted Working Space, Add 133.34	18.13	
23 21 13 23-0014		Threaded Black Steel Pipe And Fittings (23 21 13 23-0001) Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
23 21 13 23-0015		Threaded And Coupled, Black Steel Piping (23 21 13 23-0014) Note: ASTM A-53. Includes coupling.		
23 21 13 23-0016	LF	3/8" Schedule 40, Threaded And Coupled, Black Steel Pipe For Schedule 80 Pipe, Add For Work In Restricted Working Space, Add 5.74	2.33	
23 21 13 23-0017	LF	1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe For Schedule 80 Pipe, Add For Work In Restricted Working Space, Add 7.38	3.73	
23 21 13 23-0018	LF	3/4" Schedule 40, Threaded And Coupled, Black Steel Pipe For Schedule 80 Pipe, Add For Work In Restricted Working Space, Add 8.24	4.01	
23 21 13 23-0019	LF	1" Schedule 40, Threaded And Coupled, Black Steel Pipe For Schedule 80 Pipe, Add For Work In Restricted Working Space, Add 9.49	4.39	
23 21 13 23-0020	LF	1-1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe For Schedule 80 Pipe, Add For Work In Restricted Working Space, Add 10.89	4.58	
23 21 13 23-0021	LF	1-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe For Schedule 80 Pipe, Add For Work In Restricted Working Space, Add 12.87	5.42	
23 21 13 23-0022	LF	2" Schedule 40, Threaded And Coupled, Black Steel Pipe For Schedule 80 Pipe, Add For Work In Restricted Working Space, Add 16.04	6.53	
23 21 13 23-0023	LF	2-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe For Schedule 80 Pipe, Add For Work In Restricted Working Space, Add 21.49	7.74	
23 21 13 23-0024	LF	3" Schedule 40, Threaded And Coupled, Black Steel Pipe For Schedule 80 Pipe, Add For Work In Restricted Working Space, Add 28.42	10.36	
23 21 13 23-0025	LF	4" Schedule 40, Threaded And Coupled, Black Steel Pipe For Schedule 80 Pipe, Add For Work In Restricted Working Space, Add 37.27	12.00	
23 21 13 23-0026	LF	5" Schedule 40, Threaded And Coupled, Black Steel Pipe For Schedule 80 Pipe, Add For Work In Restricted Working Space, Add 48.50	15.33	
23 21 13 23-0027	LF	6" Schedule 40, Threaded And Coupled, Black Steel Pipe For Schedule 80 Pipe, Add For Work In Restricted Working Space, Add 60.85	18.13	
23 21 13 23-0028	LF	8" Schedule 40, Threaded And Coupled, Black Steel Pipe For Schedule 80 Pipe, Add For Work In Restricted Working Space, Add 82.77	21.92	
23 21 13 23-0029	LF	10" Schedule 40, Threaded And Coupled, Black Steel Pipe For Schedule 80 Pipe, Add For Work In Restricted Working Space, Add 110.81	26.71	
23 21 13 23-0030	LF	12" Schedule 40, Threaded And Coupled, Black Steel Pipe For Schedule 80 Pipe, Add For Work In Restricted Working Space, Add 147.71	35.10	
23 21 13 23-0031		Black Malleable Iron 90 Degree Elbows (23 21 13 23-0014)		
23 21 13 23-0032	EA	3/8", 150 LB, Black Malleable Iron 90 Degree Elbow For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add 25.88	10.36	
23 21 13 23-0033	EA	1/2", 150 LB, Black Malleable Iron 90 Degree Elbow For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add 28.46	16.62	
23 21 13 23-0034	EA	3/4", 150 LB, Black Malleable Iron 90 Degree Elbow For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add 32.16	18.58	
23 21 13 23-0035	EA	1", 150 LB, Black Malleable Iron 90 Degree Elbow For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add 38.58	20.72	
23 21 13 23-0036	EA	1-1/4", 150 LB, Black Malleable Iron 90 Degree Elbow For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add 47.54	23.52	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0037 EA 1-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	55.93 41.29 0.26 11.92	26.51
23 21 13 23-0038 EA 2", 150 LB, Black Malleable Iron 90 Degree Elbow..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	78.40 70.11 0.45 15.14	33.69
23 21 13 23-0039 EA 2-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	136.94 153.93 1.00 22.40	49.85
23 21 13 23-0040 EA 3", 150 LB, Black Malleable Iron 90 Degree Elbow..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	189.37 224.58 1.46 29.48	65.53
23 21 13 23-0041 EA 4", 150 LB, Black Malleable Iron 90 Degree Elbow..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	300.97 476.04 3.13 31.58	70.18
23 21 13 23-0042 EA 5", 150 LB, Black Malleable Iron 90 Degree Elbow..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	681.76 1,379.22 9.15 32.95	73.25
23 21 13 23-0043 EA 6", 150 LB, Black Malleable Iron 90 Degree Elbow..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	775.47 1,592.45 10.57 34.45	76.59
23 21 13 23-0044 Black Malleable Iron Reducing 90 Degree Elbows (23 21 13 23-0014)		
23 21 13 23-0045 EA 1/2" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	29.60 17.66 0.11 6.84	15.22
23 21 13 23-0046 EA 3/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	33.37 18.36 0.11 7.91	17.55
23 21 13 23-0047 EA 3/4" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	34.07 24.91 0.16 7.29	16.25
23 21 13 23-0048 EA 1" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	38.47 23.32 0.14 8.85	19.69
23 21 13 23-0049 EA 1" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	37.69 24.94 0.16 8.40	18.67
23 21 13 23-0050 EA 1" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	45.00 47.32 0.31 7.78	17.26
23 21 13 23-0051 EA 1-1/4" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	48.26 38.21 0.24 9.95	22.12
23 21 13 23-0052 EA 1-1/4" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	48.38 42.31 0.27 9.46	21.01
23 21 13 23-0053 EA 1-1/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	49.72 49.01 0.31 9.02	20.07
23 21 13 23-0054 EA 1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	58.75 53.34 0.34 11.24	25.02
23 21 13 23-0055 EA 1-1/2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	56.71 53.22 0.34 10.63	23.62
23 21 13 23-0056 EA 1-1/2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	58.15 60.49 0.39 10.14	22.50
23 21 13 23-0057 EA 2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	75.93 76.72 0.49 13.53	30.05

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0058	EA	2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	77.89	28.56
		For 300 LB Rating, Add	86.69	
		For Standard Weight Cast Iron Fittings, Add	0.56	
		For Work In Restricted Working Space, Add	12.85	
23 21 13 23-0059	EA	2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	75.83	27.16
		For 300 LB Rating, Add	86.57	
		For Standard Weight Cast Iron Fittings, Add	0.56	
		For Work In Restricted Working Space, Add	12.23	
23 21 13 23-0060	EA	2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	76.32	26.14
		For 300 LB Rating, Add	91.53	
		For Standard Weight Cast Iron Fittings, Add	0.59	
		For Work In Restricted Working Space, Add	11.75	
23 21 13 23-0061	EA	2-1/2" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	147.20	41.72
		For 300 LB Rating, Add	206.89	
		For Standard Weight Cast Iron Fittings, Add	1.35	
		For Work In Restricted Working Space, Add	18.77	
23 21 13 23-0062	EA	2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	146.82	38.18
		For 300 LB Rating, Add	218.52	
		For Standard Weight Cast Iron Fittings, Add	1.43	
		For Work In Restricted Working Space, Add	17.16	
23 21 13 23-0063	EA	3" x 2-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	244.86	57.68
		For 300 LB Rating, Add	385.35	
		For Standard Weight Cast Iron Fittings, Add	2.53	
		For Work In Restricted Working Space, Add	25.94	
23 21 13 23-0064	EA	3" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	211.18	49.56
		For 300 LB Rating, Add	332.85	
		For Standard Weight Cast Iron Fittings, Add	2.19	
		For Work In Restricted Working Space, Add	22.31	
23 21 13 23-0065	EA	4" x 3", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	370.83	66.76
		For 300 LB Rating, Add	655.73	
		For Standard Weight Cast Iron Fittings, Add	4.33	
		For Work In Restricted Working Space, Add	30.03	
23 21 13 23-0066		Black Malleable Iron 45 Degree Elbows		
23 21 13 23-0067	EA	3/8", 150 LB, Black Malleable Iron 45 Degree Elbow.....	28.49	10.36
		For 300 LB Rating, Add	19.84	
		For Standard Weight Cast Iron Fittings, Add	0.12	
		For Work In Restricted Working Space, Add	6.22	
23 21 13 23-0068	EA	1/2", 150 LB, Black Malleable Iron 45 Degree Elbow.....	30.78	16.62
		For 300 LB Rating, Add	15.63	
		For Standard Weight Cast Iron Fittings, Add	0.09	
		For Work In Restricted Working Space, Add	7.47	
23 21 13 23-0069	EA	3/4", 150 LB, Black Malleable Iron 45 Degree Elbow.....	35.14	18.58
		For 300 LB Rating, Add	19.14	
		For Standard Weight Cast Iron Fittings, Add	0.12	
		For Work In Restricted Working Space, Add	8.36	
23 21 13 23-0070	EA	1", 150 LB, Black Malleable Iron 45 Degree Elbow.....	40.28	20.72
		For 300 LB Rating, Add	23.87	
		For Standard Weight Cast Iron Fittings, Add	0.15	
		For Work In Restricted Working Space, Add	9.33	
23 21 13 23-0071	EA	1-1/4", 150 LB, Black Malleable Iron 45 Degree Elbow.....	51.44	23.52
		For 300 LB Rating, Add	41.04	
		For Standard Weight Cast Iron Fittings, Add	0.26	
		For Work In Restricted Working Space, Add	10.57	
23 21 13 23-0072	EA	1-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow.....	59.79	26.51
		For 300 LB Rating, Add	50.55	
		For Standard Weight Cast Iron Fittings, Add	0.32	
		For Work In Restricted Working Space, Add	11.92	
23 21 13 23-0073	EA	2", 150 LB, Black Malleable Iron 45 Degree Elbow.....	80.80	33.69
		For 300 LB Rating, Add	75.87	
		For Standard Weight Cast Iron Fittings, Add	0.49	
		For Work In Restricted Working Space, Add	15.14	
23 21 13 23-0074	EA	2-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow.....	162.48	49.85
		For 300 LB Rating, Add	215.22	
		For Standard Weight Cast Iron Fittings, Add	1.40	
		For Work In Restricted Working Space, Add	22.40	
23 21 13 23-0075	EA	3", 150 LB, Black Malleable Iron 45 Degree Elbow.....	212.30	65.53
		For 300 LB Rating, Add	279.62	
		For Standard Weight Cast Iron Fittings, Add	1.82	
		For Work In Restricted Working Space, Add	29.48	
23 21 13 23-0076	EA	4", 150 LB, Black Malleable Iron 45 Degree Elbow.....	328.90	70.18
		For 300 LB Rating, Add	543.08	
		For Standard Weight Cast Iron Fittings, Add	3.58	
		For Work In Restricted Working Space, Add	31.58	
23 21 13 23-0077	EA	5", 150 LB, Black Malleable Iron 45 Degree Elbow.....	993.27	73.25
		For 300 LB Rating, Add	2,126.85	
		For Standard Weight Cast Iron Fittings, Add	14.14	
		For Work In Restricted Working Space, Add	32.95	
23 21 13 23-0078	EA	6", 150 LB, Black Malleable Iron 45 Degree Elbow.....	1,018.68	76.59
		For 300 LB Rating, Add	2,176.15	
		For Standard Weight Cast Iron Fittings, Add	14.46	
		For Work In Restricted Working Space, Add	34.45	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0079 Black Malleable Iron Tees (23 21 13 23-0014)		
23 21 13 23-0080 EA 3/8", 150 LB, Black Malleable Iron Tee.....	33.40	12.98
For 300 LB Rating, Add	19.48	
For Standard Weight Cast Iron Fittings, Add	0.12	
For Work In Restricted Working Space, Add	7.78	
23 21 13 23-0081 EA 1/2", 150 LB, Black Malleable Iron Tee.....	35.88	20.72
For 300 LB Rating, Add	13.31	
For Standard Weight Cast Iron Fittings, Add	0.08	
For Work In Restricted Working Space, Add	9.33	
23 21 13 23-0082 EA 3/4", 150 LB, Black Malleable Iron Tee.....	42.74	23.99
For 300 LB Rating, Add	18.57	
For Standard Weight Cast Iron Fittings, Add	0.11	
For Work In Restricted Working Space, Add	10.77	
23 21 13 23-0083 EA 1", 150 LB, Black Malleable Iron Tee.....	54.14	28.29
For 300 LB Rating, Add	30.67	
For Standard Weight Cast Iron Fittings, Add	0.19	
For Work In Restricted Working Space, Add	12.73	
23 21 13 23-0084 EA 1-1/4", 150 LB, Black Malleable Iron Tee.....	69.43	33.69
For 300 LB Rating, Add	48.58	
For Standard Weight Cast Iron Fittings, Add	0.30	
For Work In Restricted Working Space, Add	15.14	
23 21 13 23-0085 EA 1-1/2", 150 LB, Black Malleable Iron Tee.....	83.82	40.14
For 300 LB Rating, Add	60.25	
For Standard Weight Cast Iron Fittings, Add	0.38	
For Work In Restricted Working Space, Add	18.07	
23 21 13 23-0086 EA 2", 150 LB, Black Malleable Iron Tee.....	114.89	49.85
For 300 LB Rating, Add	101.01	
For Standard Weight Cast Iron Fittings, Add	0.64	
For Work In Restricted Working Space, Add	22.40	
23 21 13 23-0087 EA 2-1/2", 150 LB, Black Malleable Iron Tee.....	184.96	65.53
For 300 LB Rating, Add	214.00	
For Standard Weight Cast Iron Fittings, Add	1.39	
For Work In Restricted Working Space, Add	29.48	
23 21 13 23-0088 EA 3", 150 LB, Black Malleable Iron Tee.....	244.40	77.84
For 300 LB Rating, Add	313.53	
For Standard Weight Cast Iron Fittings, Add	2.04	
For Work In Restricted Working Space, Add	35.00	
23 21 13 23-0089 EA 4", 150 LB, Black Malleable Iron Tee.....	441.66	88.69
For 300 LB Rating, Add	748.88	
For Standard Weight Cast Iron Fittings, Add	4.94	
For Work In Restricted Working Space, Add	39.89	
23 21 13 23-0090 EA 5", 150 LB, Black Malleable Iron Tee.....	1,093.37	105.28
For 300 LB Rating, Add	2,254.65	
For Standard Weight Cast Iron Fittings, Add	14.97	
For Work In Restricted Working Space, Add	47.36	
23 21 13 23-0091 EA 6", 150 LB, Black Malleable Iron Tee.....	1,184.37	120.35
For 300 LB Rating, Add	2,420.28	
For Standard Weight Cast Iron Fittings, Add	16.06	
For Work In Restricted Working Space, Add	54.13	
23 21 13 23-0092 Black Malleable Iron Reducing Tees (23 21 13 23-0014)		
23 21 13 23-0093 EA 1/2", 150 LB, Black Malleable Iron Reducing Tee.....	39.22	20.72
For 300 LB Rating, Add	21.33	
For Standard Weight Cast Iron Fittings, Add	0.13	
For Work In Restricted Working Space, Add	9.33	
23 21 13 23-0094 EA 3/4", 150 LB, Black Malleable Iron Reducing Tee.....	46.48	23.99
For 300 LB Rating, Add	27.55	
For Standard Weight Cast Iron Fittings, Add	0.17	
For Work In Restricted Working Space, Add	10.77	
23 21 13 23-0095 EA 1", 150 LB, Black Malleable Iron Reducing Tee.....	55.77	28.29
For 300 LB Rating, Add	34.59	
For Standard Weight Cast Iron Fittings, Add	0.21	
For Work In Restricted Working Space, Add	12.73	
23 21 13 23-0096 EA 1-1/4", 150 LB, Black Malleable Iron Reducing Tee.....	76.69	33.69
For 300 LB Rating, Add	66.00	
For Standard Weight Cast Iron Fittings, Add	0.42	
For Work In Restricted Working Space, Add	15.14	
23 21 13 23-0097 EA 1-1/2", 150 LB, Black Malleable Iron Reducing Tee.....	89.30	40.14
For 300 LB Rating, Add	73.41	
For Standard Weight Cast Iron Fittings, Add	0.47	
For Work In Restricted Working Space, Add	18.07	
23 21 13 23-0098 EA 2", 150 LB, Black Malleable Iron Reducing Tee.....	116.88	49.85
For 300 LB Rating, Add	105.78	
For Standard Weight Cast Iron Fittings, Add	0.68	
For Work In Restricted Working Space, Add	22.40	
23 21 13 23-0099 EA 2-1/2", 150 LB, Black Malleable Iron Reducing Tee.....	229.78	65.53
For 300 LB Rating, Add	321.57	
For Standard Weight Cast Iron Fittings, Add	2.10	
For Work In Restricted Working Space, Add	29.48	
23 21 13 23-0100 EA 3", 150 LB, Black Malleable Iron Reducing Tee.....	267.33	77.84
For 300 LB Rating, Add	368.56	
For Standard Weight Cast Iron Fittings, Add	2.41	
For Work In Restricted Working Space, Add	35.00	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0101	EA	4", 150 LB, Black Malleable Iron Reducing Tee.....	498.31	88.69
		For 300 LB Rating, Add	884.84	
		For Standard Weight Cast Iron Fittings, Add	5.85	
		For Work In Restricted Working Space, Add	39.89	
23 21 13 23-0102	EA	5", 150 LB, Black Malleable Iron Reducing Tee.....	1,005.33	105.28
		For 300 LB Rating, Add	2,043.35	
		For Standard Weight Cast Iron Fittings, Add	13.56	
		For Work In Restricted Working Space, Add	47.36	
23 21 13 23-0103	EA	6", 150 LB, Black Malleable Iron Reducing Tee.....	1,141.64	120.35
		For 300 LB Rating, Add	2,317.73	
		For Standard Weight Cast Iron Fittings, Add	15.38	
		For Work In Restricted Working Space, Add	54.13	
23 21 13 23-0104 Black Malleable Iron Couplings (23 21 13 23-0014)				
23 21 13 23-0105	EA	3/8", 150 LB, Black Malleable Iron Coupling.....	27.14	10.36
		For 300 LB Rating, Add	16.60	
		For Standard Weight Cast Iron Fittings, Add	0.10	
		For Work In Restricted Working Space, Add	6.22	
23 21 13 23-0106	EA	1/2", 150 LB, Black Malleable Iron Coupling.....	29.82	16.62
		For 300 LB Rating, Add	13.33	
		For Standard Weight Cast Iron Fittings, Add	0.08	
		For Work In Restricted Working Space, Add	7.47	
23 21 13 23-0107	EA	3/4", 150 LB, Black Malleable Iron Coupling.....	33.63	18.58
		For 300 LB Rating, Add	15.52	
		For Standard Weight Cast Iron Fittings, Add	0.09	
		For Work In Restricted Working Space, Add	8.36	
23 21 13 23-0108	EA	1", 150 LB, Black Malleable Iron Coupling.....	39.76	20.72
		For 300 LB Rating, Add	22.63	
		For Standard Weight Cast Iron Fittings, Add	0.14	
		For Work In Restricted Working Space, Add	9.33	
23 21 13 23-0109	EA	1-1/4", 150 LB, Black Malleable Iron Coupling.....	46.42	23.52
		For 300 LB Rating, Add	28.99	
		For Standard Weight Cast Iron Fittings, Add	0.18	
		For Work In Restricted Working Space, Add	10.57	
23 21 13 23-0110	EA	1-1/2", 150 LB, Black Malleable Iron Coupling.....	54.85	26.51
		For 300 LB Rating, Add	38.70	
		For Standard Weight Cast Iron Fittings, Add	0.24	
		For Work In Restricted Working Space, Add	11.92	
23 21 13 23-0111	EA	2", 150 LB, Black Malleable Iron Coupling.....	72.87	33.69
		For 300 LB Rating, Add	56.84	
		For Standard Weight Cast Iron Fittings, Add	0.36	
		For Work In Restricted Working Space, Add	15.14	
23 21 13 23-0112	EA	2-1/2", 150 LB, Black Malleable Iron Coupling.....	136.54	49.85
		For 300 LB Rating, Add	152.97	
		For Standard Weight Cast Iron Fittings, Add	0.99	
		For Work In Restricted Working Space, Add	22.40	
23 21 13 23-0113	EA	3", 150 LB, Black Malleable Iron Coupling.....	181.90	65.53
		For 300 LB Rating, Add	206.66	
		For Standard Weight Cast Iron Fittings, Add	1.34	
		For Work In Restricted Working Space, Add	29.48	
23 21 13 23-0114	EA	4", 150 LB, Black Malleable Iron Coupling.....	273.71	70.18
		For 300 LB Rating, Add	410.62	
		For Standard Weight Cast Iron Fittings, Add	2.70	
		For Work In Restricted Working Space, Add	31.58	
23 21 13 23-0115	EA	5", 150 LB, Black Malleable Iron Coupling.....	584.19	73.25
		For 300 LB Rating, Add	1,145.05	
		For Standard Weight Cast Iron Fittings, Add	7.59	
		For Work In Restricted Working Space, Add	32.95	
23 21 13 23-0116	EA	6", 150 LB, Black Malleable Iron Coupling.....	655.24	76.59
		For 300 LB Rating, Add	1,303.90	
		For Standard Weight Cast Iron Fittings, Add	8.65	
		For Work In Restricted Working Space, Add	34.45	
23 21 13 23-0117 Black Malleable Iron Reducing Couplings (23 21 13 23-0014)				
23 21 13 23-0118	EA	1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	31.01	16.62
		For 300 LB Rating, Add	16.18	
		For Standard Weight Cast Iron Fittings, Add	0.10	
		For Work In Restricted Working Space, Add	7.47	
23 21 13 23-0119	EA	3/4", 150 LB, Black Malleable Iron Reducing Coupling.....	34.34	18.58
		For 300 LB Rating, Add	17.22	
		For Standard Weight Cast Iron Fittings, Add	0.10	
		For Work In Restricted Working Space, Add	8.36	
23 21 13 23-0120	EA	1", 150 LB, Black Malleable Iron Reducing Coupling.....	41.20	20.72
		For 300 LB Rating, Add	26.08	
		For Standard Weight Cast Iron Fittings, Add	0.16	
		For Work In Restricted Working Space, Add	9.33	
23 21 13 23-0121	EA	1-1/4", 150 LB, Black Malleable Iron Reducing Coupling.....	48.20	23.52
		For 300 LB Rating, Add	33.27	
		For Standard Weight Cast Iron Fittings, Add	0.21	
		For Work In Restricted Working Space, Add	10.57	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0122	EA	1-1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	56.12	26.51
		For 300 LB Rating, Add	41.74	
		For Standard Weight Cast Iron Fittings, Add	0.26	
		For Work In Restricted Working Space, Add	11.92	
23 21 13 23-0123	EA	2", 150 LB, Black Malleable Iron Reducing Coupling.....	74.21	33.69
		For 300 LB Rating, Add	60.05	
		For Standard Weight Cast Iron Fittings, Add	0.38	
		For Work In Restricted Working Space, Add	15.14	
23 21 13 23-0124	EA	2-1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	144.89	49.85
		For 300 LB Rating, Add	173.01	
		For Standard Weight Cast Iron Fittings, Add	1.12	
		For Work In Restricted Working Space, Add	22.40	
23 21 13 23-0125	EA	3", 150 LB, Black Malleable Iron Reducing Coupling.....	183.61	65.53
		For 300 LB Rating, Add	210.76	
		For Standard Weight Cast Iron Fittings, Add	1.37	
		For Work In Restricted Working Space, Add	29.48	
23 21 13 23-0126	EA	4", 150 LB, Black Malleable Iron Reducing Coupling.....	276.35	70.18
		For 300 LB Rating, Add	416.96	
		For Standard Weight Cast Iron Fittings, Add	2.74	
		For Work In Restricted Working Space, Add	31.58	
23 21 13 23-0127	EA	5", 150 LB, Black Malleable Iron Reducing Coupling.....	494.40	73.25
		For 300 LB Rating, Add	929.56	
		For Standard Weight Cast Iron Fittings, Add	6.15	
		For Work In Restricted Working Space, Add	32.95	
23 21 13 23-0128	EA	6", 150 LB, Black Malleable Iron Reducing Coupling.....	608.76	76.59
		For 300 LB Rating, Add	1,192.35	
		For Standard Weight Cast Iron Fittings, Add	7.90	
		For Work In Restricted Working Space, Add	34.45	
23 21 13 23-0129		Black Malleable Iron Caps (23 21 13 23-0014)		
23 21 13 23-0130	EA	1/2", 150 LB, Black Malleable Iron Cap.....	15.28	7.74
		For 300 LB Rating, Add	9.36	
		For Standard Weight Cast Iron Fittings, Add	0.06	
		For Work In Restricted Working Space, Add	3.50	
23 21 13 23-0131	EA	3/4", 150 LB, Black Malleable Iron Cap.....	17.32	8.31
		For 300 LB Rating, Add	12.46	
		For Standard Weight Cast Iron Fittings, Add	0.08	
		For Work In Restricted Working Space, Add	3.73	
23 21 13 23-0132	EA	1", 150 LB, Black Malleable Iron Cap.....	20.27	9.61
		For 300 LB Rating, Add	15.05	
		For Standard Weight Cast Iron Fittings, Add	0.09	
		For Work In Restricted Working Space, Add	4.31	
23 21 13 23-0133	EA	1-1/4", 150 LB, Black Malleable Iron Cap.....	23.34	10.36
		For 300 LB Rating, Add	19.61	
		For Standard Weight Cast Iron Fittings, Add	0.12	
		For Work In Restricted Working Space, Add	4.67	
23 21 13 23-0134	EA	1-1/2", 150 LB, Black Malleable Iron Cap.....	26.25	10.36
		For 300 LB Rating, Add	26.59	
		For Standard Weight Cast Iron Fittings, Add	0.17	
		For Work In Restricted Working Space, Add	4.67	
23 21 13 23-0135	EA	2", 150 LB, Black Malleable Iron Cap.....	35.69	13.35
		For 300 LB Rating, Add	38.67	
		For Standard Weight Cast Iron Fittings, Add	0.25	
		For Work In Restricted Working Space, Add	6.02	
23 21 13 23-0136	EA	2-1/2", 150 LB, Black Malleable Iron Cap.....	60.70	16.62
		For 300 LB Rating, Add	87.44	
		For Standard Weight Cast Iron Fittings, Add	0.57	
		For Work In Restricted Working Space, Add	7.47	
23 21 13 23-0137	EA	3", 150 LB, Black Malleable Iron Cap.....	82.92	20.07
		For 300 LB Rating, Add	128.55	
		For Standard Weight Cast Iron Fittings, Add	0.84	
		For Work In Restricted Working Space, Add	9.03	
23 21 13 23-0138	EA	4", 150 LB, Black Malleable Iron Cap.....	126.65	24.08
		For 300 LB Rating, Add	219.51	
		For Standard Weight Cast Iron Fittings, Add	1.45	
		For Work In Restricted Working Space, Add	10.83	
23 21 13 23-0139	EA	5", 150 LB, Black Malleable Iron Cap.....	260.95	30.13
		For 300 LB Rating, Add	520.72	
		For Standard Weight Cast Iron Fittings, Add	3.45	
		For Work In Restricted Working Space, Add	13.53	
23 21 13 23-0140	EA	6", 150 LB, Black Malleable Iron Cap.....	449.38	35.81
		For 300 LB Rating, Add	952.76	
		For Standard Weight Cast Iron Fittings, Add	6.33	
		For Work In Restricted Working Space, Add	16.12	
23 21 13 23-0141		Black Malleable Iron Unions (23 21 13 23-0014)		
23 21 13 23-0142	EA	3/8", 150 LB, Black Malleable Iron Union.....	38.03	10.36
		For Work In Restricted Working Space, Add	6.22	
23 21 13 23-0143	EA	1/2", 150 LB, Black Malleable Iron Union.....	46.76	20.72
		For Work In Restricted Working Space, Add	9.33	
23 21 13 23-0144	EA	3/4", 150 LB, Black Malleable Iron Union.....	53.89	23.99
		For Work In Restricted Working Space, Add	10.77	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0145 EA 1", 150 LB, Black Malleable Iron Union.....	65.87	28.29
For Work In Restricted Working Space, Add	12.73	
23 21 13 23-0146 EA 1-1/4", 150 LB, Black Malleable Iron Union.....	84.08	33.69
For Work In Restricted Working Space, Add	15.14	
23 21 13 23-0147 EA 1-1/2", 150 LB, Black Malleable Iron Union.....	102.15	40.14
For Work In Restricted Working Space, Add	18.07	
23 21 13 23-0148 EA 2", 150 LB, Black Malleable Iron Union.....	123.43	49.85
For Work In Restricted Working Space, Add	22.40	
23 21 13 23-0149 EA 2-1/2", 150 LB, Black Malleable Iron Union.....	255.50	73.45
For Work In Restricted Working Space, Add	33.07	
23 21 13 23-0150 EA 3", 150 LB, Black Malleable Iron Union.....	319.92	96.61
For Work In Restricted Working Space, Add	43.51	
23 21 13 23-0151 EA 3/8", 250 LB, Black Malleable Iron Union.....	43.59	10.36
For Work In Restricted Working Space, Add	6.22	
23 21 13 23-0152 EA 1/2", 250 LB, Black Malleable Iron Union.....	57.33	20.72
For Work In Restricted Working Space, Add	9.33	
23 21 13 23-0153 EA 3/4", 250 LB, Black Malleable Iron Union.....	61.69	23.99
For Work In Restricted Working Space, Add	10.77	
23 21 13 23-0154 EA 1", 250 LB, Black Malleable Iron Union.....	74.06	28.29
For Work In Restricted Working Space, Add	12.73	
23 21 13 23-0155 EA 1-1/4", 250 LB, Black Malleable Iron Union.....	103.54	33.69
For Work In Restricted Working Space, Add	15.14	
23 21 13 23-0156 EA 1-1/2", 250 LB, Black Malleable Iron Union.....	121.34	40.14
For Work In Restricted Working Space, Add	18.07	
23 21 13 23-0157 EA 2", 250 LB, Black Malleable Iron Union.....	153.08	49.85
For Work In Restricted Working Space, Add	22.40	
23 21 13 23-0158 EA 2-1/2", 250 LB, Black Malleable Iron Union.....	356.01	73.45
For Work In Restricted Working Space, Add	33.07	
23 21 13 23-0159 EA 3", 250 LB, Black Malleable Iron Union.....	432.69	96.61
For Work In Restricted Working Space, Add	43.51	
23 21 13 23-0160 EA 4", 250 LB, Black Malleable Iron Union.....	665.23	103.56
For Work In Restricted Working Space, Add	46.61	
23 21 13 23-0161 EA 3/8", 300 LB, Black Malleable Iron Union.....	57.82	10.36
For Work In Restricted Working Space, Add	6.22	
23 21 13 23-0162 EA 1/2", 300 LB, Black Malleable Iron Union.....	61.11	20.72
For Work In Restricted Working Space, Add	9.33	
23 21 13 23-0163 EA 3/4", 300 LB, Black Malleable Iron Union.....	69.12	23.99
For Work In Restricted Working Space, Add	10.77	
23 21 13 23-0164 EA 1", 300 LB, Black Malleable Iron Union.....	85.80	28.29
For Work In Restricted Working Space, Add	12.73	
23 21 13 23-0165 EA 1-1/4", 300 LB, Black Malleable Iron Union.....	121.19	33.69
For Work In Restricted Working Space, Add	15.14	
23 21 13 23-0166 EA 1-1/2", 300 LB, Black Malleable Iron Union.....	134.30	40.14
For Work In Restricted Working Space, Add	18.07	
23 21 13 23-0167 EA 2", 300 LB, Black Malleable Iron Union.....	166.43	49.85
For Work In Restricted Working Space, Add	22.40	
23 21 13 23-0168 EA 2-1/2", 300 LB, Black Malleable Iron Union.....	406.08	73.45
For Work In Restricted Working Space, Add	33.07	
23 21 13 23-0169 EA 3", 300 LB, Black Malleable Iron Union.....	527.78	96.61
For Work In Restricted Working Space, Add	43.51	
23 21 13 23-0170 EA 4", 300 LB, Black Malleable Iron Union.....	1,370.14	103.56
For Work In Restricted Working Space, Add	46.61	
23 21 13 23-0171 Black Steel Nipples (23 21 13 23-0014)		
23 21 13 23-0172 EA 3/8" x Close, Schedule 40 Black Steel Nipple.....	14.95	8.86
For Schedule 80 Nipples, Add	0.81	
For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0173 EA 1/2" x Close, Schedule 40 Black Steel Nipple.....	14.70	8.86
For Schedule 80 Nipples, Add	0.69	
For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0174 EA 3/4" x Close, Schedule 40 Black Steel Nipple.....	14.90	8.86
For Schedule 80 Nipples, Add	0.79	
For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0175 EA 1" x Close, Schedule 40 Black Steel Nipple.....	16.64	9.61
For Schedule 80 Nipples, Add	1.14	
For Work In Restricted Working Space, Add	4.31	
23 21 13 23-0176 EA 1-1/4" x Close, Schedule 40 Black Steel Nipple.....	18.45	10.36
For Schedule 80 Nipples, Add	1.45	
For Work In Restricted Working Space, Add	4.67	
23 21 13 23-0177 EA 1-1/2" x Close, Schedule 40 Black Steel Nipple.....	19.16	10.36
For Schedule 80 Nipples, Add	1.80	
For Work In Restricted Working Space, Add	4.67	
23 21 13 23-0178 EA 2" x Close, Schedule 40 Black Steel Nipple.....	24.98	13.35
For Schedule 80 Nipples, Add	2.45	
For Work In Restricted Working Space, Add	6.02	
23 21 13 23-0179 EA 2-1/2" x Close, Schedule 40 Black Steel Nipple.....	40.22	16.62
For Schedule 80 Nipples, Add	7.67	
For Work In Restricted Working Space, Add	7.47	
23 21 13 23-0180 EA 3" x Close, Schedule 40 Black Steel Nipple.....	48.33	20.07
For Schedule 80 Nipples, Add	9.11	
For Work In Restricted Working Space, Add	9.03	
23 21 13 23-0181 EA 4" x Close, Schedule 40 Black Steel Nipple.....	63.53	24.08
For Schedule 80 Nipples, Add	13.72	
For Work In Restricted Working Space, Add	10.83	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0182	EA	3/8" x 1-1/2" Long, Schedule 40 Black Steel Nipple.....	15.17	8.86
		For Schedule 80 Nipples, Add	0.92	
		For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0183	EA	1/2" x 1-1/2" Long, Schedule 40 Black Steel Nipple.....	14.70	8.86
		For Schedule 80 Nipples, Add	0.69	
		For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0184	EA	3/4" x 1-1/2" Long, Schedule 40 Black Steel Nipple.....	15.02	8.86
		For Schedule 80 Nipples, Add	0.85	
		For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0185	EA	3/8" x 2" Long, Schedule 40 Black Steel Nipple.....	15.17	8.86
		For Schedule 80 Nipples, Add	0.92	
		For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0186	EA	1/2" x 2" Long, Schedule 40 Black Steel Nipple.....	14.70	8.86
		For Schedule 80 Nipples, Add	0.69	
		For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0187	EA	3/4" x 2" Long, Schedule 40 Black Steel Nipple.....	15.02	8.86
		For Schedule 80 Nipples, Add	0.85	
		For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0188	EA	1" x 2" Long, Schedule 40 Black Steel Nipple.....	16.86	9.61
		For Schedule 80 Nipples, Add	1.25	
		For Work In Restricted Working Space, Add	4.31	
23 21 13 23-0189	EA	1-1/4" x 2" Long, Schedule 40 Black Steel Nipple.....	18.84	10.36
		For Schedule 80 Nipples, Add	1.64	
		For Work In Restricted Working Space, Add	4.67	
23 21 13 23-0190	EA	1-1/2" x 2" Long, Schedule 40 Black Steel Nipple.....	19.44	10.36
		For Schedule 80 Nipples, Add	1.94	
		For Work In Restricted Working Space, Add	4.67	
23 21 13 23-0191	EA	3/8" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	15.69	8.86
		For Schedule 80 Nipples, Add	1.18	
		For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0192	EA	1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	14.95	8.86
		For Schedule 80 Nipples, Add	0.81	
		For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0193	EA	3/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	15.24	8.86
		For Schedule 80 Nipples, Add	0.96	
		For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0194	EA	1" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	17.01	9.61
		For Schedule 80 Nipples, Add	1.33	
		For Work In Restricted Working Space, Add	4.31	
23 21 13 23-0195	EA	1-1/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	19.04	10.36
		For Schedule 80 Nipples, Add	1.74	
		For Work In Restricted Working Space, Add	4.67	
23 21 13 23-0196	EA	1-1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	19.90	10.36
		For Schedule 80 Nipples, Add	2.17	
		For Work In Restricted Working Space, Add	4.67	
23 21 13 23-0197	EA	2" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	25.70	13.35
		For Schedule 80 Nipples, Add	2.81	
		For Work In Restricted Working Space, Add	6.02	
23 21 13 23-0198	EA	3/8" x 3" Long, Schedule 40 Black Steel Nipple.....	15.69	8.86
		For Schedule 80 Nipples, Add	1.18	
		For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0199	EA	1/2" x 3" Long, Schedule 40 Black Steel Nipple.....	14.95	8.86
		For Schedule 80 Nipples, Add	0.81	
		For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0200	EA	3/4" x 3" Long, Schedule 40 Black Steel Nipple.....	15.24	8.86
		For Schedule 80 Nipples, Add	0.96	
		For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0201	EA	1" x 3" Long, Schedule 40 Black Steel Nipple.....	17.01	9.61
		For Schedule 80 Nipples, Add	1.33	
		For Work In Restricted Working Space, Add	4.31	
23 21 13 23-0202	EA	1-1/4" x 3" Long, Schedule 40 Black Steel Nipple.....	19.04	10.36
		For Schedule 80 Nipples, Add	1.74	
		For Work In Restricted Working Space, Add	4.67	
23 21 13 23-0203	EA	1-1/2" x 3" Long, Schedule 40 Black Steel Nipple.....	19.90	10.36
		For Schedule 80 Nipples, Add	2.17	
		For Work In Restricted Working Space, Add	4.67	
23 21 13 23-0204	EA	2" x 3" Long, Schedule 40 Black Steel Nipple.....	25.70	13.35
		For Schedule 80 Nipples, Add	2.81	
		For Work In Restricted Working Space, Add	6.02	
23 21 13 23-0205	EA	2-1/2" x 3" Long, Schedule 40 Black Steel Nipple.....	40.63	16.62
		For Schedule 80 Nipples, Add	7.87	
		For Work In Restricted Working Space, Add	7.47	
23 21 13 23-0206	EA	3" x 3" Long, Schedule 40 Black Steel Nipple.....	49.92	20.07
		For Schedule 80 Nipples, Add	9.91	
		For Work In Restricted Working Space, Add	9.03	
23 21 13 23-0207	EA	3/8" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	16.12	8.86
		For Schedule 80 Nipples, Add	1.40	
		For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0208	EA	1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	15.27	8.86
		For Schedule 80 Nipples, Add	0.97	
		For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0209	EA	3/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	15.69	8.86
		For Schedule 80 Nipples, Add	1.18	
		For Work In Restricted Working Space, Add	4.00	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0210 EA 1" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	17.64	9.61
For Schedule 80 Nipples, Add	1.64	
For Work In Restricted Working Space, Add	4.31	
23 21 13 23-0211 EA 1-1/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	19.68	10.36
For Schedule 80 Nipples, Add	2.06	
For Work In Restricted Working Space, Add	4.67	
23 21 13 23-0212 EA 1-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	20.42	10.36
For Schedule 80 Nipples, Add	2.43	
For Work In Restricted Working Space, Add	4.67	
23 21 13 23-0213 EA 2" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	26.89	13.35
For Schedule 80 Nipples, Add	3.41	
For Work In Restricted Working Space, Add	6.02	
23 21 13 23-0214 EA 2-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	43.40	16.62
For Schedule 80 Nipples, Add	9.26	
For Work In Restricted Working Space, Add	7.47	
23 21 13 23-0215 EA 3" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	53.57	20.07
For Schedule 80 Nipples, Add	11.73	
For Work In Restricted Working Space, Add	9.03	
23 21 13 23-0216 EA 3/8" x 4" Long, Schedule 40 Black Steel Nipple.....	16.12	8.86
For Schedule 80 Nipples, Add	1.40	
For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0217 EA 1/2" x 4" Long, Schedule 40 Black Steel Nipple.....	15.27	8.86
For Schedule 80 Nipples, Add	0.97	
For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0218 EA 3/4" x 4" Long, Schedule 40 Black Steel Nipple.....	15.69	8.86
For Schedule 80 Nipples, Add	1.18	
For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0219 EA 1" x 4" Long, Schedule 40 Black Steel Nipple.....	17.64	9.61
For Schedule 80 Nipples, Add	1.64	
For Work In Restricted Working Space, Add	4.31	
23 21 13 23-0220 EA 1-1/4" x 4" Long, Schedule 40 Black Steel Nipple.....	19.68	10.36
For Schedule 80 Nipples, Add	2.06	
For Work In Restricted Working Space, Add	4.67	
23 21 13 23-0221 EA 1-1/2" x 4" Long, Schedule 40 Black Steel Nipple.....	20.42	10.36
For Schedule 80 Nipples, Add	2.43	
For Work In Restricted Working Space, Add	4.67	
23 21 13 23-0222 EA 2" x 4" Long, Schedule 40 Black Steel Nipple.....	26.89	13.35
For Schedule 80 Nipples, Add	3.41	
For Work In Restricted Working Space, Add	6.02	
23 21 13 23-0223 EA 2-1/2" x 4" Long, Schedule 40 Black Steel Nipple.....	43.40	16.62
For Schedule 80 Nipples, Add	9.26	
For Work In Restricted Working Space, Add	7.47	
23 21 13 23-0224 EA 3" x 4" Long, Schedule 40 Black Steel Nipple.....	53.57	20.07
For Schedule 80 Nipples, Add	11.73	
For Work In Restricted Working Space, Add	9.03	
23 21 13 23-0225 EA 4" x 4" Long, Schedule 40 Black Steel Nipple.....	67.84	24.08
For Schedule 80 Nipples, Add	15.88	
For Work In Restricted Working Space, Add	10.83	
23 21 13 23-0226 EA 3/8" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	17.35	8.86
For Schedule 80 Nipples, Add	2.01	
For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0227 EA 1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	15.61	8.86
For Schedule 80 Nipples, Add	1.14	
For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0228 EA 3/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	16.30	8.86
For Schedule 80 Nipples, Add	1.49	
For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0229 EA 1" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	18.24	9.61
For Schedule 80 Nipples, Add	1.94	
For Work In Restricted Working Space, Add	4.31	
23 21 13 23-0230 EA 1-1/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	20.49	10.36
For Schedule 80 Nipples, Add	2.47	
For Work In Restricted Working Space, Add	4.67	
23 21 13 23-0231 EA 1-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	21.50	10.36
For Schedule 80 Nipples, Add	2.97	
For Work In Restricted Working Space, Add	4.67	
23 21 13 23-0232 EA 2" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	27.92	13.35
For Schedule 80 Nipples, Add	3.92	
For Work In Restricted Working Space, Add	6.02	
23 21 13 23-0233 EA 2-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	45.22	16.62
For Schedule 80 Nipples, Add	10.17	
For Work In Restricted Working Space, Add	7.47	
23 21 13 23-0234 EA 3" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	55.98	20.07
For Schedule 80 Nipples, Add	12.94	
For Work In Restricted Working Space, Add	9.03	
23 21 13 23-0235 EA 4" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	72.36	24.08
For Schedule 80 Nipples, Add	18.14	
For Work In Restricted Working Space, Add	10.83	
23 21 13 23-0236 EA 3/8" x 5" Long, Schedule 40 Black Steel Nipple.....	17.35	8.86
For Schedule 80 Nipples, Add	2.01	
For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0237 EA 1/2" x 5" Long, Schedule 40 Black Steel Nipple.....	15.61	8.86
For Schedule 80 Nipples, Add	1.14	
For Work In Restricted Working Space, Add	4.00	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0238	EA	3/4" x 5" Long, Schedule 40 Black Steel Nipple.....	16.30	8.86
		For Schedule 80 Nipples, Add	1.49	
		For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0239	EA	1" x 5" Long, Schedule 40 Black Steel Nipple.....	18.24	9.61
		For Schedule 80 Nipples, Add	1.94	
		For Work In Restricted Working Space, Add	4.31	
23 21 13 23-0240	EA	1-1/4" x 5" Long, Schedule 40 Black Steel Nipple.....	20.49	10.36
		For Schedule 80 Nipples, Add	2.47	
		For Work In Restricted Working Space, Add	4.67	
23 21 13 23-0241	EA	1-1/2" x 5" Long, Schedule 40 Black Steel Nipple.....	21.50	10.36
		For Schedule 80 Nipples, Add	2.97	
		For Work In Restricted Working Space, Add	4.67	
23 21 13 23-0242	EA	2" x 5" Long, Schedule 40 Black Steel Nipple.....	27.92	13.35
		For Schedule 80 Nipples, Add	3.92	
		For Work In Restricted Working Space, Add	6.02	
23 21 13 23-0243	EA	2-1/2" x 5" Long, Schedule 40 Black Steel Nipple.....	45.22	16.62
		For Schedule 80 Nipples, Add	10.17	
		For Work In Restricted Working Space, Add	7.47	
23 21 13 23-0244	EA	3" x 5" Long, Schedule 40 Black Steel Nipple.....	55.98	20.07
		For Schedule 80 Nipples, Add	12.94	
		For Work In Restricted Working Space, Add	9.03	
23 21 13 23-0245	EA	4" x 5" Long, Schedule 40 Black Steel Nipple.....	72.36	24.08
		For Schedule 80 Nipples, Add	18.14	
		For Work In Restricted Working Space, Add	10.83	
23 21 13 23-0246	EA	3/8" x 6" Long, Schedule 40 Black Steel Nipple.....	17.80	8.86
		For Schedule 80 Nipples, Add	2.24	
		For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0247	EA	1/2" x 6" Long, Schedule 40 Black Steel Nipple.....	15.88	8.86
		For Schedule 80 Nipples, Add	1.28	
		For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0248	EA	3/4" x 6" Long, Schedule 40 Black Steel Nipple.....	16.71	8.86
		For Schedule 80 Nipples, Add	1.69	
		For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0249	EA	1" x 6" Long, Schedule 40 Black Steel Nipple.....	18.95	9.61
		For Schedule 80 Nipples, Add	2.30	
		For Work In Restricted Working Space, Add	4.31	
23 21 13 23-0250	EA	1-1/4" x 6" Long, Schedule 40 Black Steel Nipple.....	21.40	10.36
		For Schedule 80 Nipples, Add	2.92	
		For Work In Restricted Working Space, Add	4.67	
23 21 13 23-0251	EA	1-1/2" x 6" Long, Schedule 40 Black Steel Nipple.....	22.38	10.36
		For Schedule 80 Nipples, Add	3.41	
		For Work In Restricted Working Space, Add	4.67	
23 21 13 23-0252	EA	2" x 6" Long, Schedule 40 Black Steel Nipple.....	29.27	13.35
		For Schedule 80 Nipples, Add	4.60	
		For Work In Restricted Working Space, Add	6.02	
23 21 13 23-0253	EA	2-1/2" x 6" Long, Schedule 40 Black Steel Nipple.....	46.08	16.62
		For Schedule 80 Nipples, Add	10.60	
		For Work In Restricted Working Space, Add	7.47	
23 21 13 23-0254	EA	3" x 6" Long, Schedule 40 Black Steel Nipple.....	58.23	20.07
		For Schedule 80 Nipples, Add	14.06	
		For Work In Restricted Working Space, Add	9.03	
23 21 13 23-0255	EA	4" x 6" Long, Schedule 40 Black Steel Nipple.....	74.86	24.08
		For Schedule 80 Nipples, Add	19.39	
		For Work In Restricted Working Space, Add	10.83	
23 21 13 23-0256	EA	3/8" x 8" Long, Schedule 40 Black Steel Nipple.....	21.18	8.86
		For Schedule 80 Nipples, Add	3.93	
		For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0257	EA	1/2" x 8" Long, Schedule 40 Black Steel Nipple.....	17.92	8.86
		For Schedule 80 Nipples, Add	2.30	
		For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0258	EA	3/4" x 8" Long, Schedule 40 Black Steel Nipple.....	18.95	8.86
		For Schedule 80 Nipples, Add	2.81	
		For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0259	EA	1" x 8" Long, Schedule 40 Black Steel Nipple.....	21.87	9.61
		For Schedule 80 Nipples, Add	3.76	
		For Work In Restricted Working Space, Add	4.31	
23 21 13 23-0260	EA	1-1/4" x 8" Long, Schedule 40 Black Steel Nipple.....	25.00	10.36
		For Schedule 80 Nipples, Add	4.72	
		For Work In Restricted Working Space, Add	4.67	
23 21 13 23-0261	EA	1-1/2" x 8" Long, Schedule 40 Black Steel Nipple.....	26.38	10.36
		For Schedule 80 Nipples, Add	5.41	
		For Work In Restricted Working Space, Add	4.67	
23 21 13 23-0262	EA	2" x 8" Long, Schedule 40 Black Steel Nipple.....	35.48	13.35
		For Schedule 80 Nipples, Add	7.70	
		For Work In Restricted Working Space, Add	6.02	
23 21 13 23-0263	EA	2-1/2" x 8" Long, Schedule 40 Black Steel Nipple.....	51.86	16.62
		For Schedule 80 Nipples, Add	13.49	
		For Work In Restricted Working Space, Add	7.47	
23 21 13 23-0264	EA	3" x 8" Long, Schedule 40 Black Steel Nipple.....	68.04	20.07
		For Schedule 80 Nipples, Add	18.97	
		For Work In Restricted Working Space, Add	9.03	
23 21 13 23-0265	EA	4" x 8" Long, Schedule 40 Black Steel Nipple.....	80.84	24.08
		For Schedule 80 Nipples, Add	22.38	
		For Work In Restricted Working Space, Add	10.83	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0266	EA	3/8" x 10" Long, Schedule 40 Black Steel Nipple	22.14	8.86
		For Schedule 80 Nipples, Add	4.41	
		For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0267	EA	1/2" x 10" Long, Schedule 40 Black Steel Nipple	18.85	8.86
		For Schedule 80 Nipples, Add	2.76	
		For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0268	EA	3/4" x 10" Long, Schedule 40 Black Steel Nipple	19.87	8.86
		For Schedule 80 Nipples, Add	3.27	
		For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0269	EA	1" x 10" Long, Schedule 40 Black Steel Nipple	23.14	9.61
		For Schedule 80 Nipples, Add	4.39	
		For Work In Restricted Working Space, Add	4.31	
23 21 13 23-0270	EA	1-1/4" x 10" Long, Schedule 40 Black Steel Nipple	26.87	10.36
		For Schedule 80 Nipples, Add	5.66	
		For Work In Restricted Working Space, Add	4.67	
23 21 13 23-0271	EA	1-1/2" x 10" Long, Schedule 40 Black Steel Nipple	28.22	10.36
		For Schedule 80 Nipples, Add	6.33	
		For Work In Restricted Working Space, Add	4.67	
23 21 13 23-0272	EA	2" x 10" Long, Schedule 40 Black Steel Nipple	38.18	13.35
		For Schedule 80 Nipples, Add	9.05	
		For Work In Restricted Working Space, Add	6.02	
23 21 13 23-0273	EA	2-1/2" x 10" Long, Schedule 40 Black Steel Nipple	55.18	16.62
		For Schedule 80 Nipples, Add	15.15	
		For Work In Restricted Working Space, Add	7.47	
23 21 13 23-0274	EA	3" x 10" Long, Schedule 40 Black Steel Nipple	72.71	20.07
		For Schedule 80 Nipples, Add	21.30	
		For Work In Restricted Working Space, Add	9.03	
23 21 13 23-0275	EA	4" x 10" Long, Schedule 40 Black Steel Nipple	87.05	24.08
		For Schedule 80 Nipples, Add	25.48	
		For Work In Restricted Working Space, Add	10.83	
23 21 13 23-0276	EA	3/8" x 12" Long, Schedule 40 Black Steel Nipple	23.36	8.86
		For Schedule 80 Nipples, Add	5.02	
		For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0277	EA	1/2" x 12" Long, Schedule 40 Black Steel Nipple	19.88	8.86
		For Schedule 80 Nipples, Add	3.28	
		For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0278	EA	3/4" x 12" Long, Schedule 40 Black Steel Nipple	20.59	8.86
		For Schedule 80 Nipples, Add	3.63	
		For Work In Restricted Working Space, Add	4.00	
23 21 13 23-0279	EA	1" x 12" Long, Schedule 40 Black Steel Nipple	24.44	9.61
		For Schedule 80 Nipples, Add	5.04	
		For Work In Restricted Working Space, Add	4.31	
23 21 13 23-0280	EA	1-1/4" x 12" Long, Schedule 40 Black Steel Nipple	28.39	10.36
		For Schedule 80 Nipples, Add	6.42	
		For Work In Restricted Working Space, Add	4.67	
23 21 13 23-0281	EA	1-1/2" x 12" Long, Schedule 40 Black Steel Nipple	30.15	10.36
		For Schedule 80 Nipples, Add	7.30	
		For Work In Restricted Working Space, Add	4.67	
23 21 13 23-0282	EA	2" x 12" Long, Schedule 40 Black Steel Nipple	40.92	13.35
		For Schedule 80 Nipples, Add	10.42	
		For Work In Restricted Working Space, Add	6.02	
23 21 13 23-0283	EA	2-1/2" x 12" Long, Schedule 40 Black Steel Nipple	58.60	16.62
		For Schedule 80 Nipples, Add	16.86	
		For Work In Restricted Working Space, Add	7.47	
23 21 13 23-0284	EA	3" x 12" Long, Schedule 40 Black Steel Nipple	77.39	20.07
		For Schedule 80 Nipples, Add	23.64	
		For Work In Restricted Working Space, Add	9.03	
23 21 13 23-0285	EA	4" x 12" Long, Schedule 40 Black Steel Nipple	95.83	24.08
		For Schedule 80 Nipples, Add	29.87	
		For Work In Restricted Working Space, Add	10.83	
23 21 13 23-0286		Black Malleable Iron Bushing (23 21 13 23-0014)		
23 21 13 23-0287	EA	1/2" x 3/8", 150 LB, Black Malleable Iron Bushing	28.29	15.22
		For Work In Restricted Working Space, Add	6.84	
23 21 13 23-0288	EA	3/4" x 3/8", 150 LB, Black Malleable Iron Bushing	32.41	16.34
		For Work In Restricted Working Space, Add	7.35	
23 21 13 23-0289	EA	3/4" x 1/2", 150 LB, Black Malleable Iron Bushing	34.28	17.55
		For Work In Restricted Working Space, Add	7.91	
23 21 13 23-0290	EA	1" x 3/8", 150 LB, Black Malleable Iron Bushing	37.03	17.46
		For Work In Restricted Working Space, Add	7.84	
23 21 13 23-0291	EA	1" x 1/2", 150 LB, Black Malleable Iron Bushing	36.14	18.67
		For Work In Restricted Working Space, Add	8.40	
23 21 13 23-0292	EA	1" x 3/4", 150 LB, Black Malleable Iron Bushing	37.63	19.69
		For Work In Restricted Working Space, Add	8.85	
23 21 13 23-0293	EA	1-1/4" x 3/8", 150 LB, Black Malleable Iron Bushing	40.40	18.76
		For Work In Restricted Working Space, Add	8.46	
23 21 13 23-0294	EA	1-1/4" x 1/2", 150 LB, Black Malleable Iron Bushing	41.72	20.07
		For Work In Restricted Working Space, Add	9.02	
23 21 13 23-0295	EA	1-1/4" x 3/4", 150 LB, Black Malleable Iron Bushing	42.04	21.01
		For Work In Restricted Working Space, Add	9.46	
23 21 13 23-0296	EA	1-1/4" x 1", 150 LB, Black Malleable Iron Bushing	43.67	22.12
		For Work In Restricted Working Space, Add	9.95	
23 21 13 23-0297	EA	1-1/2" x 3/8", 150 LB, Black Malleable Iron Bushing	46.55	20.35
		For Work In Restricted Working Space, Add	9.13	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0298	EA	1-1/2" x 1/2", 150 LB, Black Malleable Iron Bushing	45.58	21.56
		For Work In Restricted Working Space, Add	9.69	
23 21 13 23-0299	EA	1-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing	47.07	22.50
		For Work In Restricted Working Space, Add	10.14	
23 21 13 23-0300	EA	1-1/2" x 1", 150 LB, Black Malleable Iron Bushing	47.09	23.62
		For Work In Restricted Working Space, Add	10.63	
23 21 13 23-0301	EA	1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing	50.78	25.02
		For Work In Restricted Working Space, Add	11.24	
23 21 13 23-0302	EA	2" x 3/8", 150 LB, Black Malleable Iron Bushing	58.57	23.90
		For Work In Restricted Working Space, Add	10.74	
23 21 13 23-0303	EA	2" x 1/2", 150 LB, Black Malleable Iron Bushing	57.74	25.11
		For Work In Restricted Working Space, Add	11.30	
23 21 13 23-0304	EA	2" x 3/4", 150 LB, Black Malleable Iron Bushing	56.13	26.14
		For Work In Restricted Working Space, Add	11.75	
23 21 13 23-0305	EA	2" x 1", 150 LB, Black Malleable Iron Bushing	56.68	27.16
		For Work In Restricted Working Space, Add	12.23	
23 21 13 23-0306	EA	2" x 1-1/4", 150 LB, Black Malleable Iron Bushing	58.74	28.56
		For Work In Restricted Working Space, Add	12.85	
23 21 13 23-0307	EA	2" x 1-1/2", 150 LB, Black Malleable Iron Bushing	62.78	30.05
		For Work In Restricted Working Space, Add	13.53	
23 21 13 23-0308	EA	2-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing	80.16	34.17
		For Work In Restricted Working Space, Add	15.38	
23 21 13 23-0309	EA	2-1/2" x 1", 150 LB, Black Malleable Iron Bushing	81.78	35.29
		For Work In Restricted Working Space, Add	15.87	
23 21 13 23-0310	EA	2-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing	83.84	36.59
		For Work In Restricted Working Space, Add	16.49	
23 21 13 23-0311	EA	2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Bushing	84.11	38.18
		For Work In Restricted Working Space, Add	17.16	
23 21 13 23-0312	EA	2-1/2" x 2", 150 LB, Black Malleable Iron Bushing	89.26	41.72
		For Work In Restricted Working Space, Add	18.77	
23 21 13 23-0313	EA	3" x 3/4", 150 LB, Black Malleable Iron Bushing	103.01	42.00
		For Work In Restricted Working Space, Add	18.92	
23 21 13 23-0314	EA	3" x 1", 150 LB, Black Malleable Iron Bushing	104.63	43.12
		For Work In Restricted Working Space, Add	19.40	
23 21 13 23-0315	EA	3" x 1-1/4", 150 LB, Black Malleable Iron Bushing	106.69	44.52
		For Work In Restricted Working Space, Add	20.02	
23 21 13 23-0316	EA	3" x 1-1/2", 150 LB, Black Malleable Iron Bushing	108.17	46.01
		For Work In Restricted Working Space, Add	20.70	
23 21 13 23-0317	EA	3" x 2", 150 LB, Black Malleable Iron Bushing	110.96	49.56
		For Work In Restricted Working Space, Add	22.31	
23 21 13 23-0318	EA	3" x 2-1/2", 150 LB, Black Malleable Iron Bushing	123.62	57.68
		For Work In Restricted Working Space, Add	25.94	
23 21 13 23-0319	EA	4" x 3/4", 150 LB, Black Malleable Iron Bushing	142.74	44.03
		For Work In Restricted Working Space, Add	19.83	
23 21 13 23-0320	EA	4" x 1", 150 LB, Black Malleable Iron Bushing	144.30	45.11
		For Work In Restricted Working Space, Add	20.30	
23 21 13 23-0321	EA	4" x 1-1/4", 150 LB, Black Malleable Iron Bushing	146.29	46.46
		For Work In Restricted Working Space, Add	20.90	
23 21 13 23-0322	EA	4" x 1-1/2", 150 LB, Black Malleable Iron Bushing	148.46	47.91
		For Work In Restricted Working Space, Add	21.55	
23 21 13 23-0323	EA	4" x 2", 150 LB, Black Malleable Iron Bushing	149.53	51.33
		For Work In Restricted Working Space, Add	23.10	
23 21 13 23-0324	EA	4" x 2-1/2", 150 LB, Black Malleable Iron Bushing	161.23	59.18
		For Work In Restricted Working Space, Add	26.61	
23 21 13 23-0325	EA	4" x 3", 150 LB, Black Malleable Iron Bushing	172.63	66.76
		For Work In Restricted Working Space, Add	30.03	
23 21 13 23-0326		Black Malleable Iron Square Head Plugs (23 21 13 23-0014)		
23 21 13 23-0327	EA	3/8", 150 LB, Black Malleable Iron Square Head Plug	12.48	5.51
		For Work In Restricted Working Space, Add	2.49	
23 21 13 23-0328	EA	1/2", 150 LB, Black Malleable Iron Square Head Plug	14.42	6.63
		For Work In Restricted Working Space, Add	2.99	
23 21 13 23-0329	EA	3/4", 150 LB, Black Malleable Iron Square Head Plug	15.60	7.46
		For Work In Restricted Working Space, Add	3.34	
23 21 13 23-0330	EA	1", 150 LB, Black Malleable Iron Square Head Plug	18.05	8.31
		For Work In Restricted Working Space, Add	3.73	
23 21 13 23-0331	EA	1-1/4", 150 LB, Black Malleable Iron Square Head Plug	21.16	9.43
		For Work In Restricted Working Space, Add	4.23	
23 21 13 23-0332	EA	1-1/2", 150 LB, Black Malleable Iron Square Head Plug	25.74	10.55
		For Work In Restricted Working Space, Add	4.76	
23 21 13 23-0333	EA	2", 150 LB, Black Malleable Iron Square Head Plug	34.20	13.44
		For Work In Restricted Working Space, Add	6.05	
23 21 13 23-0334	EA	2-1/2", 150 LB, Black Malleable Iron Square Head Plug	55.38	19.89
		For Work In Restricted Working Space, Add	8.96	
23 21 13 23-0335	EA	3", 150 LB, Black Malleable Iron Square Head Plug	74.33	26.23
		For Work In Restricted Working Space, Add	11.79	
23 21 13 23-0336	EA	4", 150 LB, Black Malleable Iron Square Head Plug	115.57	28.06
		For Work In Restricted Working Space, Add	12.63	
23 21 13 23-0337	EA	5", 150 LB, Black Malleable Iron Square Head Plug	201.74	29.32
		For Work In Restricted Working Space, Add	13.18	
23 21 13 23-0338	EA	6", 150 LB, Black Malleable Iron Square Head Plug	241.39	30.58
		For Work In Restricted Working Space, Add	13.78	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
FOR BIDDING					
23 21 13 23-0339 125 LB Black Cast Iron Screwed Flanges (23 21 13 23-0014)					
Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.					
23 21 13 23-0340	EA	3/4", 125 LB, Black Cast Iron Flange	136.00	37.33	
		For Work In Restricted Working Space, Add	16.80		
23 21 13 23-0341	EA	1", 125 LB, Black Cast Iron Flange	114.15	42.19	
		For Work In Restricted Working Space, Add	18.98		
23 21 13 23-0342	EA	1-1/4", 125 LB, Black Cast Iron Flange	126.36	43.69	
		For Work In Restricted Working Space, Add	19.65		
23 21 13 23-0343	EA	1-1/2", 125 LB, Black Cast Iron Flange	127.50	47.51	
		For Work In Restricted Working Space, Add	21.38		
23 21 13 23-0344	EA	2", 125 LB, Black Cast Iron Flange	130.49	49.56	
		For Work In Restricted Working Space, Add	22.31		
23 21 13 23-0345	EA	2-1/2", 125 LB, Black Cast Iron Flange	151.67	57.40	
		For Work In Restricted Working Space, Add	25.80		
23 21 13 23-0346	EA	3", 125 LB, Black Cast Iron Flange	193.76	72.81	
		For Work In Restricted Working Space, Add	32.75		
23 21 13 23-0347	EA	4", 125 LB, Black Cast Iron Flange	258.34	96.26	
		For Work In Restricted Working Space, Add	43.30		
23 21 13 23-0348	EA	5", 125 LB, Black Cast Iron Flange	332.87	114.67	
		For Work In Restricted Working Space, Add	51.55		
23 21 13 23-0349	EA	6", 125 LB, Black Cast Iron Flange	379.55	131.63	
		For Work In Restricted Working Space, Add	59.21		
23 21 13 23-0350 150 LB, Black Malleable Iron Flanges (23 21 13 23-0014)					
Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.					
23 21 13 23-0351	EA	1/2", 150 LB, Black Malleable Iron Flange	68.83	34.06	
		For Work In Restricted Working Space, Add	15.34		
23 21 13 23-0352	EA	3/4", 150 LB, Black Malleable Iron Flange	75.07	37.33	
		For Work In Restricted Working Space, Add	16.80		
23 21 13 23-0353	EA	1", 150 LB, Black Malleable Iron Flange	88.04	42.19	
		For Work In Restricted Working Space, Add	18.98		
23 21 13 23-0354	EA	1-1/4", 150 LB, Black Malleable Iron Flange	91.97	43.69	
		For Work In Restricted Working Space, Add	19.65		
23 21 13 23-0355	EA	1-1/2", 150 LB, Black Malleable Iron Flange	100.15	47.51	
		For Work In Restricted Working Space, Add	21.38		
23 21 13 23-0356	EA	2", 150 LB, Black Malleable Iron Flange	112.04	49.56	
		For Work In Restricted Working Space, Add	22.31		
23 21 13 23-0357	EA	2-1/2", 150 LB, Black Malleable Iron Flange	145.10	57.40	
		For Work In Restricted Working Space, Add	25.80		
23 21 13 23-0358	EA	3", 150 LB, Black Malleable Iron Flange	183.82	72.81	
		For Work In Restricted Working Space, Add	32.74		
23 21 13 23-0359	EA	4", 150 LB, Black Malleable Iron Flange	271.17	96.26	
		For Work In Restricted Working Space, Add	43.29		
23 21 13 23-0360 Cut And Thread Existing In-Place Black Steel Pipe (23 21 13 23-0014)					
Note: For use when connecting pipe to an existing in-place system.					
23 21 13 23-0361	EA	1/2", Cut And Thread Existing In Place Black Steel Pipe	30.41		
		For Work In Restricted Working Space, Add	9.12		
23 21 13 23-0362	EA	3/4", Cut And Thread Existing In Place Black Steel Pipe	33.44		
		For Work In Restricted Working Space, Add	10.03		
23 21 13 23-0363	EA	1", Cut And Thread Existing In Place Black Steel Pipe	36.49		
		For Work In Restricted Working Space, Add	10.95		
23 21 13 23-0364	EA	1-1/4", Cut And Thread Existing In Place Black Steel Pipe	39.53		
		For Work In Restricted Working Space, Add	11.86		
23 21 13 23-0365	EA	1-1/2", Cut And Thread Existing In Place Black Steel Pipe	41.55		
		For Work In Restricted Working Space, Add	12.47		
23 21 13 23-0366	EA	2", Cut And Thread Existing In Place Black Steel Pipe	43.58		
		For Work In Restricted Working Space, Add	13.07		
23 21 13 23-0367	EA	2-1/2", Cut And Thread Existing In Place Black Steel Pipe	45.61		
		For Work In Restricted Working Space, Add	13.68		
23 21 13 23-0368	EA	3", Cut And Thread Existing In Place Black Steel Pipe	47.63		
		For Work In Restricted Working Space, Add	14.29		
23 21 13 23-0369	EA	4", Cut And Thread Existing In Place Black Steel Pipe	49.66		
		For Work In Restricted Working Space, Add	14.90		
23 21 13 23-0370	EA	6", Cut And Thread Existing In Place Black Steel Pipe	53.71		
		For Work In Restricted Working Space, Add	16.11		
23 21 13 23-0371	EA	8", Cut And Thread Existing In Place Black Steel Pipe	57.76		
		For Work In Restricted Working Space, Add	17.33		
23 21 13 23-0372	EA	10", Cut And Thread Existing In Place Black Steel Pipe	62.83		
		For Work In Restricted Working Space, Add	18.85		
23 21 13 23-0373	EA	12", Cut And Thread Existing In Place Black Steel Pipe	66.88		
		For Work In Restricted Working Space, Add	20.06		
23 21 13 23-0374 Welded Black Steel Pipe (23 21 13 23)					
23 21 13 23-0375 Welded Plain End Black Steel Pipe Assemblies (23 21 13 23-0374)					
Note: ASTM A-53 pipe and A-234 WPB fittings. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Piping and Pumps			23 20
Hydronic Piping and Pumps			23 21

23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0376	LF	3/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	22.33	7.10
		For Work In Restricted Working Space, Add	5.19	
23 21 13 23-0377	LF	1" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	24.71	7.57
		For Work In Restricted Working Space, Add	5.81	
23 21 13 23-0378	LF	1-1/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	29.50	8.05
		For Work In Restricted Working Space, Add	6.67	
23 21 13 23-0379	LF	1-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	31.29	8.05
		For Work In Restricted Working Space, Add	6.98	
23 21 13 23-0380	LF	2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	35.68	8.05
		For Work In Restricted Working Space, Add	8.07	
23 21 13 23-0381	LF	2-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	41.34	8.05
		For Work In Restricted Working Space, Add	9.36	
23 21 13 23-0382	LF	3" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	47.35	7.86
		For Work In Restricted Working Space, Add	9.88	
23 21 13 23-0383	LF	4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	62.19	9.90
		For Work In Restricted Working Space, Add	12.29	
23 21 13 23-0384	LF	6" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	82.91	14.75
		For Work In Restricted Working Space, Add	14.15	
23 21 13 23-0385	LF	8" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	126.17	18.33
		For Work In Restricted Working Space, Add	20.99	
23 21 13 23-0386	LF	10" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	168.03	22.91
		For Work In Restricted Working Space, Add	25.02	
23 21 13 23-0387	LF	12" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	210.53	27.68
		For Work In Restricted Working Space, Add	28.91	
23 21 13 23-0388	LF	14" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	239.23	36.11
		For Work In Restricted Working Space, Add	32.26	
23 21 13 23-0389	LF	16" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	280.13	45.83
		For Work In Restricted Working Space, Add	36.05	
23 21 13 23-0390	LF	18" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	353.55	56.74
		For Work In Restricted Working Space, Add	39.56	
23 21 13 23-0391	LF	20" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	458.45	70.11
		For Work In Restricted Working Space, Add	45.28	
23 21 13 23-0392	LF	24" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	565.03	79.46
		For Work In Restricted Working Space, Add	49.78	
23 21 13 23-0393		Welded Black Steel Pipe And Fittings (23 21 13 23-0374) Note: ASTM A-53 pipe and A-234 WPB fittings. Excludes hangers or fittings.		
23 21 13 23-0394		Welded Plain End Black Steel Piping (23 21 13 23-0393) Note: ASTM A-53		
23 21 13 23-0395	LF	3/4" Schedule 40, Welded Plain End Black Steel Pipe	9.11	3.78
		For Schedule 80 Pipe, Add	1.44	
		For Schedule A-106 Pipe, Add	0.18	
		For Work In Restricted Working Space, Add	2.27	
23 21 13 23-0396	LF	1" Schedule 40, Welded Plain End Black Steel Pipe	11.52	4.74
		For Schedule 80 Pipe, Add	1.83	
		For Schedule A-106 Pipe, Add	0.25	
		For Work In Restricted Working Space, Add	2.84	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0397	LF	1-1/4" Schedule 40, Welded Plain End Black Steel Pipe	14.37	5.68
		For Schedule 80 Pipe, Add	2.31	
		For Schedule A-106 Pipe, Add	0.36	
		For Work In Restricted Working Space, Add	3.41	
23 21 13 23-0398	LF	1-1/2" Schedule 40, Welded Plain End Black Steel Pipe	17.26	6.63
		For Schedule 80 Pipe, Add	2.79	
		For Schedule A-106 Pipe, Add	0.48	
		For Work In Restricted Working Space, Add	3.98	
23 21 13 23-0399	LF	2" Schedule 40, Welded Plain End Black Steel Pipe	20.50	7.86
		For Schedule 80 Pipe, Add	3.31	
		For Schedule A-106 Pipe, Add	0.57	
		For Work In Restricted Working Space, Add	4.71	
23 21 13 23-0400	LF	2-1/2" Schedule 40, Welded Plain End Black Steel Pipe	23.38	8.90
		For Schedule 80 Pipe, Add	5.07	
		For Schedule A-106 Pipe, Add	0.67	
		For Work In Restricted Working Space, Add	5.34	
23 21 13 23-0401	LF	3" Schedule 40, Welded Plain End Black Steel Pipe	27.99	9.56
		For Schedule 80 Pipe, Add	6.45	
		For Schedule A-106 Pipe, Add	1.06	
		For Work In Restricted Working Space, Add	5.74	
23 21 13 23-0402	LF	4" Schedule 40, Welded Plain End Black Steel Pipe	37.87	11.83
		For Schedule 80 Pipe, Add	9.11	
		For Schedule A-106 Pipe, Add	1.70	
		For Work In Restricted Working Space, Add	7.10	
23 21 13 23-0403	LF	6" Schedule 40, Welded Plain End Black Steel Pipe	53.14	19.17
		For Schedule 80 Pipe, Add	13.46	
		For Schedule A-106 Pipe, Add	2.86	
		For Work In Restricted Working Space, Add	8.80	
23 21 13 23-0404	LF	8" Schedule 40, Welded Plain End Black Steel Pipe	75.30	19.70
		For Schedule 80 Pipe, Add	19.46	
		For Schedule A-106 Pipe, Add	4.31	
		For Schedule 30 Pipe, Deduct	-11.12	
		For Work In Restricted Working Space, Add	11.82	
23 21 13 23-0405	LF	10" Schedule 40, Welded Plain End Black Steel Pipe	98.28	23.74
		For Schedule 80 Pipe, Add	26.09	
		For Schedule A-106 Pipe, Add	6.10	
		For Schedule 30 Pipe, Deduct	-14.91	
		For Work In Restricted Working Space, Add	14.24	
23 21 13 23-0406	LF	12" Schedule 40, Welded Plain End Black Steel Pipe	124.56	28.69
		For Schedule 80 Pipe, Add	33.55	
		For Schedule A-106 Pipe, Add	8.06	
		For Schedule 30 Pipe, Deduct	-19.17	
		For Work In Restricted Working Space, Add	17.21	
23 21 13 23-0407	LF	14" Schedule 40, Welded Plain End Black Steel Pipe	121.75	30.25
		For Schedule 80 Pipe, Add	32.03	
		For Schedule A-106 Pipe, Add	7.35	
		For Schedule 30 Pipe, Deduct	-18.30	
		For Schedule 20 Pipe, Deduct	-33.54	
		For Work In Restricted Working Space, Add	18.15	
23 21 13 23-0408	LF	16" Schedule 40, Welded Plain End Black Steel Pipe	133.55	32.54
		For Schedule 80 Pipe, Add	35.35	
		For Schedule A-106 Pipe, Add	8.22	
		For Schedule 30 Pipe, Deduct	-20.20	
		For Schedule 20 Pipe, Deduct	-36.98	
		For Work In Restricted Working Space, Add	19.52	
23 21 13 23-0409	LF	18" Schedule 40, Welded Plain End Black Steel Pipe	165.29	35.20
		For Schedule 80 Pipe, Add	45.53	
		For Schedule A-106 Pipe, Add	11.39	
		For Schedule 30 Pipe, Deduct	-26.02	
		For Schedule 20 Pipe, Deduct	-47.29	
		For Work In Restricted Working Space, Add	21.12	
23 21 13 23-0410	LF	20" Schedule 40, Welded Plain End Black Steel Pipe	195.74	42.16
		For Schedule 80 Pipe, Add	53.75	
		For Schedule A-106 Pipe, Add	13.37	
		For Work In Restricted Working Space, Add	25.29	
23 21 13 23-0411	LF	24" Schedule 40, Welded Plain End Black Steel Pipe	240.91	48.49
		For Schedule 80 Pipe, Add	67.35	
		For Schedule A-106 Pipe, Add	17.27	
		For Work In Restricted Working Space, Add	29.09	
23 21 13 23-0412		Welded Plain End Black Steel 90 Degree Elbows (23 21 13 23-0393)		
23 21 13 23-0413	EA	3/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	108.77	58.11
		For Schedule 80 Or Extra Heavy Fittings, Add	23.49	
		For Work In Restricted Working Space, Add	26.12	
23 21 13 23-0414	EA	1" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	113.34	61.13
		For Schedule 80 Or Extra Heavy Fittings, Add	24.38	
		For Work In Restricted Working Space, Add	27.49	
23 21 13 23-0415	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	126.16	69.65
		For Schedule 80 Or Extra Heavy Fittings, Add	26.88	
		For Work In Restricted Working Space, Add	31.34	
23 21 13 23-0416	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	134.41	75.15
		For Schedule 80 Or Extra Heavy Fittings, Add	28.49	
		For Work In Restricted Working Space, Add	33.81	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0417 EA 2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	168.32 35.10 43.99	97.79
23 21 13 23-0418 EA 2-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	212.21 44.42 54.98	122.26
23 21 13 23-0419 EA 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	226.41 47.78 57.55	127.99
23 21 13 23-0420 EA 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	388.76 81.81 99.47	221.15
23 21 13 23-0421 EA 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	687.83 148.89 164.16	364.94
23 21 13 23-0422 EA 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,005.66 223.51 223.40	496.66
23 21 13 23-0423 EA 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,330.24 309.71 255.32	567.69
23 21 13 23-0424 EA 12" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,808.37 425.59 334.06	742.75
23 21 13 23-0425 EA 14" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,256.73 538.81 394.88	877.93
23 21 13 23-0426 EA 16" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,824.29 685.90 461.09	1,025.21
23 21 13 23-0427 EA 18" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	3,370.66 831.24 514.16	1,143.18
23 21 13 23-0428 EA 20" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	4,356.90 1,105.29 576.52	1,281.75
23 21 13 23-0429 EA 24" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	5,168.29 1,341.98 595.73	1,324.55
23 21 13 23-0430 Welded Plain End Black Steel Reducing 90 Degree Elbows (23 21 13 23-0393)		
23 21 13 23-0431 EA 4" x 3" 90 Standard Weight, Welded Plain End Black Steel Reducing 90 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	567.44 135.35 99.65	221.53
23 21 13 23-0432 EA 6" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,001.16 243.55 162.29	360.78
23 21 13 23-0433 EA 6" x 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,080.07 267.22 162.29	360.78
23 21 13 23-0434 EA 8" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,715.45 436.44 223.40	496.66
23 21 13 23-0435 EA 8" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,903.58 492.88 223.40	496.66
23 21 13 23-0436 EA 10" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,402.77 631.47 255.32	567.69
23 21 13 23-0437 EA 10" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,402.77 631.47 255.32	567.69
23 21 13 23-0438 EA 12" x 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	4,015.71 1,085.57 340.42	756.86
23 21 13 23-0439 EA 12" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	4,015.71 1,085.57 340.42	756.86
23 21 13 23-0440 EA 12" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	4,527.46 1,239.09 340.42	756.86
23 21 13 23-0441 Welded Plain End Black Steel 45 Degree Elbows (23 21 13 23-0393)		
23 21 13 23-0442 EA 3/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	97.69 20.86 24.14	53.68
23 21 13 23-0443 EA 1" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	100.54 21.41 24.99	55.57
23 21 13 23-0444 EA 1-1/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	112.85 23.81 28.69	63.80

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0445 EA 1-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	120.42 25.29 30.96	68.82
23 21 13 23-0446 EA 2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	150.71 31.20 40.04	88.99
23 21 13 23-0447 EA 2-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	187.61 38.69 50.27	111.80
23 21 13 23-0448 EA 3" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	217.05 44.98 57.54	127.90
23 21 13 23-0449 EA 4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	373.22 77.16 99.44	221.05
23 21 13 23-0450 EA 6" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	649.25 137.38 163.97	364.56
23 21 13 23-0451 EA 8" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	935.23 202.38 223.40	496.66
23 21 13 23-0452 EA 10" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,200.94 270.92 255.32	567.69
23 21 13 23-0453 EA 12" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,618.79 368.93 333.44	741.37
23 21 13 23-0454 EA 14" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,004.68 463.01 395.40	879.12
23 21 13 23-0455 EA 16" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,475.34 581.38 460.62	1,024.11
23 21 13 23-0456 EA 18" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,921.60 696.73 513.56	1,141.80
23 21 13 23-0457 EA 20" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	3,699.76 908.15 576.52	1,281.75
23 21 13 23-0458 EA 24" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	4,309.49 1,084.34 595.73	1,324.55
23 21 13 23-0459 Welded Plain End Black Steel Tee (23 21 13 23-0393)		
23 21 13 23-0460 EA 3/4" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	203.49 45.14 45.44	101.01
23 21 13 23-0461 EA 1" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	203.45 45.14 45.43	101.01
23 21 13 23-0462 EA 1-1/4" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	231.16 51.66 50.54	112.37
23 21 13 23-0463 EA 1-1/2" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	252.05 55.73 56.80	126.28
23 21 13 23-0464 EA 2" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	308.24 65.93 75.83	168.61
23 21 13 23-0465 EA 2-1/2" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	352.93 76.06 85.21	189.43
23 21 13 23-0466 EA 3" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	420.87 90.08 103.38	230.05
23 21 13 23-0467 EA 4" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	604.37 128.99 149.48	332.38
23 21 13 23-0468 EA 6" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,016.35 218.47 246.96	549.08
23 21 13 23-0469 EA 8" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,492.36 328.56 340.42	756.86
23 21 13 23-0470 EA 10" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,923.49 438.04 397.16	882.97
23 21 13 23-0471 EA 12" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,614.10 605.51 510.63	1,135.29
23 21 13 23-0472 EA 14" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	3,452.06 827.11 595.73	1,324.55



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Piping and Pumps			23 20
Hydronic Piping and Pumps			23 21

23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0473	EA	16" Standard Weight, Welded Plain End Black Steel Tee..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	4,155.59 996.47 714.88	1,589.42
23 21 13 23-0474	EA	18" Standard Weight, Welded Plain End Black Steel Tee..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	5,543.28 1,384.97 794.32	1,766.03
23 21 13 23-0475	EA	20" Standard Weight, Welded Plain End Black Steel Tee..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	7,449.05 1,921.95 893.60	1,986.82
23 21 13 23-0476	EA	24" Standard Weight, Welded Plain End Black Steel Tee..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	8,660.47 2,261.32 962.35	2,139.66
23 21 13 23-0477		Welded Plain End Black Steel Reducing Tees (23 21 13 23-0393)		
23 21 13 23-0478	EA	3/4" Standard Weight, Welded Plain End Black Steel Reducing Tee..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	198.77 44.22 44.02	97.89
23 21 13 23-0479	EA	1" Standard Weight, Welded Plain End Black Steel Reducing Tee..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	203.45 45.14 45.43	101.01
23 21 13 23-0480	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Reducing Tee..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	227.83 50.66 50.54	112.37
23 21 13 23-0481	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	248.72 54.74 56.80	126.28
23 21 13 23-0482	EA	2" Standard Weight, Welded Plain End Black Steel Reducing Tee..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	315.70 68.16 75.86	168.61
23 21 13 23-0483	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	353.04 76.08 85.24	189.52
23 21 13 23-0484	EA	3" Standard Weight, Welded Plain End Black Steel Reducing Tee..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	421.22 90.18 103.38	230.05
23 21 13 23-0485	EA	4" Standard Weight, Welded Plain End Black Steel Reducing Tee..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	604.86 129.14 149.48	332.38
23 21 13 23-0486	EA	6" Standard Weight, Welded Plain End Black Steel Reducing Tee..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,017.19 218.72 246.96	549.08
23 21 13 23-0487	EA	8" Standard Weight, Welded Plain End Black Steel Reducing Tee..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,493.97 329.04 340.42	756.86
23 21 13 23-0488	EA	10" Standard Weight, Welded Plain End Black Steel Reducing Tee..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,926.23 438.86 397.16	882.97
23 21 13 23-0489	EA	12" Standard Weight, Welded Plain End Black Steel Reducing Tee..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,618.24 606.75 510.63	1,135.29
23 21 13 23-0490	EA	14" Standard Weight, Welded Plain End Black Steel Reducing Tee..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	3,458.73 829.11 595.73	1,324.55
23 21 13 23-0491	EA	16" Standard Weight, Welded Plain End Black Steel Reducing Tee..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	4,163.65 998.89 714.88	1,589.42
23 21 13 23-0492	EA	18" Standard Weight, Welded Plain End Black Steel Reducing Tee..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	5,556.47 1,388.93 794.32	1,766.03
23 21 13 23-0493	EA	20" Standard Weight, Welded Plain End Black Steel Reducing Tee..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	7,577.19 1,960.40 893.60	1,986.82
23 21 13 23-0494	EA	24" Standard Weight, Welded Plain End Black Steel Reducing Tee..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	9,232.84 2,433.03 962.35	2,139.66
23 21 13 23-0495		Welded Plain End Black Steel Eccentric Reducers (23 21 13 23-0393)		
23 21 13 23-0496	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	160.99 38.61 27.69	61.56
23 21 13 23-0497	EA	1-1/4" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	169.97 40.36 30.38	67.56
23 21 13 23-0498	EA	1-1/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	167.60 39.89 29.67	65.98
23 21 13 23-0499	EA	1-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	180.85 42.48 33.65	74.82
23 21 13 23-0500	EA	1-1/2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	174.22 41.19 31.66	70.40

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0501	EA	1-1/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer.....	171.87	68.82
		For Schedule 80 Or Extra Heavy Fittings, Add	40.73	
		For Work In Restricted Working Space, Add	30.95	
23 21 13 23-0502	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer.....	175.54	89.33
		For Schedule 80 Or Extra Heavy Fittings, Add	38.60	
		For Work In Restricted Working Space, Add	40.18	
23 21 13 23-0503	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer.....	197.07	86.49
		For Schedule 80 Or Extra Heavy Fittings, Add	45.50	
		For Work In Restricted Working Space, Add	38.90	
23 21 13 23-0504	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer.....	190.44	82.08
		For Schedule 80 Or Extra Heavy Fittings, Add	44.21	
		For Work In Restricted Working Space, Add	36.92	
23 21 13 23-0505	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer.....	218.64	113.64
		For Schedule 80 Or Extra Heavy Fittings, Add	47.70	
		For Work In Restricted Working Space, Add	51.11	
23 21 13 23-0506	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer.....	209.44	101.96
		For Schedule 80 Or Extra Heavy Fittings, Add	46.78	
		For Work In Restricted Working Space, Add	45.86	
23 21 13 23-0507	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer.....	250.95	99.12
		For Schedule 80 Or Extra Heavy Fittings, Add	59.68	
		For Work In Restricted Working Space, Add	44.58	
23 21 13 23-0508	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer.....	244.09	127.52
		For Schedule 80 Or Extra Heavy Fittings, Add	53.15	
		For Work In Restricted Working Space, Add	57.38	
23 21 13 23-0509	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer.....	247.83	127.52
		For Schedule 80 Or Extra Heavy Fittings, Add	54.27	
		For Work In Restricted Working Space, Add	57.38	
23 21 13 23-0510	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer.....	255.74	127.52
		For Schedule 80 Or Extra Heavy Fittings, Add	56.64	
		For Work In Restricted Working Space, Add	57.38	
23 21 13 23-0511	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer.....	401.23	221.53
		For Schedule 80 Or Extra Heavy Fittings, Add	85.49	
		For Work In Restricted Working Space, Add	99.65	
23 21 13 23-0512	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer.....	404.97	221.53
		For Schedule 80 Or Extra Heavy Fittings, Add	86.61	
		For Work In Restricted Working Space, Add	99.65	
23 21 13 23-0513	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer.....	416.21	221.53
		For Schedule 80 Or Extra Heavy Fittings, Add	89.99	
		For Work In Restricted Working Space, Add	99.65	
23 21 13 23-0514	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer.....	683.24	360.78
		For Schedule 80 Or Extra Heavy Fittings, Add	148.17	
		For Work In Restricted Working Space, Add	162.29	
23 21 13 23-0515	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer.....	763.95	360.78
		For Schedule 80 Or Extra Heavy Fittings, Add	172.38	
		For Work In Restricted Working Space, Add	162.29	
23 21 13 23-0516	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer.....	1,004.60	549.08
		For Schedule 80 Or Extra Heavy Fittings, Add	214.94	
		For Work In Restricted Working Space, Add	246.96	
23 21 13 23-0517	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer.....	1,154.77	549.08
		For Schedule 80 Or Extra Heavy Fittings, Add	260.00	
		For Work In Restricted Working Space, Add	246.96	
23 21 13 23-0518	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer.....	1,184.25	631.44
		For Schedule 80 Or Extra Heavy Fittings, Add	255.87	
		For Work In Restricted Working Space, Add	284.01	
23 21 13 23-0519	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer.....	1,364.80	631.44
		For Schedule 80 Or Extra Heavy Fittings, Add	310.04	
		For Work In Restricted Working Space, Add	284.01	
23 21 13 23-0520	EA	10" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer.....	1,602.36	631.44
		For Schedule 80 Or Extra Heavy Fittings, Add	381.31	
		For Concentric Reducers, Deduct	-209.81	
		For Work In Restricted Working Space, Add	284.01	
23 21 13 23-0521	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer.....	1,503.26	755.40
		For Schedule 80 Or Extra Heavy Fittings, Add	332.06	
		For Work In Restricted Working Space, Add	339.77	
23 21 13 23-0522	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer.....	1,714.18	755.40
		For Schedule 80 Or Extra Heavy Fittings, Add	395.33	
		For Work In Restricted Working Space, Add	339.77	
23 21 13 23-0523	EA	12" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer.....	2,070.74	755.40
		For Schedule 80 Or Extra Heavy Fittings, Add	502.30	
		For Concentric Reducers, Deduct	-300.21	
		For Work In Restricted Working Space, Add	339.77	
23 21 13 23-0524	EA	12" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer.....	1,497.28	755.40
		For Schedule 80 Or Extra Heavy Fittings, Add	330.26	
		For Concentric Reducers, Deduct	-116.70	
		For Work In Restricted Working Space, Add	339.77	
23 21 13 23-0525	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer.....	1,974.53	882.97
		For Schedule 80 Or Extra Heavy Fittings, Add	453.35	
		For Work In Restricted Working Space, Add	397.16	
23 21 13 23-0526	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer.....	2,085.60	882.97
		For Schedule 80 Or Extra Heavy Fittings, Add	486.68	
		For Work In Restricted Working Space, Add	397.16	
23 21 13 23-0527	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer.....	3,193.04	882.97
		For Schedule 80 Or Extra Heavy Fittings, Add	818.91	
		For Work In Restricted Working Space, Add	397.16	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0528 EA 16" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,484.48 588.96 446.80	993.41
23 21 13 23-0529 EA 16" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,811.49 687.07 446.80	993.41
23 21 13 23-0530 EA 16" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add	2,938.79 725.26 -463.82 446.80	993.41
23 21 13 23-0531 EA 16" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	4,372.86 1,155.48 446.80	993.41
23 21 13 23-0532 EA 16" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	5,086.46 1,369.56 446.80	993.41
23 21 13 23-0533 EA 18" x 16" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	3,494.77 869.71 510.63	1,135.29
23 21 13 23-0534 EA 18" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add	2,023.56 428.35 -102.86 510.63	1,135.29
23 21 13 23-0535 EA 18" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add	3,666.61 921.26 -628.64 510.63	1,135.29
23 21 13 23-0536 EA 18" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	3,919.96 997.27 510.63	1,135.29
23 21 13 23-0537 EA 18" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	6,061.88 1,639.84 510.63	1,135.29
23 21 13 23-0538 EA 20" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add	4,173.29 1,050.21 -720.50 576.52	1,281.75
23 21 13 23-0539 EA 20" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add	4,167.48 1,048.46 -718.64 576.52	1,281.75
23 21 13 23-0540 EA 20" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add	7,001.07 1,898.54 -1,625.39 576.52	1,281.75
23 21 13 23-0541 EA 20" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	8,137.65 2,239.51 576.52	1,281.75
23 21 13 23-0542 EA 20" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	9,842.58 2,750.99 576.52	1,281.75
23 21 13 23-0543 EA 24" x 20" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add	4,937.94 1,272.88 -944.69 595.73	1,324.55
23 21 13 23-0544 EA 24" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add	5,281.46 1,375.93 -1,054.62 595.73	1,324.55
23 21 13 23-0545 EA 24" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add	6,877.48 1,854.74 -1,565.34 595.73	1,324.55
23 21 13 23-0546 EA 24" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	9,847.53 2,745.75 595.74	1,324.55
23 21 13 23-0547 EA 24" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	12,074.53 3,413.85 595.74	1,324.55
23 21 13 23-0548 Welded Plain End Black Steel Concentric Reducers (23 21 13 23-0393)		
23 21 13 23-0549 EA 1" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	143.01 33.21 27.69	61.56
23 21 13 23-0550 EA 1-1/4" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	151.99 34.96 30.38	67.56
23 21 13 23-0551 EA 1-1/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	149.62 34.50 29.67	65.98
23 21 13 23-0552 EA 1-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	162.87 37.08 33.65	74.82

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0553	EA	1-1/2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	156.24 35.79 31.66	70.40
23 21 13 23-0554	EA	1-1/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	153.89 35.33 30.95	68.82
23 21 13 23-0555	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	166.38 35.85 40.18	89.33
23 21 13 23-0556	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	162.13 35.02 38.90	86.49
23 21 13 23-0557	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	167.98 37.47 36.92	82.08
23 21 13 23-0558	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	211.99 45.71 51.11	113.64
23 21 13 23-0559	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	205.70 45.66 45.86	101.96
23 21 13 23-0560	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	219.32 50.19 44.58	99.12
23 21 13 23-0561	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	224.95 47.40 57.38	127.52
23 21 13 23-0562	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	227.45 48.15 57.38	127.52
23 21 13 23-0563	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	232.86 49.78 57.38	127.52
23 21 13 23-0564	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	375.44 77.75 99.65	221.53
23 21 13 23-0565	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	385.01 80.63 99.65	221.53
23 21 13 23-0566	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	385.01 80.63 99.65	221.53
23 21 13 23-0567	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	631.67 132.70 162.29	360.78
23 21 13 23-0568	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	650.80 138.44 162.29	360.78
23 21 13 23-0569	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	942.19 196.22 246.96	549.08
23 21 13 23-0570	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	976.31 206.46 246.96	549.08
23 21 13 23-0571	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,177.59 253.87 284.01	631.44
23 21 13 23-0572	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,163.45 249.63 284.01	631.44
23 21 13 23-0573	EA	10" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,341.51 303.05 284.01	631.44
23 21 13 23-0574	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,417.97 306.47 339.77	755.40
23 21 13 23-0575	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,460.73 319.30 339.77	755.40
23 21 13 23-0576	EA	12" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,476.21 323.94 339.77	755.40
23 21 13 23-0577	EA	12" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,930.10 460.11 339.77	755.40
23 21 13 23-0578	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,753.19 386.95 397.16	882.97
23 21 13 23-0579	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,911.70 434.51 397.16	882.97
23 21 13 23-0580	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,049.41 475.82 397.16	882.97

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0581 EA 14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,581.61 635.48 397.16	882.97
23 21 13 23-0582 EA 16" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,240.69 515.83 446.80	993.41
23 21 13 23-0583 EA 16" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,240.69 515.83 446.80	993.41
23 21 13 23-0584 EA 16" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,319.74 539.54 446.80	993.41
23 21 13 23-0585 EA 16" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,582.25 618.29 446.80	993.41
23 21 13 23-0586 EA 16" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	3,669.44 944.45 446.80	993.41
23 21 13 23-0587 EA 18" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,522.93 578.16 510.63	1,135.29
23 21 13 23-0588 EA 18" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,725.54 638.94 510.63	1,135.29
23 21 13 23-0589 EA 18" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,810.41 664.40 510.63	1,135.29
23 21 13 23-0590 EA 18" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	3,041.30 733.67 510.63	1,135.29
23 21 13 23-0591 EA 18" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	5,694.67 1,529.68 510.63	1,135.29
23 21 13 23-0592 EA 20" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	3,330.40 797.34 576.52	1,281.75
23 21 13 23-0593 EA 20" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	3,330.40 797.34 576.52	1,281.75
23 21 13 23-0594 EA 20" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	3,388.23 814.69 576.52	1,281.75
23 21 13 23-0595 EA 20" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	3,730.63 917.41 576.52	1,281.75
23 21 13 23-0596 EA 20" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	4,326.38 1,096.13 576.52	1,281.75
23 21 13 23-0597 EA 24" x 20" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	3,579.20 865.25 595.74	1,324.55
23 21 13 23-0598 EA 24" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	3,615.38 876.11 595.74	1,324.55
23 21 13 23-0599 EA 24" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	3,686.11 897.33 595.74	1,324.55
23 21 13 23-0600 EA 24" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	5,323.61 1,388.58 595.74	1,324.55
23 21 13 23-0601 EA 24" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	5,646.87 1,485.55 595.74	1,324.55
23 21 13 23-0602 Welded Plain End Black Steel Caps (23 21 13 23-0393)		
23 21 13 23-0603 EA 1" Standard Weight, Welded Plain End Black Steel Cap For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	58.36 11.59 14.20	31.61
23 21 13 23-0604 EA 1-1/4" Standard Weight, Welded Plain End Black Steel Cap For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	63.78 12.63 15.62	34.74
23 21 13 23-0605 EA 1-1/2" Standard Weight, Welded Plain End Black Steel Cap For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	66.36 13.16 16.19	35.97
23 21 13 23-0606 EA 2" Standard Weight, Welded Plain End Black Steel Cap For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	81.52 15.82 20.74	46.11
23 21 13 23-0607 EA 2-1/2" Standard Weight, Welded Plain End Black Steel Cap For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	95.71 18.30 24.99	55.57
23 21 13 23-0608 EA 3" Standard Weight, Welded Plain End Black Steel Cap For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	114.03 22.20 28.83	64.09

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0609	EA	4" Standard Weight, Welded Plain End Black Steel Cap	189.92	110.76
		For Schedule 80 Fittings, Add	36.22	
		For Work In Restricted Working Space, Add	49.82	
23 21 13 23-0610	EA	6" Standard Weight, Welded Plain End Black Steel Cap	319.68	183.00
		For Schedule 80 Fittings, Add	61.60	
		For Work In Restricted Working Space, Add	82.32	
23 21 13 23-0611	EA	8" Standard Weight, Welded Plain End Black Steel Cap	529.75	308.05
		For Schedule 80 Fittings, Add	101.20	
		For Work In Restricted Working Space, Add	138.54	
23 21 13 23-0612	EA	10" Standard Weight, Welded Plain End Black Steel Cap	604.70	323.86
		For Schedule 80 Fittings, Add	120.73	
		For Work In Restricted Working Space, Add	145.64	
23 21 13 23-0613	EA	12" Standard Weight, Welded Plain End Black Steel Cap	703.24	369.63
		For Schedule 80 Fittings, Add	141.70	
		For Work In Restricted Working Space, Add	166.25	
23 21 13 23-0614	EA	14" Standard Weight, Welded Plain End Black Steel Cap	942.13	441.48
		For Schedule 80 Fittings, Add	199.90	
		For Work In Restricted Working Space, Add	198.58	
23 21 13 23-0615	EA	16" Standard Weight, Welded Plain End Black Steel Cap	1,094.17	512.69
		For Schedule 80 Fittings, Add	232.16	
		For Work In Restricted Working Space, Add	230.61	
23 21 13 23-0616	EA	18" Standard Weight, Welded Plain End Black Steel Cap	1,225.39	567.69
		For Schedule 80 Fittings, Add	261.24	
		For Work In Restricted Working Space, Add	255.32	
23 21 13 23-0617		150 LB, Welded Plain End Black Steel Neck Flanges (23 21 13 23-0393)		
		Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
23 21 13 23-0618	EA	2", 150 LB, Welded Plain End Black Steel Neck Flange	139.15	71.38
		For 300 LB Rating, Add	33.73	
		For Work In Restricted Working Space, Add	32.10	
23 21 13 23-0619	EA	2-1/2", 150 LB, Welded Plain End Black Steel Neck Flange	165.68	89.09
		For 300 LB Rating, Add	36.52	
		For Work In Restricted Working Space, Add	40.06	
23 21 13 23-0620	EA	3", 150 LB, Welded Plain End Black Steel Neck Flange	184.87	101.86
		For 300 LB Rating, Add	38.56	
		For Work In Restricted Working Space, Add	45.81	
23 21 13 23-0621	EA	4", 150 LB, Welded Plain End Black Steel Neck Flange	242.42	134.33
		For 300 LB Rating, Add	49.85	
		For Work In Restricted Working Space, Add	60.43	
23 21 13 23-0622	EA	6", 150 LB, Welded Plain End Black Steel Neck Flange	368.47	203.73
		For 300 LB Rating, Add	76.23	
		For Work In Restricted Working Space, Add	91.61	
23 21 13 23-0623	EA	8", 150 LB, Welded Plain End Black Steel Neck Flange	420.81	214.83
		For 300 LB Rating, Add	102.97	
		For Work In Restricted Working Space, Add	96.61	
23 21 13 23-0624	EA	10", 150 LB, Welded Plain End Black Steel Neck Flange	548.24	269.37
		For 300 LB Rating, Add	143.45	
		For Work In Restricted Working Space, Add	121.17	
23 21 13 23-0625	EA	12", 150 LB, Welded Plain End Black Steel Neck Flange	668.73	305.65
		For 300 LB Rating, Add	195.45	
		For Work In Restricted Working Space, Add	137.48	
23 21 13 23-0626	EA	14", 150 LB, Welded Plain End Black Steel Neck Flange	873.69	369.63
		For 300 LB Rating, Add	281.85	
		For Work In Restricted Working Space, Add	166.25	
23 21 13 23-0627	EA	16", 150 LB, Welded Plain End Black Steel Neck Flange	1,143.24	429.57
		For 300 LB Rating, Add	417.06	
		For Work In Restricted Working Space, Add	193.21	
23 21 13 23-0628	EA	18", 150 LB, Welded Plain End Black Steel Neck Flange	1,415.12	481.63
		For 300 LB Rating, Add	560.93	
		For Work In Restricted Working Space, Add	216.63	
23 21 13 23-0629	EA	20", 150 LB, Welded Plain End Black Steel Neck Flange	1,794.26	611.32
		For 300 LB Rating, Add	710.66	
		For Work In Restricted Working Space, Add	274.95	
23 21 13 23-0630	EA	24", 150 LB, Welded Plain End Black Steel Neck Flange	2,035.19	662.27
		For 300 LB Rating, Add	833.86	
		For Work In Restricted Working Space, Add	297.87	
23 21 13 23-0631		150 LB, Welded Black Steel Slip-On Flanges (23 21 13 23-0393)		
		Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
23 21 13 23-0632	EA	2", 150 LB, Welded Black Steel Slip-On Flanges	100.48	71.38
		For 300 LB Rating, Add	22.70	
		For Work In Restricted Working Space, Add	25.56	
23 21 13 23-0633	EA	2-1/2", 150 LB, Welded Black Steel Slip-On Flange	123.75	89.09
		For 300 LB Rating, Add	28.59	
		For Work In Restricted Working Space, Add	31.24	
23 21 13 23-0634	EA	3", 150 LB, Welded Black Steel Slip-On Flange	146.16	101.86
		For 300 LB Rating, Add	33.70	
		For Work In Restricted Working Space, Add	36.92	
23 21 13 23-0635	EA	4", 150 LB, Welded Black Steel Slip-On Flange	192.44	134.33
		For 300 LB Rating, Add	45.25	
		For Work In Restricted Working Space, Add	48.28	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Piping and Pumps			23 20
Hydronic Piping and Pumps			23 21

23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0636	EA	6", 150 LB, Welded Black Steel Slip-On Flange..... For 300 LB Rating, Add For Work In Restricted Working Space, Add	285.15 68.48 71.00	203.73
23 21	13 23-0637	EA	8", 150 LB, Welded Black Steel Slip-On Flange..... For 300 LB Rating, Add For Work In Restricted Working Space, Add	367.04 97.17 87.99	214.83
23 21	13 23-0638	EA	10", 150 LB, Welded Black Steel Slip-On Flange..... For 300 LB Rating, Add For Work In Restricted Working Space, Add	493.92 153.08 109.98	269.37
23 21	13 23-0639	EA	12", 150 LB, Welded Black Steel Slip-On Flange..... For 300 LB Rating, Add For Work In Restricted Working Space, Add	640.81 226.98 131.98	305.65
23 21	13 23-0640	EA	14", 150 LB, Welded Black Steel Slip-On Flange..... For 300 LB Rating, Add For Work In Restricted Working Space, Add	806.73 318.03 153.97	369.63
23 21	13 23-0641	EA	16", 150 LB, Welded Black Steel Slip-On Flange..... For 300 LB Rating, Add For Work In Restricted Working Space, Add	963.40 415.31 170.47	429.57
23 21	13 23-0642	EA	18", 150 LB, Welded Black Steel Slip-On Flange..... For 300 LB Rating, Add For Work In Restricted Working Space, Add	1,066.30 464.20 186.97	481.63
23 21	13 23-0643	EA	20", 150 LB, Welded Black Steel Slip-On Flange..... For 300 LB Rating, Add For Work In Restricted Working Space, Add	1,181.84 524.47 203.47	611.32
23 21	13 23-0644	EA	24", 150 LB, Welded Black Steel Slip-On Flange..... For 300 LB Rating, Add For Work In Restricted Working Space, Add	1,354.07 592.04 236.46	662.27
23 21 13 23-0645 150 LB, Forged Steel Blind Flanges (23 21 13 23-0393)					
23 21	13 23-0646	EA	2", 150 LB, Forged Steel Blind Flange..... For 300 LB Rating, Add For 600 LB Rating, Add For Work In Restricted Working Space, Add	68.84 19.84 51.14 15.21	25.35
23 21	13 23-0647	EA	2-1/2", 150 LB, Forged Steel Blind Flange..... For 300 LB Rating, Add For 600 LB Rating, Add For Work In Restricted Working Space, Add	90.25 29.92 79.73 18.25	30.42
23 21	13 23-0648	EA	3", 150 LB, Forged Steel Blind Flange..... For 300 LB Rating, Add For 600 LB Rating, Add For Work In Restricted Working Space, Add	111.54 32.86 85.20 24.33	40.56
23 21	13 23-0649	EA	4", 150 LB, Forged Steel Blind Flange..... For 300 LB Rating, Add For 600 LB Rating, Add For Work In Restricted Working Space, Add	143.34 44.20 115.87 30.42	50.70
23 21	13 23-0650	EA	6", 150 LB, Forged Steel Blind Flange..... For 300 LB Rating, Add For 600 LB Rating, Add For Work In Restricted Working Space, Add	195.36 64.68 172.29 39.54	65.91
23 21	13 23-0651	EA	8", 150 LB, Forged Steel Blind Flange..... For 300 LB Rating, Add For 600 LB Rating, Add For Work In Restricted Working Space, Add	252.90 96.62 264.76 45.63	76.05
23 21	13 23-0652	EA	10", 150 LB, Forged Steel Blind Flange..... For 300 LB Rating, Add For 600 LB Rating, Add For Work In Restricted Working Space, Add	379.36 176.64 499.82 54.75	91.25
23 21	13 23-0653	EA	12", 150 LB, Forged Steel Blind Flange..... For 300 LB Rating, Add For 600 LB Rating, Add For Work In Restricted Working Space, Add	491.55 245.25 700.63 63.88	106.46
23 21	13 23-0654	EA	14", 150 LB, Forged Steel Blind Flange..... For 300 LB Rating, Add For Work In Restricted Working Space, Add	817.01 484.49 73.00	121.68
23 21	13 23-0655	EA	16", 150 LB, Forged Steel Blind Flange..... For 300 LB Rating, Add For Work In Restricted Working Space, Add	878.45 512.50 82.13	136.88
23 21	13 23-0656	EA	18", 150 LB, Forged Steel Blind Flange..... For 300 LB Rating, Add For Work In Restricted Working Space, Add	991.37 560.55 100.38	167.30
23 21	13 23-0657	EA	20", 150 LB, Forged Steel Blind Flange..... For 300 LB Rating, Add For Work In Restricted Working Space, Add	1,264.25 757.71 109.51	182.51
23 21	13 23-0658	EA	24", 150 LB, Forged Steel Blind Flange..... For 300 LB Rating, Add For Work In Restricted Working Space, Add	1,713.25 1,074.63 127.76	212.93
23 21 13 23-0659 3,000 LB, Forge Steel Thread-O-Lets (23 21 13 23-0393)					
23 21	13 23-0660	EA	1/2", 3,000 LB, Forge Steel Thread-O-Let..... For Weld-O-Lets, Add For Sock-O-Lets, Add For Work In Restricted Working Space, Add	67.96 4.16 26.24 17.89	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0661	EA	3/4", 3,000 LB, Forge Steel Thread-O-Let.....	72.25	
		For Weld-O-Lets, Add	4.89	
		For Sock-O-Lets, Add	27.94	
		For Work In Restricted Working Space, Add	18.74	
23 21 13 23-0662	EA	1", 3,000 LB, Forge Steel Thread-O-Let.....	77.22	
		For Weld-O-Lets, Add	5.48	
		For Sock-O-Lets, Add	29.89	
		For Work In Restricted Working Space, Add	19.88	
23 21 13 23-0663	EA	1-1/4", 3,000 LB, Forge Steel Thread-O-Let.....	86.53	
		For Weld-O-Lets, Add	7.77	
		For Sock-O-Lets, Add	33.66	
		For Work In Restricted Working Space, Add	21.30	
23 21 13 23-0664	EA	1-1/2", 3,000 LB, Forge Steel Thread-O-Let.....	95.99	
		For Weld-O-Lets, Add	7.77	
		For Sock-O-Lets, Add	37.25	
		For Work In Restricted Working Space, Add	24.14	
23 21 13 23-0665	EA	2", 3,000 LB, Forge Steel Thread-O-Let.....	124.80	
		For Weld-O-Lets, Add	9.71	
		For Sock-O-Lets, Add	48.32	
		For Work In Restricted Working Space, Add	31.55	
23 21 13 23-0666	EA	2-1/2", 3,000 LB, Forge Steel Thread-O-Let.....	205.71	
		For Weld-O-Lets, Add	35.24	
		For Sock-O-Lets, Add	81.69	
		For Work In Restricted Working Space, Add	40.57	
23 21 13 23-0667	EA	3", 3,000 LB, Forge Steel Thread-O-Let.....	260.23	
		For Weld-O-Lets, Add	35.45	
		For Sock-O-Lets, Add	102.43	
		For Work In Restricted Working Space, Add	56.80	
23 21 13 23-0668	EA	4", 3,000 LB, Forge Steel Thread-O-Let.....	375.43	
		For Weld-O-Lets, Add	69.38	
		For Sock-O-Lets, Add	149.60	
		For Work In Restricted Working Space, Add	71.00	
23 21 13 23-0669		Class 150 Flange, Steel Bolt And Gasket Sets (23 21 13 23-0393)		
		Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21 13 23-0670	EA	3/4" To 1-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	13.65	
		Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.		
		For Zinc Plated, Add	3.82	
		For Hot Dip Galvanized, Add	5.46	
		For Advanced Fluoropolymer (Blue Coating), Add	9.56	
23 21 13 23-0671	EA	2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	17.39	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	4.87	
		For Hot Dip Galvanized, Add	6.96	
		For Advanced Fluoropolymer (Blue Coating), Add	12.17	
23 21 13 23-0672	EA	2-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	17.56	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	4.92	
		For Hot Dip Galvanized, Add	7.02	
		For Advanced Fluoropolymer (Blue Coating), Add	12.29	
23 21 13 23-0673	EA	3" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	17.63	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	4.94	
		For Hot Dip Galvanized, Add	7.05	
		For Advanced Fluoropolymer (Blue Coating), Add	12.34	
23 21 13 23-0674	EA	4" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	39.84	
		Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	11.16	
		For Hot Dip Galvanized, Add	15.94	
		For Advanced Fluoropolymer (Blue Coating), Add	27.89	
23 21 13 23-0675	EA	5" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	56.93	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	15.94	
		For Hot Dip Galvanized, Add	22.77	
		For Advanced Fluoropolymer (Blue Coating), Add	39.85	
23 21 13 23-0676	EA	6" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	61.50	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	17.22	
		For Hot Dip Galvanized, Add	24.60	
		For Advanced Fluoropolymer (Blue Coating), Add	43.05	
23 21 13 23-0677	EA	8" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	67.25	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	18.83	
		For Hot Dip Galvanized, Add	26.90	
		For Advanced Fluoropolymer (Blue Coating), Add	47.08	
23 21 13 23-0678	EA	10" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	149.27	
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	41.80	
		For Hot Dip Galvanized, Add	59.71	
		For Advanced Fluoropolymer (Blue Coating), Add	104.49	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0679	EA	12" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	151.76	
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	42.49	
		For Hot Dip Galvanized, Add	60.70	
		For Advanced Fluoropolymer (Blue Coating), Add	106.23	
23 21 13 23-0680	EA	14" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	170.16	
		Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.		
		For Zinc Plated, Add	47.64	
		For Hot Dip Galvanized, Add	68.06	
		For Advanced Fluoropolymer (Blue Coating), Add	119.11	
23 21 13 23-0681	EA	16" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	283.50	
		Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
		For Zinc Plated, Add	79.38	
		For Hot Dip Galvanized, Add	113.40	
		For Advanced Fluoropolymer (Blue Coating), Add	198.45	
23 21 13 23-0682	EA	18" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	409.53	
		Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	114.67	
		For Hot Dip Galvanized, Add	163.81	
		For Advanced Fluoropolymer (Blue Coating), Add	286.67	
23 21 13 23-0683	EA	20" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	517.32	
		Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	144.85	
		For Hot Dip Galvanized, Add	206.93	
		For Advanced Fluoropolymer (Blue Coating), Add	362.12	
23 21 13 23-0684	EA	24" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	738.02	
		Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	206.65	
		For Hot Dip Galvanized, Add	295.21	
		For Advanced Fluoropolymer (Blue Coating), Add	516.61	
23 21 13 23-0685	EA	30" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	1,165.35	
		Note: Includes rubber gasket, and twenty-eight (28) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	326.30	
		For Hot Dip Galvanized, Add	466.14	
		For Advanced Fluoropolymer (Blue Coating), Add	815.75	
23 21 13 23-0686	EA	36" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	1,659.38	
		Note: Includes rubber gasket, and thirty-two (32) 1-1/2" diameter bolts with washers and nut.		
		For Zinc Plated, Add	464.63	
		For Hot Dip Galvanized, Add	663.75	
		For Advanced Fluoropolymer (Blue Coating), Add	1,161.57	
23 21 13 23-0687		Class 300 Flange, Steel Bolt And Gasket Sets (23 21 13 23-0393)		
		Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21 13 23-0688	EA	3/4" To 1-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	21.39	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	5.99	
		For Hot Dip Galvanized, Add	8.56	
		For Advanced Fluoropolymer (Blue Coating), Add	14.97	
23 21 13 23-0689	EA	2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	40.03	
		Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	11.21	
		For Hot Dip Galvanized, Add	16.01	
		For Advanced Fluoropolymer (Blue Coating), Add	28.02	
23 21 13 23-0690	EA	2-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	62.80	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	17.58	
		For Hot Dip Galvanized, Add	25.12	
		For Advanced Fluoropolymer (Blue Coating), Add	43.96	
23 21 13 23-0691	EA	3" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	68.23	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	19.10	
		For Hot Dip Galvanized, Add	27.29	
		For Advanced Fluoropolymer (Blue Coating), Add	47.76	
23 21 13 23-0692	EA	4" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	69.60	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	19.49	
		For Hot Dip Galvanized, Add	27.84	
		For Advanced Fluoropolymer (Blue Coating), Add	48.72	
23 21 13 23-0693	EA	5" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	73.90	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	20.69	
		For Hot Dip Galvanized, Add	29.56	
		For Advanced Fluoropolymer (Blue Coating), Add	51.73	
23 21 13 23-0694	EA	6" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	107.38	
		Note: Includes rubber gasket, and twelve (12) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	30.07	
		For Hot Dip Galvanized, Add	42.95	
		For Advanced Fluoropolymer (Blue Coating), Add	75.17	
23 21 13 23-0695	EA	8" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	166.88	
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	46.73	
		For Hot Dip Galvanized, Add	66.75	
		For Advanced Fluoropolymer (Blue Coating), Add	116.82	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0696	EA		10" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	307.04	
			Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
			For Zinc Plated, Add	85.97	
			For Hot Dip Galvanized, Add	122.82	
			For Advanced Fluoropolymer (Blue Coating), Add	214.93	
23 21 13 23-0697	EA		12" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	443.88	
			Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	124.29	
			For Hot Dip Galvanized, Add	177.55	
			For Advanced Fluoropolymer (Blue Coating), Add	310.72	
23 21 13 23-0698	EA		14" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	608.03	
			Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	170.25	
			For Hot Dip Galvanized, Add	243.21	
			For Advanced Fluoropolymer (Blue Coating), Add	425.62	
23 21 13 23-0699	EA		16" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	840.47	
			Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	235.33	
			For Hot Dip Galvanized, Add	336.19	
			For Advanced Fluoropolymer (Blue Coating), Add	588.33	
23 21 13 23-0700	EA		18" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,078.77	
			Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	302.06	
			For Hot Dip Galvanized, Add	431.51	
			For Advanced Fluoropolymer (Blue Coating), Add	755.14	
23 21 13 23-0701	EA		20" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,144.33	
			Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	320.41	
			For Hot Dip Galvanized, Add	457.73	
			For Advanced Fluoropolymer (Blue Coating), Add	801.03	
23 21 13 23-0702	EA		24" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,449.50	
			Note: Includes rubber gasket, and twenty-four (24) 1-1/2" diameter bolts with washers and nut.		
			For Zinc Plated, Add	405.86	
			For Hot Dip Galvanized, Add	579.80	
			For Advanced Fluoropolymer (Blue Coating), Add	1,014.65	
23 21 13 23-0703	EA		30" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	2,273.62	
			Note: Includes rubber gasket, and twenty-eight (28) 1-3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	636.61	
			For Hot Dip Galvanized, Add	909.45	
			For Advanced Fluoropolymer (Blue Coating), Add	1,591.53	
23 21 13 23-0704	EA		36" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	3,458.15	
			Note: Includes rubber gasket, and thirty-two (32) 2" diameter bolts with washers and nut.		
			For Zinc Plated, Add	968.28	
			For Hot Dip Galvanized, Add	1,383.26	
			For Advanced Fluoropolymer (Blue Coating), Add	2,420.71	
23 21 13 23-0705			150 LB, Rubber Flange Gasket Replacement <small>(23 21 13 23-0393)</small>		
			Note: Includes unbolting, removal of old gaskets, new 150 LB rubber gasket and rebolting.		
23 21 13 23-0706	EA		1/2", 150 LB, Rubber Flange Gasket Replacement	28.34	
			For 300 LB Rating Gasket Set, Add	0.11	
			For Work In Restricted Working Space, Add	8.41	
23 21 13 23-0707	EA		3/4", 150 LB, Rubber Flange Gasket Replacement	30.32	
			For 300 LB Rating Gasket Set, Add	0.15	
			For Work In Restricted Working Space, Add	8.97	
23 21 13 23-0708	EA		1", 150 LB, Rubber Flange Gasket Replacement	33.44	
			For 300 LB Rating Gasket Set, Add	0.26	
			For Work In Restricted Working Space, Add	9.81	
23 21 13 23-0709	EA		1-1/4", 150 LB, Rubber Flange Gasket Replacement	36.35	
			For 300 LB Rating Gasket Set, Add	0.30	
			For Work In Restricted Working Space, Add	10.65	
23 21 13 23-0710	EA		1-1/2", 150 LB, Rubber Flange Gasket Replacement	40.30	
			For 300 LB Rating Gasket Set, Add	0.38	
			For Work In Restricted Working Space, Add	11.77	
23 21 13 23-0711	EA		2", 150 LB, Rubber Flange Gasket Replacement	44.48	
			For 300 LB Rating Gasket Set, Add	0.53	
			For Work In Restricted Working Space, Add	12.89	
23 21 13 23-0712	EA		2-1/2", 150 LB, Rubber Flange Gasket Replacement	52.48	
			For 300 LB Rating Gasket Set, Add	0.72	
			For Work In Restricted Working Space, Add	15.13	
23 21 13 23-0713	EA		3", 150 LB, Rubber Flange Gasket Replacement	55.61	
			For 300 LB Rating Gasket Set, Add	0.83	
			For Work In Restricted Working Space, Add	15.97	
23 21 13 23-0714	EA		4", 150 LB, Rubber Flange Gasket Replacement	73.93	
			For 300 LB Rating Gasket Set, Add	1.36	
			For Work In Restricted Working Space, Add	21.02	
23 21 13 23-0715	EA		5", 150 LB, Rubber Flange Gasket Replacement	85.57	
			For 300 LB Rating Gasket Set, Add	1.51	
			For Work In Restricted Working Space, Add	24.38	
23 21 13 23-0716	EA		6", 150 LB, Rubber Flange Gasket Replacement	98.06	
			For 300 LB Rating Gasket Set, Add	1.96	
			For Work In Restricted Working Space, Add	27.74	
23 21 13 23-0717	EA		8", 150 LB, Rubber Flange Gasket Replacement	120.27	
			For 300 LB Rating Gasket Set, Add	2.87	
			For Work In Restricted Working Space, Add	33.62	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0718 EA 10", 150 LB, Rubber Flange Gasket Replacement For 300 LB Rating Gasket Set, Add For Work In Restricted Working Space, Add	131.19 4.07 35.87	
23 21 13 23-0719 EA 12", 150 LB, Rubber Flange Gasket Replacement For 300 LB Rating Gasket Set, Add For Work In Restricted Working Space, Add	150.30 5.20 40.63	
23 21 13 23-0720 EA 14", 150 LB, Rubber Flange Gasket Replacement For 300 LB Rating Gasket Set, Add For Work In Restricted Working Space, Add	157.88 6.22 42.03	
23 21 13 23-0721 EA 16", 150 LB, Rubber Flange Gasket Replacement For 300 LB Rating Gasket Set, Add For Work In Restricted Working Space, Add	206.63 6.94 56.04	
23 21 13 23-0722 EA 18", 150 LB, Rubber Flange Gasket Replacement For 300 LB Rating Gasket Set, Add For Work In Restricted Working Space, Add	225.22 7.24 61.36	
23 21 13 23-0723 EA 20", 150 LB, Rubber Flange Gasket Replacement For 300 LB Rating Gasket Set, Add For Work In Restricted Working Space, Add	271.55 7.77 74.81	
23 21 13 23-0724 Cut And Prepare For Welding Existing In-Place Black Steel Pipe (23 21 13 23-0993) Note: For use when connecting pipe to an existing in-place system.		
23 21 13 23-0725 EA 1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe For Work In Restricted Working Space, Add	20.27 6.08	
23 21 13 23-0726 EA 3/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe For Work In Restricted Working Space, Add	21.89 6.57	
23 21 13 23-0727 EA 1", Cut And Prepare For Welding Existing In Place Black Steel Pipe For Work In Restricted Working Space, Add	24.63 7.39	
23 21 13 23-0728 EA 1-1/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe For Work In Restricted Working Space, Add	25.84 7.75	
23 21 13 23-0729 EA 1-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe For Work In Restricted Working Space, Add	27.36 8.21	
23 21 13 23-0730 EA 2", Cut And Prepare For Welding Existing In Place Black Steel Pipe For Work In Restricted Working Space, Add	29.39 8.82	
23 21 13 23-0731 EA 2-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe For Work In Restricted Working Space, Add	31.42 9.43	
23 21 13 23-0732 EA 3", Cut And Prepare For Welding Existing In Place Black Steel Pipe For Work In Restricted Working Space, Add	34.46 10.34	
23 21 13 23-0733 EA 4", Cut And Prepare For Welding Existing In Place Black Steel Pipe For Work In Restricted Working Space, Add	37.50 11.25	
23 21 13 23-0734 EA 6", Cut And Prepare For Welding Existing In Place Black Steel Pipe For Work In Restricted Working Space, Add	40.54 12.16	
23 21 13 23-0735 EA 8", Cut And Prepare For Welding Existing In Place Black Steel Pipe For Work In Restricted Working Space, Add	43.58 13.07	
23 21 13 23-0736 EA 10", Cut And Prepare For Welding Existing In Place Black Steel Pipe For Work In Restricted Working Space, Add	47.63 14.29	
23 21 13 23-0737 EA 12", Cut And Prepare For Welding Existing In Place Black Steel Pipe For Work In Restricted Working Space, Add	51.68 15.50	
23 21 13 23-0738 EA 14", Cut And Prepare For Welding Existing In Place Black Steel Pipe For Work In Restricted Working Space, Add	55.74 16.72	
23 21 13 23-0739 EA 16", Cut And Prepare For Welding Existing In Place Black Steel Pipe For Work In Restricted Working Space, Add	59.80 17.94	
23 21 13 23-0740 EA 18", Cut And Prepare For Welding Existing In Place Black Steel Pipe For Work In Restricted Working Space, Add	62.83 18.85	
23 21 13 23-0741 EA 20", Cut And Prepare For Welding Existing In Place Black Steel Pipe For Work In Restricted Working Space, Add	65.87 19.76	
23 21 13 23-0742 EA 24", Cut And Prepare For Welding Existing In Place Black Steel Pipe For Work In Restricted Working Space, Add	69.93 20.98	
23 21 13 23-0743 Welded Plain End Electric Resistance Black Steel Pipe (23 21 13 23-0393) Note: ASTM A-135.		
23 21 13 23-0744 LF 2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings For Work In Restricted Working Space, Add	20.29 5.11	10.41
23 21 13 23-0745 LF 2-1/2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings For Work In Restricted Working Space, Add	22.03 5.11	11.36
23 21 13 23-0746 LF 3" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings For Work In Restricted Working Space, Add	22.86 5.01	11.17
23 21 13 23-0747 LF 4" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings For Work In Restricted Working Space, Add	28.71 6.38	14.20
23 21 13 23-0748 LF 6" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings For Work In Restricted Working Space, Add	45.89 9.45	21.02
23 21 13 23-0749 LF 8.322" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings For Work In Restricted Working Space, Add	57.91 11.27	25.02
23 21 13 23-0750 LF 10.365" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings For Work In Restricted Working Space, Add	76.94 14.02	31.16
23 21 13 23-0751 LF 12.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings For Work In Restricted Working Space, Add	93.27 16.90	37.58
23 21 13 23-0752 LF 14.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings For Work In Restricted Working Space, Add	119.47 21.94	48.76

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 13 23-0753	150 LB, Spiral Wound Metal Flange Gasket Replacement <small>(23 21 13 23-0393)</small>	
	Note: Includes unbolting, removal of old gaskets, new 150 LB spiral wound metal flange gasket (1/8" thick carbon steel outer ring with spiral wound 304 stainless steel inner ring) and rebolting.	
23 21 13 23-0754	EA 1/2", 150 LB, Spiral Wound Metal Flange Gasket Replacement	31.69
	For 300 Lb., Add	0.28
	For Work In Restricted Working Space, Add	8.41
23 21 13 23-0755	EA 3/4", 150 LB, Spiral Wound Metal Flange Gasket Replacement	33.61
	For 300 Lb., Add	0.28
	For Work In Restricted Working Space, Add	8.97
23 21 13 23-0756	EA 1", 150 LB, Spiral Wound Metal Flange Gasket Replacement	36.45
	For 300 Lb., Add	0.28
	For Work In Restricted Working Space, Add	9.81
23 21 13 23-0757	EA 1-1/4", 150 LB, Spiral Wound Metal Flange Gasket Replacement	39.82
	For 300 Lb., Add	0.32
	For Work In Restricted Working Space, Add	10.65
23 21 13 23-0758	EA 1-1/2", 150 LB, Spiral Wound Metal Flange Gasket Replacement	43.64
	For 300 Lb., Add	0.33
	For Work In Restricted Working Space, Add	11.77
23 21 13 23-0759	EA 2", 150 LB, Spiral Wound Metal Flange Gasket Replacement	47.60
	For 300 Lb., Add	0.35
	For Work In Restricted Working Space, Add	12.89
23 21 13 23-0760	EA 2-1/2", 150 LB, Spiral Wound Metal Flange Gasket Replacement	55.46
	For 300 Lb., Add	0.38
	For Work In Restricted Working Space, Add	15.13
23 21 13 23-0761	EA 3", 150 LB, Spiral Wound Metal Flange Gasket Replacement	58.68
	For 300 Lb., Add	0.41
	For Work In Restricted Working Space, Add	15.97
23 21 13 23-0762	EA 4", 150 LB, Spiral Wound Metal Flange Gasket Replacement	77.00
	For 300 Lb., Add	0.52
	For Work In Restricted Working Space, Add	21.02
23 21 13 23-0763	EA 5", 150 LB, Spiral Wound Metal Flange Gasket Replacement	89.83
	For 300 Lb., Add	0.64
	For Work In Restricted Working Space, Add	24.37
23 21 13 23-0764	EA 6", 150 LB, Spiral Wound Metal Flange Gasket Replacement	102.00
	For 300 Lb., Add	0.71
	For Work In Restricted Working Space, Add	27.74
23 21 13 23-0765	EA 8", 150 LB, Spiral Wound Metal Flange Gasket Replacement	123.47
	For 300 Lb., Add	0.85
	For Work In Restricted Working Space, Add	33.63
23 21 13 23-0766	EA 10", 150 LB, Spiral Wound Metal Flange Gasket Replacement	135.24
	For 300 Lb., Add	1.18
	For Work In Restricted Working Space, Add	35.87
23 21 13 23-0767	EA 12", 150 LB, Spiral Wound Metal Flange Gasket Replacement	159.07
	For 300 Lb., Add	1.77
	For Work In Restricted Working Space, Add	40.63
23 21 13 23-0768	150 LB, Flexible Graphite Flange Gasket Replacement <small>(23 21 13 23-0393)</small>	
	Note: Includes unbolting, removal of old gaskets, new 150 LB spiral wound metal flange gasket (flexible graphite outer ring with 316 stainless steel inner ring) and rebolting.	
23 21 13 23-0769	EA 1/2", 150 LB, Flexible Graphite Flange Gasket Replacement	28.76
	For Work In Restricted Working Space, Add	8.41
23 21 13 23-0770	EA 3/4", 150 LB, Flexible Graphite Flange Gasket Replacement	31.11
	For Work In Restricted Working Space, Add	8.97
23 21 13 23-0771	EA 1", 150 LB, Flexible Graphite Flange Gasket Replacement	34.09
	For Work In Restricted Working Space, Add	9.81
23 21 13 23-0772	EA 1-1/4", 150 LB, Flexible Graphite Flange Gasket Replacement	37.48
	For Work In Restricted Working Space, Add	10.65
23 21 13 23-0773	EA 1-1/2", 150 LB, Flexible Graphite Flange Gasket Replacement	41.34
	For Work In Restricted Working Space, Add	11.77
23 21 13 23-0774	EA 2", 150 LB, Flexible Graphite Flange Gasket Replacement	45.75
	For Work In Restricted Working Space, Add	12.89
23 21 13 23-0775	EA 2-1/2", 150 LB, Flexible Graphite Flange Gasket Replacement	54.19
	For Work In Restricted Working Space, Add	15.13
23 21 13 23-0776	EA 3", 150 LB, Flexible Graphite Flange Gasket Replacement	57.20
	For Work In Restricted Working Space, Add	15.97
23 21 13 23-0777	EA 4", 150 LB, Flexible Graphite Flange Gasket Replacement	76.47
	For Work In Restricted Working Space, Add	21.02
23 21 13 23-0778	EA 5", 150 LB, Flexible Graphite Flange Gasket Replacement	88.89
	For Work In Restricted Working Space, Add	24.37
23 21 13 23-0779	EA 6", 150 LB, Flexible Graphite Flange Gasket Replacement	100.99
	For Work In Restricted Working Space, Add	27.74
23 21 13 23-0780	EA 8", 150 LB, Flexible Graphite Flange Gasket Replacement	126.42
	For Work In Restricted Working Space, Add	33.63
23 21 13 23-0781	EA 10", 150 LB, Flexible Graphite Flange Gasket Replacement	140.34
	For Work In Restricted Working Space, Add	35.87
23 21 13 23-0782	EA 12", 150 LB, Flexible Graphite Flange Gasket Replacement	161.16
	For Work In Restricted Working Space, Add	40.63
23 21 13 23-0783	150 LB, Teflon, Spiral Wound, Flange Gasket Replacement <small>(23 21 13 23-0393)</small>	
	Note: Includes unbolting, removal of old gaskets, new 150 LB spiral wound metal flange gasket (teflon outer ring with 304 stainless steel inner ring) and rebolting.	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0784	EA	1/2", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement..... <i>For Work In Restricted Working Space, Add</i>	40.96 8.41	
23 21 13 23-0785	EA	3/4", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement..... <i>For Work In Restricted Working Space, Add</i>	43.71 8.97	
23 21 13 23-0786	EA	1", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement..... <i>For Work In Restricted Working Space, Add</i>	47.41 9.81	
23 21 13 23-0787	EA	1-1/4", Teflon, Spiral Wound, Flange Gasket Replacement..... <i>For Work In Restricted Working Space, Add</i>	53.31 10.65	
23 21 13 23-0788	EA	1-1/2", Teflon, Spiral Wound, Flange Gasket Replacement..... <i>For Work In Restricted Working Space, Add</i>	57.64 11.77	
23 21 13 23-0789	EA	2", Teflon, Spiral Wound, Flange Gasket Replacement..... <i>For Work In Restricted Working Space, Add</i>	62.92 12.89	
23 21 13 23-0790	EA	2-1/2", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement..... <i>For Work In Restricted Working Space, Add</i>	73.24 15.13	
23 21 13 23-0791	EA	3", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement..... <i>For Work In Restricted Working Space, Add</i>	82.18 15.97	
23 21 13 23-0792	EA	4", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement..... <i>For Work In Restricted Working Space, Add</i>	104.51 21.02	
23 21 13 23-0793	EA	5", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement..... <i>For Work In Restricted Working Space, Add</i>	124.17 24.37	
23 21 13 23-0794	EA	6", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement..... <i>For Work In Restricted Working Space, Add</i>	159.00 27.74	
23 21 13 23-0795	EA	8", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement..... <i>For Work In Restricted Working Space, Add</i>	177.80 33.63	
23 21 13 23-0796	EA	10", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement..... <i>For Work In Restricted Working Space, Add</i>	200.37 35.87	
23 21 13 23-0797	EA	12", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement..... <i>For Work In Restricted Working Space, Add</i>	257.51 40.63	
23 21 13 23-0798		Flanged Steel Fittings (23 21 13 23) See CSI section 23 21 13 23-0394 for steel pipe, 23 21 13 23-0617 for welded neck flange ends.		
23 21 13 23-0799		Flanged Steel Fittings, Standard Weight (23 21 13 23-0798) Note: Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
23 21 13 23-0800		Flanged Steel, 90 Degree Elbows (23 21 13 23-0799)		
23 21 13 23-0801	EA	2" Standard Weight, Flanged Steel, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	414.29 279.16 418.74	43.58
23 21 13 23-0802	EA	2-1/2" Standard Weight, Flanged Steel, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	462.09 311.42 467.14	48.54
23 21 13 23-0803	EA	3" Standard Weight, Flanged Steel, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	459.03 303.01 454.51	53.58
23 21 13 23-0804	EA	4" Standard Weight, Flanged Steel, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	582.57 391.38 587.08	62.26
23 21 13 23-0805	EA	5" Standard Weight, Flanged Steel, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	814.72 568.14 852.22	69.72
23 21 13 23-0806	EA	6" Standard Weight, Flanged Steel, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	861.32 591.99 887.99	80.93
23 21 13 23-0807	EA	8" Standard Weight, Flanged Steel, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,093.05 766.91 1,150.37	89.61
23 21 13 23-0808		Flanged Steel, Reducing 90 Degree Elbows (23 21 13 23-0799)		
23 21 13 23-0809	EA	2-1/2" x 2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	773.99 563.94 845.90	46.11
23 21 13 23-0810	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	806.01 583.58 875.36	51.06
23 21 13 23-0811	EA	4" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,003.90 733.67 1,100.51	57.87
23 21 13 23-0812	EA	5" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,242.71 920.25 1,380.37	61.61
23 21 13 23-0813	EA	6" x 4" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,415.47 1,046.50 1,569.76	71.59
23 21 13 23-0814	EA	8" x 6" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,974.34 1,477.17 2,215.75	85.31
23 21 13 23-0815		Flanged Steel, 45 Degree Elbows (23 21 13 23-0799)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0816	EA	2" Standard Weight, Flanged Steel, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	540.54 380.16 570.24	43.58
23 21 13 23-0817	EA	2-1/2" Standard Weight, Flanged Steel, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	563.80 392.79 589.19	48.54
23 21 13 23-0818	EA	3" Standard Weight, Flanged Steel, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	585.28 404.01 606.01	53.58
23 21 13 23-0819	EA	4" Standard Weight, Flanged Steel, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	729.87 509.22 763.84	62.26
23 21 13 23-0820	EA	5" Standard Weight, Flanged Steel, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,053.20 758.93 1,138.39	69.72
23 21 13 23-0821	EA	6" Standard Weight, Flanged Steel, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,026.15 723.86 1,085.78	80.93
23 21 13 23-0822	EA	8" Standard Weight, Flanged Steel, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,210.43 860.82 1,291.22	89.61
23 21 13 23-0823		Flanged Steel, Tees (23 21 13 23-0799)		
23 21 13 23-0824	EA	2" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	531.12 346.50 519.74	65.34
23 21 13 23-0825	EA	2-1/2" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	686.11 461.53 692.29	72.81
23 21 13 23-0826	EA	3" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	625.44 404.02 606.04	80.27
23 21 13 23-0827	EA	4" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	894.01 603.20 904.80	93.43
23 21 13 23-0828	EA	5" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,328.81 937.60 1,406.40	104.63
23 21 13 23-0829	EA	6" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,621.87 1,151.90 1,727.84	121.44
23 21 13 23-0830	EA	8" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,795.63 1,267.75 1,901.63	140.67
23 21 13 23-0831		Flanged Steel, Reducing Tees (23 21 13 23-0799)		
23 21 13 23-0832	EA	2-1/2" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	840.20 587.78 881.68	70.38
23 21 13 23-0833	EA	3" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	970.65 683.18 1,024.76	77.84
23 21 13 23-0834	EA	4" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,671.21 1,230.18 1,845.28	89.04
23 21 13 23-0835	EA	5" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,806.33 1,324.10 1,986.14	100.90
23 21 13 23-0836	EA	6" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,270.87 1,677.81 2,516.71	115.84
23 21 13 23-0837	EA	8" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,835.87 2,112.64 3,168.96	130.12
23 21 13 23-0838		Flanged Steel, Concentric Reducers (23 21 13 23-0799)		
23 21 13 23-0839	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	795.49 575.16 862.74	51.06
23 21 13 23-0840	EA	4" x 3" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	903.95 653.71 980.57	57.87
23 21 13 23-0841	EA	5" x 4" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,342.19 994.60 1,491.90	65.99
23 21 13 23-0842	EA	6" x 4" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,480.35 1,098.41 1,647.61	71.59
23 21 13 23-0843	EA	8" x 6" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,734.11 1,284.98 1,927.48	85.31

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0844		Flanged Steel, Eccentric Reducers (23 21 13 23-0799)		
23 21 13 23-0845	EA	4" x 3" Standard Weight, Flanged Steel, Eccentric Reducer.....	859.76	57.87
		For Galvanized Fittings, Add	618.36	
		For Extra Heavy Weight Fittings, Add	927.54	
23 21 13 23-0846	EA	5" x 4" Standard Weight, Flanged Steel, Eccentric Reducer.....	1,169.29	65.99
		For Galvanized Fittings, Add	856.28	
		For Extra Heavy Weight Fittings, Add	1,284.42	
23 21 13 23-0847		Plain End Couplings And Fittings (23 21 13 23)		
		Note: For use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel.		
23 21 13 23-0848		Plain End Piping System Couplings (23 21 13 23-0847)		
23 21 13 23-0849		Plainlock Plain End Piping System Couplings (23 21 13 23-0848)		
		Note: Ductile iron body with gasket, bolts and nuts.		
23 21 13 23-0850	EA	1" Plainlock Plain End Piping System Coupling.....	177.03	5.60
		For Galvanized Fittings, Add	33.72	
23 21 13 23-0851	EA	1-1/2" Plainlock Plain End Piping System Coupling.....	180.29	7.74
		For Galvanized Fittings, Add	33.72	
23 21 13 23-0852	EA	2" Plainlock Plain End Piping System Coupling.....	184.07	10.27
		For Galvanized Fittings, Add	33.72	
23 21 13 23-0853	EA	2-1/2" Plainlock Plain End Piping System Coupling.....	187.30	12.41
		For Galvanized Fittings, Add	33.72	
23 21 13 23-0854	EA	3" Plainlock Plain End Piping System Coupling.....	221.41	14.93
		For Galvanized Fittings, Add	39.80	
23 21 13 23-0855	EA	4" Plainlock Plain End Piping System Coupling.....	305.60	19.89
		For Galvanized Fittings, Add	55.15	
23 21 13 23-0856	EA	6" Plainlock Plain End Piping System Coupling.....	514.13	32.39
		For Galvanized Fittings, Add	93.12	
23 21 13 23-0857		Roust-A-Bout Plain End Piping System Couplings (23 21 13 23-0848)		
		Note: Ductile iron body with gasket, bolts and nuts.		
23 21 13 23-0858	EA	1-1/2" Roust-A-Bout Plain End Piping System Coupling.....	213.04	7.74
		For Galvanized Fittings, Add	50.34	
23 21 13 23-0859	EA	2" Roust-A-Bout Plain End Piping System Coupling.....	216.82	10.27
		For Galvanized Fittings, Add	50.34	
23 21 13 23-0860	EA	2-1/2" Roust-A-Bout Plain End Piping System Coupling.....	220.06	12.50
		For Galvanized Fittings, Add	50.34	
23 21 13 23-0861	EA	3" Roust-A-Bout Plain End Piping System Coupling.....	320.69	14.93
		For Galvanized Fittings, Add	74.58	
23 21 13 23-0862	EA	3-1/2" Roust-A-Bout Plain End Piping System Coupling.....	371.37	17.46
		For Galvanized Fittings, Add	86.30	
23 21 13 23-0863	EA	4" Roust-A-Bout Plain End Piping System Coupling.....	375.06	19.89
		For Galvanized Fittings, Add	86.30	
23 21 13 23-0864	EA	5" Roust-A-Bout Plain End Piping System Coupling.....	530.54	24.92
		For Galvanized Fittings, Add	123.30	
23 21 13 23-0865	EA	6" Roust-A-Bout Plain End Piping System Coupling.....	650.90	32.39
		For Galvanized Fittings, Add	150.59	
23 21 13 23-0866	EA	8" Roust-A-Bout Plain End Piping System Coupling.....	1,126.00	38.64
		For Galvanized Fittings, Add	267.02	
23 21 13 23-0867	EA	10" Roust-A-Bout Plain End Piping System Coupling.....	1,458.18	45.73
		For Galvanized Fittings, Add	347.39	
23 21 13 23-0868	EA	12" Roust-A-Bout Plain End Piping System Coupling.....	1,824.82	54.13
		For Galvanized Fittings, Add	435.90	
23 21 13 23-0869	EA	14" Roust-A-Bout Plain End Piping System Coupling.....	2,565.68	59.83
		For Galvanized Fittings, Add	618.98	
23 21 13 23-0870	EA	16" Roust-A-Bout Plain End Piping System Coupling.....	3,492.05	67.67
		For Galvanized Fittings, Add	847.65	
23 21 13 23-0871		Plain End Piping System Fittings (23 21 13 23-0847)		
		Note: Cast ductile iron bodies.		
23 21 13 23-0872		Plain End Piping System, 90 Degree Elbows (23 21 13 23-0871)		
23 21 13 23-0873	EA	1" Plain End Piping System, 90 Degree Elbow.....	174.43	10.18
		For Galvanized Fittings, Add	31.84	
23 21 13 23-0874	EA	1-1/2" Plain End Piping System, 90 Degree Elbow.....	182.28	15.40
		For Galvanized Fittings, Add	31.84	
23 21 13 23-0875	EA	2" Plain End Piping System, 90 Degree Elbow.....	189.69	20.35
		For Galvanized Fittings, Add	31.84	
23 21 13 23-0876	EA	2-1/2" Plain End Piping System, 90 Degree Elbow.....	196.34	24.83
		For Galvanized Fittings, Add	31.84	
23 21 13 23-0877	EA	3" Plain End Piping System, 90 Degree Elbow.....	236.24	30.05
		For Galvanized Fittings, Add	38.24	
23 21 13 23-0878	EA	4" Plain End Piping System, 90 Degree Elbow.....	338.20	39.57
		For Galvanized Fittings, Add	55.76	
23 21 13 23-0879	EA	5" Plain End Piping System, 90 Degree Elbow.....	1,039.43	49.56
		For Galvanized Fittings, Add	193.02	
23 21 13 23-0880	EA	6" Plain End Piping System, 90 Degree Elbow.....	864.66	64.87
		For Galvanized Fittings, Add	153.49	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0881	EA	8" Plain End Piping System, 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,736.39 324.17	77.00
23 21 13 23-0882	EA	10" Plain End Piping System, 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,172.08 407.44	89.98
23 21 13 23-0883	EA	12" Plain End Piping System, 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,755.85 518.76	108.08
23 21 13 23-0884 Plain End Piping System, 45 Degree Elbows (23 21 13 23-0871)				
23 21 13 23-0885	EA	1" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	174.43 31.84	10.18
23 21 13 23-0886	EA	1-1/2" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	182.28 31.84	15.40
23 21 13 23-0887	EA	2" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	189.69 31.84	20.35
23 21 13 23-0888	EA	2-1/2" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	196.94 31.84	24.83
23 21 13 23-0889	EA	3" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	236.24 38.24	30.05
23 21 13 23-0890	EA	4" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	338.20 55.76	39.57
23 21 13 23-0891	EA	5" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,039.43 193.02	49.56
23 21 13 23-0892	EA	6" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	867.61 154.08	64.87
23 21 13 23-0893	EA	8" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,006.13 178.12	77.00
23 21 13 23-0894	EA	10" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,377.80 248.58	89.98
23 21 13 23-0895	EA	12" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,767.72 321.13	108.08
23 21 13 23-0896 Plain End Piping System, Tees (23 21 13 23-0871)				
23 21 13 23-0897	EA	1" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	237.46 42.87	15.40
23 21 13 23-0898	EA	1-1/2" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	249.03 42.87	23.14
23 21 13 23-0899	EA	2" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	259.24 42.87	29.96
23 21 13 23-0900	EA	2-1/2" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	269.39 42.87	36.69
23 21 13 23-0901	EA	3" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	376.12 61.70	45.09
23 21 13 23-0902	EA	4" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	516.41 85.80	58.34
23 21 13 23-0903	EA	5" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	1,056.79 188.48	76.26
23 21 13 23-0904	EA	6" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	1,306.26 232.62	95.49
23 21 13 23-0905	EA	8" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	1,785.71 322.31	116.11
23 21 13 23-0906	EA	10" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	2,663.94 492.21	135.34
23 21 13 23-0907	EA	12" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	3,572.29 665.84	162.13
23 21 13 23-0908 Plain End Piping System, Reducing Tees (23 21 13 23-0871)				
23 21 13 23-0909	EA	1-1/2" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	460.89 84.74	24.83
23 21 13 23-0910	EA	2" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	468.57 84.74	29.96
23 21 13 23-0911	EA	2-1/2" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	478.72 84.74	36.69
23 21 13 23-0912	EA	3" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	491.33 84.74	45.09
23 21 13 23-0913	EA	4" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	712.91 125.10	58.34
23 21 13 23-0914	EA	6" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	1,205.35 212.44	95.49
23 21 13 23-0915	EA	8" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	1,572.98 279.77	116.11
23 21 13 23-0916	EA	10" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	2,359.45 431.31	135.34
23 21 13 23-0917	EA	12" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	3,485.16 648.42	162.13
23 21 13 23-0918 Plain End Piping System, Wyes (23 21 13 23-0871)				
23 21 13 23-0919	EA	2" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	672.75 125.57	29.96



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Piping and Pumps			23 20	
Hydronic Piping and Pumps			23 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0920	EA		2-1/2" Plain End Piping System, Wye	682.90	36.69
			For Galvanized Fittings, Add	125.57	
23 21 13 23-0921	EA		3" Plain End Piping System, Wye	773.40	45.09
			For Galvanized Fittings, Add	141.15	
23 21 13 23-0922	EA		4" Plain End Piping System, Wye	1,134.98	58.34
			For Galvanized Fittings, Add	209.52	
23 21 13 23-0923	EA		5" Plain End Piping System, Wye	1,389.16	76.26
			For Galvanized Fittings, Add	254.95	
23 21 13 23-0924	EA		6" Plain End Piping System, Wye	1,898.57	95.49
			For Galvanized Fittings, Add	351.08	
23 21 13 23-0925	EA		8" Plain End Piping System, Wye	2,447.52	116.11
			For Galvanized Fittings, Add	454.68	
23 21 13 23-0926	EA		10" Plain End Piping System, Wye	3,555.29	135.34
			For Galvanized Fittings, Add	670.48	
23 21 13 23-0927	EA		12" Plain End Piping System, Wye	5,411.05	162.13
			For Galvanized Fittings, Add	1,033.60	
23 21 13 23-0928 Plain End Piping System, Laterals (23 21 13 23-0871)					
23 21 13 23-0929	EA		2" Plain End Piping System, Lateral.....	717.16	29.96
			For Galvanized Fittings, Add	134.46	
23 21 13 23-0930	EA		2-1/2" Plain End Piping System, Lateral	727.31	36.69
			For Galvanized Fittings, Add	134.46	
23 21 13 23-0931	EA		3" Plain End Piping System, Lateral.....	817.51	45.09
			For Galvanized Fittings, Add	149.97	
23 21 13 23-0932	EA		4" Plain End Piping System, Lateral.....	1,219.22	58.34
			For Galvanized Fittings, Add	226.36	
23 21 13 23-0933	EA		5" Plain End Piping System, Lateral.....	1,589.80	76.26
			For Galvanized Fittings, Add	295.08	
23 21 13 23-0934	EA		6" Plain End Piping System, Lateral.....	2,027.66	95.49
			For Galvanized Fittings, Add	376.90	
23 21 13 23-0935	EA		8" Plain End Piping System, Lateral.....	2,921.66	116.11
			For Galvanized Fittings, Add	549.50	
23 21 13 23-0936	EA		10" Plain End Piping System, Lateral.....	4,081.37	135.34
			For Galvanized Fittings, Add	775.69	
23 21 13 23-0937	EA		12" Plain End Piping System, Lateral.....	5,489.24	162.13
			For Galvanized Fittings, Add	1,049.23	
23 21 13 23-0938 Plain End Piping System, Crosses (23 21 13 23-0871)					
23 21 13 23-0939	EA		2" Plain End Piping System, Cross	797.20	44.90
			For Galvanized Fittings, Add	91.25	
23 21 13 23-0940	EA		2-1/2" Plain End Piping System, Cross	812.42	54.98
			For Galvanized Fittings, Add	91.25	
23 21 13 23-0941	EA		3" Plain End Piping System, Cross	948.11	67.67
			For Galvanized Fittings, Add	105.83	
23 21 13 23-0942	EA		4" Plain End Piping System, Cross	1,294.20	87.46
			For Galvanized Fittings, Add	145.39	
23 21 13 23-0943	EA		5" Plain End Piping System, Cross	1,823.57	114.44
			For Galvanized Fittings, Add	206.50	
23 21 13 23-0944	EA		6" Plain End Piping System, Cross	2,395.40	142.80
			For Galvanized Fittings, Add	272.67	
23 21 13 23-0945	EA		8" Plain End Piping System, Cross	3,057.70	172.96
			For Galvanized Fittings, Add	349.80	
23 21 13 23-0946	EA		10" Plain End Piping System, Cross	4,386.12	202.17
			For Galvanized Fittings, Add	510.39	
23 21 13 23-0947	EA		12" Plain End Piping System, Cross	6,252.08	243.24
			For Galvanized Fittings, Add	735.93	
23 21 13 23-0948 Plain End Piping System, Adapter Nipples (23 21 13 23-0871)					
Note: Plain to threaded, plain to beveled or plain to grooved.					
23 21 13 23-0949	EA		1" Plain End Piping System, Adapter Nipple.....	25.26	5.60
			For Galvanized Fittings, Add	4.22	
23 21 13 23-0950	EA		1-1/2" Plain End Piping System, Adapter Nipple.....	29.00	7.74
			For Galvanized Fittings, Add	4.33	
23 21 13 23-0951	EA		2" Plain End Piping System, Adapter Nipple.....	32.68	10.27
			For Galvanized Fittings, Add	4.33	
23 21 13 23-0952	EA		2-1/2" Plain End Piping System, Adapter Nipple.....	38.97	12.41
			For Galvanized Fittings, Add	5.08	
23 21 13 23-0953	EA		3" Plain End Piping System, Adapter Nipple.....	47.49	14.93
			For Galvanized Fittings, Add	6.27	
23 21 13 23-0954	EA		4" Plain End Piping System, Adapter Nipple.....	71.82	19.89
			For Galvanized Fittings, Add	10.49	
23 21 13 23-0955	EA		6" Plain End Piping System, Adapter Nipple.....	150.79	24.92
			For Galvanized Fittings, Add	28.37	
23 21 13 23-0956 Plain End Piping System, Reducing (Swaged) Nipples (23 21 13 23-0871)					
23 21 13 23-0957	EA		1-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple.....	76.75	13.35
			For Galvanized Fittings, Add	14.17	
23 21 13 23-0958	EA		2" x 1" Plain End Piping System, Reducing (Swaged) Nipple.....	80.49	15.87
			For Galvanized Fittings, Add	14.17	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0959 EA 2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	84.26	18.38
For Galvanized Fittings, Add	14.17	
23 21 13 23-0960 EA 2-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple.....	83.35	17.83
For Galvanized Fittings, Add	14.17	
23 21 13 23-0961 EA 2-1/2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	87.02	20.26
For Galvanized Fittings, Add	14.17	
23 21 13 23-0962 EA 2-1/2" x 2" Plain End Piping System, Reducing (Swaged) Nipple.....	90.74	22.68
For Galvanized Fittings, Add	14.17	
23 21 13 23-0963 EA 3" x 1" Plain End Piping System, Reducing (Swaged) Nipple.....	99.78	20.53
For Galvanized Fittings, Add	17.26	
23 21 13 23-0964 EA 3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	103.09	22.68
For Galvanized Fittings, Add	17.26	
23 21 13 23-0965 EA 3" x 2" Plain End Piping System, Reducing (Swaged) Nipple.....	90.91	25.20
For Galvanized Fittings, Add	13.27	
23 21 13 23-0966 EA 3" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	98.14	30.05
For Galvanized Fittings, Add	13.27	
23 21 13 23-0967 EA 3-1/2" x 3" Plain End Piping System, Reducing (Swaged) Nipple.....	112.01	32.39
For Galvanized Fittings, Add	15.87	
23 21 13 23-0968 EA 4" x 1" Plain End Piping System, Reducing (Swaged) Nipple.....	135.32	25.48
For Galvanized Fittings, Add	24.27	
23 21 13 23-0969 EA 4" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	138.59	27.72
For Galvanized Fittings, Add	24.27	
23 21 13 23-0970 EA 4" x 2" Plain End Piping System, Reducing (Swaged) Nipple.....	118.82	30.24
For Galvanized Fittings, Add	18.38	
23 21 13 23-0971 EA 4" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	122.03	32.39
For Galvanized Fittings, Add	18.38	
23 21 13 23-0972 EA 4" x 3" Plain End Piping System, Reducing (Swaged) Nipple.....	125.83	34.91
For Galvanized Fittings, Add	18.38	
23 21 13 23-0973 EA 4" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	129.47	37.33
For Galvanized Fittings, Add	18.38	
23 21 13 23-0974 EA 5" x 2" Plain End Piping System, Reducing (Swaged) Nipple.....	323.10	35.18
For Galvanized Fittings, Add	67.58	
23 21 13 23-0975 EA 5" x 3" Plain End Piping System, Reducing (Swaged) Nipple.....	268.32	39.76
For Galvanized Fittings, Add	52.16	
23 21 13 23-0976 EA 5" x 4" Plain End Piping System, Reducing (Swaged) Nipple.....	238.93	44.90
For Galvanized Fittings, Add	42.92	
23 21 13 23-0977 EA 6" x 1" Plain End Piping System, Reducing (Swaged) Nipple.....	571.98	37.99
For Galvanized Fittings, Add	128.77	
23 21 13 23-0978 EA 6" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	575.20	40.14
For Galvanized Fittings, Add	128.77	
23 21 13 23-0979 EA 6" x 2" Plain End Piping System, Reducing (Swaged) Nipple.....	444.89	42.66
For Galvanized Fittings, Add	95.24	
23 21 13 23-0980 EA 6" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	448.20	44.90
For Galvanized Fittings, Add	95.24	
23 21 13 23-0981 EA 6" x 3" Plain End Piping System, Reducing (Swaged) Nipple.....	317.81	47.33
For Galvanized Fittings, Add	61.72	
23 21 13 23-0982 EA 6" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	321.20	49.56
For Galvanized Fittings, Add	61.72	
23 21 13 23-0983 EA 6" x 4" Plain End Piping System, Reducing (Swaged) Nipple.....	265.54	52.27
For Galvanized Fittings, Add	46.81	
23 21 13 23-0984 EA 6" x 5" Plain End Piping System, Reducing (Swaged) Nipple.....	300.47	57.22
For Galvanized Fittings, Add	53.67	
23 21 13 23-0985 EA 8" x 3" Plain End Piping System, Reducing (Swaged) Nipple.....	377.94	53.49
For Galvanized Fittings, Add	74.44	
23 21 13 23-0986 EA 8" x 4" Plain End Piping System, Reducing (Swaged) Nipple.....	385.47	58.52
For Galvanized Fittings, Add	74.44	
23 21 13 23-0987 EA 8" x 5" Plain End Piping System, Reducing (Swaged) Nipple.....	433.98	63.56
For Galvanized Fittings, Add	84.68	
23 21 13 23-0988 EA 8" x 6" Plain End Piping System, Reducing (Swaged) Nipple.....	486.24	71.03
For Galvanized Fittings, Add	94.92	
23 21 13 23-0989 Plain End Piping System, Bull Plugs (23 21 13 23-0871)		
23 21 13 23-0990 EA 1" Plain End Piping System, Bull Plug.....	354.50	5.60
For Galvanized Fittings, Add	103.83	
23 21 13 23-0991 EA 1-1/2" Plain End Piping System, Bull Plug.....	357.77	7.74
For Galvanized Fittings, Add	103.83	
23 21 13 23-0992 EA 2" Plain End Piping System, Bull Plug.....	361.45	10.27
For Galvanized Fittings, Add	103.83	
23 21 13 23-0993 EA 2-1/2" Plain End Piping System, Bull Plug.....	364.77	12.41
For Galvanized Fittings, Add	103.83	
23 21 13 23-0994 EA 3" Plain End Piping System, Bull Plug.....	529.74	14.93
For Galvanized Fittings, Add	152.20	
23 21 13 23-0995 EA 4" Plain End Piping System, Bull Plug.....	685.17	19.89
For Galvanized Fittings, Add	196.59	
23 21 13 23-0996 EA 5" Plain End Piping System, Bull Plug.....	1,195.41	24.92
For Galvanized Fittings, Add	347.42	
23 21 13 23-0997 EA 6" Plain End Piping System, Bull Plug.....	1,593.13	32.39
For Galvanized Fittings, Add	463.38	
23 21 13 23-0998 EA 8" Plain End Piping System, Bull Plug.....	2,961.76	38.55
For Galvanized Fittings, Add	871.17	
23 21 13 23-0999 EA 10" Plain End Piping System, Bull Plug.....	5,339.19	45.09
For Galvanized Fittings, Add	1,581.47	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

23

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1000	EA	12" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	8,187.89 2,432.01	54.13
23 21 13 23-1001	Carbon Steel Piping Systems (23 21 13 23)			
23 21 13 23-1002	Class 3,000 LB Carbon Steel Socket Weld Fittings (23 21 13 23-1001) Note: ASTM A105			
23 21 13 23-1003	90 Degree Elbows, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1002)			
23 21 13 23-1004	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	34.78	18.48
23 21 13 23-1005	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	39.10	20.63
23 21 13 23-1006	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	49.59	23.05
23 21 13 23-1007	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	67.14	26.14
23 21 13 23-1008	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	76.71	29.41
23 21 13 23-1009	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	103.91	37.43
23 21 13 23-1010	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	204.38	55.35
23 21 13 23-1011	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	290.40	72.81
23 21 13 23-1012	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	501.81	78.04
23 21 13 23-1013	45 Degree Elbows, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1002)			
23 21 13 23-1014	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	37.92	18.48
23 21 13 23-1015	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	43.86	20.63
23 21 13 23-1016	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	51.05	23.05
23 21 13 23-1017	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	68.99	26.14
23 21 13 23-1018	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	81.14	29.41
23 21 13 23-1019	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	103.82	37.43
23 21 13 23-1020	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	231.50	55.35
23 21 13 23-1021	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	313.35	72.81
23 21 13 23-1022	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	491.88	78.04
23 21 13 23-1023	Straight Tees, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1002)			
23 21 13 23-1024	EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	42.67	23.05
23 21 13 23-1025	EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	51.59	26.60
23 21 13 23-1026	EA	1" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	67.83	31.45
23 21 13 23-1027	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	89.80	37.43
23 21 13 23-1028	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	108.75	44.61
23 21 13 23-1029	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	143.69	55.35
23 21 13 23-1030	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	255.38	72.81
23 21 13 23-1031	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	349.17	86.43
23 21 13 23-1032	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	663.51	98.52
23 21 13 23-1033	Reducing Tees, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1002)			
23 21 13 23-1034	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	43.53	23.05
23 21 13 23-1035	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	52.48	26.60
23 21 13 23-1036	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	68.90	31.45
23 21 13 23-1037	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	92.32	37.43
23 21 13 23-1038	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	111.71	44.61
23 21 13 23-1039	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	148.23	55.35
23 21 13 23-1040	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	266.16	72.81
23 21 13 23-1041	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	364.69	86.43
23 21 13 23-1042	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	608.26	98.52
23 21 13 23-1043	Straight Couplings, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1002)			
23 21 13 23-1044	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	30.91	18.48
23 21 13 23-1045	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	34.82	20.63
23 21 13 23-1046	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	40.48	23.05
23 21 13 23-1047	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	46.59	26.14
23 21 13 23-1048	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	54.16	29.41
23 21 13 23-1049	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	70.71	37.43
23 21 13 23-1050	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	119.81	55.35
23 21 13 23-1051	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	159.98	72.81
23 21 13 23-1052	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	218.32	78.04
23 21 13 23-1053	Reducing Couplings, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1002)			
23 21 13 23-1054	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	32.66	18.48
23 21 13 23-1055	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	36.74	20.63
23 21 13 23-1056	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	43.56	23.05
23 21 13 23-1057	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	50.31	26.14
23 21 13 23-1058	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	59.67	29.41
23 21 13 23-1059	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	76.61	37.43
23 21 13 23-1060	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	132.79	55.35
23 21 13 23-1061	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	186.09	72.81
23 21 13 23-1062	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	272.59	78.04

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 13 23-1063		Caps, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1002)		
23 21 13 23-1064	EA	1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB	18.12	8.68
23 21 13 23-1065	EA	3/4" Cap, Carbon Steel, Socket Weld, 3,000 LB	20.57	9.24
23 21 13 23-1066	EA	1" Cap, Carbon Steel, Socket Weld, 3,000 LB	24.11	10.64
23 21 13 23-1067	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 3,000 LB	27.93	11.58
23 21 13 23-1068	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB	31.83	11.58
23 21 13 23-1069	EA	2" Cap, Carbon Steel, Socket Weld, 3,000 LB	41.30	14.84
23 21 13 23-1070	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB	72.37	18.48
23 21 13 23-1071	EA	3" Cap, Carbon Steel, Socket Weld, 3,000 LB	103.92	22.31
23 21 13 23-1072	EA	4" Cap, Carbon Steel, Socket Weld, 3,000 LB	149.95	26.71
23 21 13 23-1073		Black Cast Iron Square Head Plug (23 21 13 23-1002)		
23 21 13 23-1074	EA	1/2" Square Head Plug, Black, Cast Iron	12.13	7.37
23 21 13 23-1075	EA	3/4" Square Head Plug, Black, Cast Iron	13.80	7.37
23 21 13 23-1076	EA	1" Square Head Plug, Black, Cast Iron	19.83	11.20
23 21 13 23-1077	EA	1-1/4" Square Head Plug, Black, Cast Iron	20.16	11.20
23 21 13 23-1078	EA	1-1/2" Square Head Plug, Black, Cast Iron	21.55	11.20
23 21 13 23-1079	EA	2" Square Head Plug, Black, Cast Iron	28.56	14.84
23 21 13 23-1080	EA	2-1/2" Square Head Plug, Black, Cast Iron	36.71	18.48
23 21 13 23-1081	EA	3" Square Head Plug, Black, Cast Iron	48.01	22.31
23 21 13 23-1082	EA	4" Square Head Plug, Black, Cast Iron	57.16	26.71
23 21 13 23-1083		Unions, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1002)		
23 21 13 23-1084	EA	1/2" Union, Carbon Steel, Socket Weld, 3,000 LB	52.81	23.05
23 21 13 23-1085	EA	3/4" Union, Carbon Steel, Socket Weld, 3,000 LB	58.61	26.60
23 21 13 23-1086	EA	1" Union, Carbon Steel, Socket Weld, 3,000 LB	74.51	31.45
23 21 13 23-1087	EA	1-1/4" Union, Carbon Steel, Socket Weld, 3,000 LB	93.83	37.43
23 21 13 23-1088	EA	1-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB	113.00	44.61
23 21 13 23-1089	EA	2" Union, Carbon Steel, Socket Weld, 3,000 LB	141.21	55.35
23 21 13 23-1090	EA	2-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB	239.33	60.11
23 21 13 23-1091	EA	3" Union, Carbon Steel, Socket Weld, 3,000 LB	320.58	72.81
23 21 13 23-1092		Class 6,000 LB Carbon Steel Socket Weld Fittings (23 21 13 23-1001)		
		Note: ASTM A105		
23 21 13 23-1093		90 Degree Elbow, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1092)		
23 21 13 23-1094	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	38.56	18.48
23 21 13 23-1095	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	43.43	20.63
23 21 13 23-1096	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	57.57	23.05
23 21 13 23-1097	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	82.01	26.14
23 21 13 23-1098	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	94.02	29.41
23 21 13 23-1099	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	129.33	37.43
23 21 13 23-1100	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	268.86	55.35
23 21 13 23-1101	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	386.65	72.81
23 21 13 23-1102	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	706.21	78.04
23 21 13 23-1103		45 Degree Elbow, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1092)		
23 21 13 23-1104	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	43.73	18.48
23 21 13 23-1105	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	51.16	20.63
23 21 13 23-1106	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	60.38	23.05
23 21 13 23-1107	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	85.89	26.14
23 21 13 23-1108	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	102.10	29.41
23 21 13 23-1109	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	130.86	37.43
23 21 13 23-1110	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	315.60	55.35
23 21 13 23-1111	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	428.96	72.81
23 21 13 23-1112	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	704.17	78.04
23 21 13 23-1113		Straight Tees, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1092)		
23 21 13 23-1114	EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	50.17	23.05
23 21 13 23-1115	EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	62.42	26.60
23 21 13 23-1116	EA	1" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	87.00	31.45
23 21 13 23-1117	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	121.05	37.43
23 21 13 23-1118	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	147.50	44.61
23 21 13 23-1119	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	199.95	55.35
23 21 13 23-1120	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	390.80	72.81
23 21 13 23-1121	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	552.51	86.43
23 21 13 23-1122	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	1,141.23	98.52
23 21 13 23-1123		Reducing Tees, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1092)		
23 21 13 23-1124	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	43.53	23.05
23 21 13 23-1125	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	52.48	26.60
23 21 13 23-1126	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	68.90	31.45
23 21 13 23-1127	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	92.32	37.43
23 21 13 23-1128	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	111.71	44.61

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1129 EA 2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	148.23	55.35
23 21 13 23-1130 EA 2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	266.16	72.81
23 21 13 23-1131 EA 3" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	364.69	86.43
23 21 13 23-1132 EA 4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	608.26	98.52
23 21 13 23-1133 Straight Couplings, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1092)		
23 21 13 23-1134 EA 1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	32.48	18.48
23 21 13 23-1135 EA 3/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	36.68	20.63
23 21 13 23-1136 EA 1" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	43.34	23.05
23 21 13 23-1137 EA 1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	50.20	26.14
23 21 13 23-1138 EA 1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	59.00	29.41
23 21 13 23-1139 EA 2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	77.80	37.43
23 21 13 23-1140 EA 2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	137.63	55.35
23 21 13 23-1141 EA 3" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	184.56	72.81
23 21 13 23-1142 EA 4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	267.35	78.04
23 21 13 23-1143 Reducing Couplings, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1092)		
23 21 13 23-1144 EA 1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	35.06	18.48
23 21 13 23-1145 EA 3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	39.51	20.63
23 21 13 23-1146 EA 1" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	47.87	23.05
23 21 13 23-1147 EA 1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	55.67	26.14
23 21 13 23-1148 EA 1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	67.13	29.41
23 21 13 23-1149 EA 2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	86.47	37.43
23 21 13 23-1150 EA 2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	156.70	55.35
23 21 13 23-1151 EA 3" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	223.02	72.81
23 21 13 23-1152 EA 4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	347.30	78.04
23 21 13 23-1153 Caps, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1092)		
23 21 13 23-1154 EA 1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB	21.57	8.68
23 21 13 23-1155 EA 3/4" Cap, Carbon Steel, Socket Weld, 6,000 LB	25.10	9.24
23 21 13 23-1156 EA 1" Cap, Carbon Steel, Socket Weld, 6,000 LB	29.59	10.64
23 21 13 23-1157 EA 1-1/4" Cap, Carbon Steel, Socket Weld, 6,000 LB	35.07	11.58
23 21 13 23-1158 EA 1-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB	41.60	11.58
23 21 13 23-1159 EA 2" Cap, Carbon Steel, Socket Weld, 6,000 LB	54.04	14.84
23 21 13 23-1160 EA 2-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB	102.39	18.48
23 21 13 23-1161 EA 3" Cap, Carbon Steel, Socket Weld, 6,000 LB	151.20	22.31
23 21 13 23-1162 EA 4" Cap, Carbon Steel, Socket Weld, 6,000 LB	223.67	26.71
23 21 13 23-1163 Black Cast Iron Square Head Plug (23 21 13 23-1092)		
23 21 13 23-1164 EA 1/2" Square Head Plug, Black Cast Iron	12.13	7.37
23 21 13 23-1165 EA 3/4" Square Head Plug, Black Cast Iron	13.81	7.37
23 21 13 23-1166 EA 1" Square Head Plug, Black Cast Iron	19.85	11.20
23 21 13 23-1167 EA 1-1/4" Square Head Plug, Black Cast Iron	20.18	11.20
23 21 13 23-1168 EA 1-1/2" Square Head Plug, Black Cast Iron	21.57	11.20
23 21 13 23-1169 EA 2" Square Head Plug, Black Cast Iron	28.59	14.84
23 21 13 23-1170 EA 2-1/2" Square Head Plug, Black Cast Iron	36.76	18.48
23 21 13 23-1171 EA 3" Square Head Plug, Black Cast Iron	48.08	22.31
23 21 13 23-1172 EA 4" Square Head Plug, Black Cast Iron	57.25	26.71
23 21 13 23-1173 Unions, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1092)		
23 21 13 23-1174 EA 1/2" Union, Carbon Steel, Socket Weld, 6,000 LB	63.97	23.05
23 21 13 23-1175 EA 3/4" Union, Carbon Steel, Socket Weld, 6,000 LB	70.06	26.60
23 21 13 23-1176 EA 1" Union, Carbon Steel, Socket Weld, 6,000 LB	91.24	31.45
23 21 13 23-1177 EA 1-1/4" Union, Carbon Steel, Socket Weld, 6,000 LB	116.93	37.43
23 21 13 23-1178 EA 1-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB	141.19	44.61
23 21 13 23-1179 EA 2" Union, Carbon Steel, Socket Weld, 6,000 LB	176.83	55.35
23 21 13 23-1180 EA 2-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB	330.54	60.11
23 21 13 23-1181 EA 3" Union, Carbon Steel, Socket Weld, 6,000 LB	449.85	72.81
23 21 13 23-1182 Carbon Steel, Seamless Piping System (23 21 13 23-1001)		
Note: ASTM A106 Excludes hangers or fittings. Demolition Note applies to all pipe demolition.		
23 21 13 23-1183 Schedule 40, Carbon Steel, Seamless Piping (23 21 13 23-1182)		
Note: ASTM A106 Excludes hangers, elbow, tee, or reducer fittings.		
23 21 13 23-1184 LF 1/4" ASTM A106 Carbon Steel Pipe, Schedule 40	7.08	3.45
For Schedule 80, Add	0.68	
23 21 13 23-1185 LF 1/2" ASTM A106 Carbon Steel Pipe, Schedule 40	7.40	3.73
For Schedule 80, Add	0.63	
For Schedule 160, Add	2.61	
23 21 13 23-1186 LF 3/4" ASTM A106 Carbon Steel Pipe, Schedule 40	8.15	4.01
For Schedule 80, Add	0.77	
For Schedule 160, Add	3.20	
23 21 13 23-1187 LF 1" ASTM A106 Carbon Steel Pipe, Schedule 40	8.72	4.39
For Schedule 80, Add	0.79	
For Schedule 160, Add	3.30	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1188 LF 1-1/2" ASTM A106 Carbon Steel Pipe, Schedule 40 For Schedule 80, Add For Schedule 160, Add	11.36 1.17 4.86	5.42
23 21 13 23-1189 LF 2" ASTM A106 Carbon Steel Pipe, Schedule 40 For Schedule 80, Add For Schedule 160, Add	14.08 1.53 6.39	6.53
23 21 13 23-1190 90 Degree Elbows, Screwed Carbon Steel (23 21 13 23-1182)		
23 21 13 23-1191 EA 1/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	25.77	14.19
23 21 13 23-1192 EA 1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	31.06	16.62
23 21 13 23-1193 EA 3/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	34.71	18.58
23 21 13 23-1194 EA 1" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	39.74	20.72
23 21 13 23-1195 EA 1-1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	62.00	26.51
23 21 13 23-1196 EA 2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	78.56	33.69
23 21 13 23-1197 EA 1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	27.20	14.19
23 21 13 23-1198 EA 1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	31.59	16.62
23 21 13 23-1199 EA 3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	36.48	18.58
23 21 13 23-1200 EA 1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	43.59	20.72
23 21 13 23-1201 EA 1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	71.19	26.51
23 21 13 23-1202 EA 2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	88.73	33.69
23 21 13 23-1203 EA 1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	36.60	16.62
23 21 13 23-1204 EA 3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	42.78	18.58
23 21 13 23-1205 EA 1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	50.21	20.72
23 21 13 23-1206 EA 1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	89.80	26.51
23 21 13 23-1207 EA 2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	138.09	33.69
23 21 13 23-1208 45 Degree Elbows, Screwed Carbon Steel (23 21 13 23-1182)		
23 21 13 23-1209 EA 1/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	28.79	14.19
23 21 13 23-1210 EA 1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	32.21	16.62
23 21 13 23-1211 EA 3/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	36.20	18.58
23 21 13 23-1212 EA 1" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	40.87	20.72
23 21 13 23-1213 EA 1-1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	58.32	26.51
23 21 13 23-1214 EA 2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	84.23	33.69
23 21 13 23-1215 EA 1/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	29.02	14.19
23 21 13 23-1216 EA 1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	33.52	16.62
23 21 13 23-1217 EA 3/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	37.71	18.58
23 21 13 23-1218 EA 1" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	44.80	20.72
23 21 13 23-1219 EA 1-1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	69.77	26.51
23 21 13 23-1220 EA 2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	91.90	33.69
23 21 13 23-1221 EA 1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	40.06	16.62
23 21 13 23-1222 EA 3/4" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	49.02	18.58
23 21 13 23-1223 EA 1" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	52.55	20.72
23 21 13 23-1224 EA 1-1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	103.08	26.51
23 21 13 23-1225 EA 2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	138.96	33.69
23 21 13 23-1226 Straight Tees, Screwed Carbon Steel (23 21 13 23-1182)		
23 21 13 23-1227 EA 1/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel	34.33	19.69
23 21 13 23-1228 EA 1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	39.10	20.72
23 21 13 23-1229 EA 3/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel	46.80	23.99
23 21 13 23-1230 EA 1" Tee, Straight, 2,000 LB, Screwed Carbon Steel	57.32	28.29
23 21 13 23-1231 EA 1-1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	91.56	40.14
23 21 13 23-1232 EA 2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	113.52	49.85
23 21 13 23-1233 EA 1/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel	35.55	19.69
23 21 13 23-1234 EA 1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	39.90	20.72
23 21 13 23-1235 EA 3/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel	49.46	23.99
23 21 13 23-1236 EA 1" Tee, Straight, 3,000 LB, Screwed Carbon Steel	59.60	28.29
23 21 13 23-1237 EA 1-1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	99.45	40.14
23 21 13 23-1238 EA 2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	126.58	49.85
23 21 13 23-1239 EA 1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	45.90	20.72
23 21 13 23-1240 EA 3/4" Tee, Straight, 6,000 LB, Screwed Carbon Steel	55.91	23.99
23 21 13 23-1241 EA 1" Tee, Straight, 6,000 LB, Screwed Carbon Steel	75.56	28.29
23 21 13 23-1242 EA 1-1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	117.58	40.14
23 21 13 23-1243 EA 2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	184.37	49.85
23 21 13 23-1244 Crosses, Screwed Carbon Steel (23 21 13 23-1182)		
23 21 13 23-1245 EA 1/4" Cross, 2,000 LB, Screwed Carbon Steel	51.28	24.92
23 21 13 23-1246 EA 1/2" Cross, 2,000 LB, Screwed Carbon Steel	60.53	28.00
23 21 13 23-1247 EA 3/4" Cross, 2,000 LB, Screwed Carbon Steel	65.03	29.87
23 21 13 23-1248 EA 1" Cross, 2,000 LB, Screwed Carbon Steel	80.41	36.03
23 21 13 23-1249 EA 1-1/2" Cross, 2,000 LB, Screwed Carbon Steel	139.11	50.40
23 21 13 23-1250 EA 2" Cross, 2,000 LB, Screwed Carbon Steel	179.41	62.26
23 21 13 23-1251 EA 1/2" Cross, 3,000 LB, Screwed Carbon Steel	62.04	28.00
23 21 13 23-1252 EA 3/4" Cross, 3,000 LB, Screwed Carbon Steel	73.67	29.87
23 21 13 23-1253 EA 1" Cross, 3,000 LB, Screwed Carbon Steel	87.97	36.03
23 21 13 23-1254 EA 1-1/2" Cross, 3,000 LB, Screwed Carbon Steel	150.00	50.40
23 21 13 23-1255 EA 2" Cross, 3,000 LB, Screwed Carbon Steel	199.30	62.26
23 21 13 23-1256 EA 1/2" Cross, 6,000 LB, Screwed Carbon Steel	90.15	28.00

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1257 EA 3/4" Cross, 6,000 LB, Screwed Carbon Steel	150.40	29.87
23 21 13 23-1258 EA 1" Cross, 6,000 LB, Screwed Carbon Steel	206.20	36.03
23 21 13 23-1259 EA 1-1/2" Cross, 6,000 LB, Screwed Carbon Steel	325.81	50.40
23 21 13 23-1260 EA 2" Cross, 6,000 LB, Screwed Carbon Steel	357.39	62.26
23 21 13 23-1261 Straight Couplings, Screwed Carbon Steel (23 21 13 23-1182)		
23 21 13 23-1262 EA 1/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	23.96	14.19
23 21 13 23-1263 EA 1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	27.38	16.62
23 21 13 23-1264 EA 3/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	31.29	18.58
23 21 13 23-1265 EA 1" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	36.28	20.72
23 21 13 23-1266 EA 1-1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	52.72	26.51
23 21 13 23-1267 EA 2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	66.91	33.69
23 21 13 23-1268 EA 1/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	27.57	14.19
23 21 13 23-1269 EA 1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	29.66	16.62
23 21 13 23-1270 EA 3/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	33.04	18.58
23 21 13 23-1271 EA 1" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	38.61	20.72
23 21 13 23-1272 EA 1-1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	56.28	26.51
23 21 13 23-1273 EA 2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	79.93	33.69
23 21 13 23-1274 Reducing Couplings, Screwed Carbon Steel (23 21 13 23-1182)		
23 21 13 23-1275 EA 1/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	24.46	15.12
23 21 13 23-1276 EA 1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	28.56	16.62
23 21 13 23-1277 EA 3/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	33.10	18.58
23 21 13 23-1278 EA 1" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	38.78	20.72
23 21 13 23-1279 EA 1-1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	53.37	26.51
23 21 13 23-1280 EA 2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	70.42	33.69
23 21 13 23-1281 EA 1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	74.71	16.62
23 21 13 23-1282 EA 3/4" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	77.68	18.58
23 21 13 23-1283 EA 1" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	90.74	20.72
23 21 13 23-1284 EA 1-1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	130.23	26.51
23 21 13 23-1285 EA 2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	186.75	33.69
23 21 13 23-1286 Caps, Screwed Carbon Steel (23 21 13 23-1182)		
23 21 13 23-1287 EA 1/4" Cap, 3,000 LB, Screwed Carbon Steel	7.30	3.45
23 21 13 23-1288 EA 1/2" Cap, 3,000 LB, Screwed Carbon Steel	8.13	3.92
23 21 13 23-1289 EA 3/4" Cap, 3,000 LB, Screwed Carbon Steel	9.89	4.48
23 21 13 23-1290 EA 1" Cap, 3,000 LB, Screwed Carbon Steel	12.70	5.22
23 21 13 23-1291 EA 1-1/2" Cap, 3,000 LB, Screwed Carbon Steel	17.22	6.25
23 21 13 23-1292 EA 2" Cap, 3,000 LB, Screwed Carbon Steel	23.93	7.74
23 21 13 23-1293 EA 1/4" Cap, 6,000 LB, Screwed Carbon Steel	11.62	3.45
23 21 13 23-1294 EA 1/2" Cap, 6,000 LB, Screwed Carbon Steel	10.90	3.92
23 21 13 23-1295 EA 3/4" Cap, 6,000 LB, Screwed Carbon Steel	14.40	4.48
23 21 13 23-1296 EA 1" Cap, 6,000 LB, Screwed Carbon Steel	16.00	5.22
23 21 13 23-1297 EA 1-1/2" Cap, 6,000 LB, Screwed Carbon Steel	30.66	6.25
23 21 13 23-1298 EA 2" Cap, 6,000 LB, Screwed Carbon Steel	37.02	7.74
23 21 13 23-1299 Nipples, Screwed Carbon Steel (23 21 13 23-1182)		
23 21 13 23-1300 EA 1/4" Nipple, 2" Long, Screwed Carbon Steel	14.72	8.49
23 21 13 23-1301 EA 1/2" Nipple, 2" Long, Screwed Carbon Steel	14.97	8.86
23 21 13 23-1302 EA 3/4" Nipple, 2" Long, Screwed Carbon Steel	14.86	8.86
23 21 13 23-1303 EA 1" Nipple, 2" Long, Screwed Carbon Steel	16.55	9.61
23 21 13 23-1304 EA 1-1/2" Nipple, 2" Long, Screwed Carbon Steel	18.86	10.36
23 21 13 23-1305 EA 2" Nipple, 2" Long, Screwed Carbon Steel	22.57	13.35
23 21 13 23-1306 EA 1/4" Nipple, 4" Long, Screwed Carbon Steel	15.54	8.49
23 21 13 23-1307 EA 1/2" Nipple, 4" Long, Screwed Carbon Steel	15.63	8.86
23 21 13 23-1308 EA 3/4" Nipple, 4" Long, Screwed Carbon Steel	15.60	8.86
23 21 13 23-1309 EA 1" Nipple, 4" Long, Screwed Carbon Steel	17.55	9.61
23 21 13 23-1310 EA 1-1/2" Nipple, 4" Long, Screwed Carbon Steel	20.64	10.36
23 21 13 23-1311 EA 2" Nipple, 4" Long, Screwed Carbon Steel	25.18	13.35
23 21 13 23-1312 EA 1/4" Nipple, 6" Long, Screwed Carbon Steel	17.52	8.49
23 21 13 23-1313 EA 1/2" Nipple, 6" Long, Screwed Carbon Steel	16.67	8.86
23 21 13 23-1314 EA 3/4" Nipple, 6" Long, Screwed Carbon Steel	16.76	8.86
23 21 13 23-1315 EA 1" Nipple, 6" Long, Screwed Carbon Steel	18.98	9.61
23 21 13 23-1316 EA 1-1/2" Nipple, 6" Long, Screwed Carbon Steel	23.08	10.36
23 21 13 23-1317 EA 2" Nipple, 6" Long, Screwed Carbon Steel	27.33	13.35
23 21 13 23-1318 Unions, Screwed Carbon Steel (23 21 13 23-1182)		
23 21 13 23-1319 EA 1/4" Union, 3,000 LB, Screwed Carbon Steel	30.92	20.63
23 21 13 23-1320 EA 1/2" Union, 3,000 LB, Screwed Carbon Steel	32.52	20.72
23 21 13 23-1321 EA 3/4" Union, 3,000 LB, Screwed Carbon Steel	37.35	23.99
23 21 13 23-1322 EA 1" Union, 3,000 LB, Screwed Carbon Steel	44.54	28.29
23 21 13 23-1323 EA 1-1/2" Union, 3,000 LB, Screwed Carbon Steel	63.79	40.14
23 21 13 23-1324 EA 2" Union, 3,000 LB, Screwed Carbon Steel	79.18	49.85
23 21 13 23-1325 EA 1/4" Union, 6,000 LB, Screwed Carbon Steel	50.06	20.63
23 21 13 23-1326 EA 1/2" Union, 6,000 LB, Screwed Carbon Steel	55.66	20.72

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1327	EA	3/4" Union, 6,000 LB, Screwed Carbon Steel	65.37	23.99	
23 21 13 23-1328	EA	1" Union, 6,000 LB, Screwed Carbon Steel	79.07	28.29	
23 21 13 23-1329	EA	1-1/2" Union, 6,000 LB, Screwed Carbon Steel	134.39	40.14	
23 21 13 23-1330	EA	2" Union, 6,000 LB, Screwed Carbon Steel	166.08	49.85	
23 21 13 23-1331 Weld Neck Flanges, Screwed Carbon Steel (23 21 13 23-1182)					
23 21 13 23-1332	EA	1/2" Flange, 150 LB, Screwed Carbon Steel	68.02	38.55	
23 21 13 23-1333	EA	3/4" Flange, 150 LB, Screwed Carbon Steel	71.14	40.42	
23 21 13 23-1334	EA	1" Flange, 150 LB, Screwed Carbon Steel	73.77	42.19	
23 21 13 23-1335	EA	1-1/2" Flange, 150 LB, Screwed Carbon Steel	82.13	47.51	
23 21 13 23-1336	EA	2" Flange, 150 LB, Screwed Carbon Steel	85.23	49.56	
23 21 13 23-1337	EA	1/2" Flange, 300 LB, Screwed Carbon Steel	68.66	38.55	
		For Ring Type Joint, Add	10.82		
		For Blind Flange, Deduct	-25.30		
23 21 13 23-1338	EA	3/4" Flange, 300 LB, Screwed Carbon Steel	71.83	40.42	
		For Ring Type Joint, Add	11.19		
		For Blind Flange, Deduct	-26.49		
23 21 13 23-1339	EA	1" Flange, 300 LB, Screwed Carbon Steel	74.81	42.19	
		For Ring Type Joint, Add	11.54		
		For Blind Flange, Deduct	-27.62		
23 21 13 23-1340	EA	1-1/2" Flange, 300 LB, Screwed Carbon Steel	84.61	47.51	
		For Ring Type Joint, Add	13.35		
		For Blind Flange, Deduct	-31.17		
23 21 13 23-1341	EA	2" Flange, 300 LB, Screwed Carbon Steel	87.71	49.56	
		For Ring Type Joint, Add	13.35		
		For Blind Flange, Deduct	-32.41		
23 21 13 23-1342	EA	1/2" Flange, 600 LB, Screwed Carbon Steel	72.92	38.55	
		For Ring Type Joint, Add	15.08		
		For Blind Flange, Deduct	-26.15		
23 21 13 23-1343	EA	3/4" Flange, 600 LB, Screwed Carbon Steel	75.72	40.42	
		For Ring Type Joint, Add	15.08		
		For Blind Flange, Deduct	-27.27		
23 21 13 23-1344	EA	1" Flange, 600 LB, Screwed Carbon Steel	79.04	42.19	
		For Ring Type Joint, Add	15.77		
		For Blind Flange, Deduct	-28.46		
23 21 13 23-1345	EA	1-1/2" Flange, 600 LB, Screwed Carbon Steel	89.85	47.51	
		For Ring Type Joint, Add	18.59		
		For Blind Flange, Deduct	-32.22		
23 21 13 23-1346	EA	2" Flange, 600 LB, Screwed Carbon Steel	91.66	49.56	
		For Ring Type Joint, Add	17.30		
		For Blind Flange, Deduct	-33.20		
23 21 13 23-1347 Square Head Plugs, Screwed Carbon Steel (23 21 13 23-1182)					
23 21 13 23-1348	EA	1/4" Square Head Plug, Screwed Carbon Steel	4.86	2.61	
23 21 13 23-1349	EA	1/2" Square Head Plug, Screwed Carbon Steel	5.82	3.08	
23 21 13 23-1350	EA	3/4" Square Head Plug, Screwed Carbon Steel	6.75	3.55	
23 21 13 23-1351	EA	1" Square Head Plug, Screwed Carbon Steel	9.83	5.22	
23 21 13 23-1352	EA	1-1/2" Square Head Plug, Screwed Carbon Steel	12.35	5.22	
23 21 13 23-1353	EA	2" Square Head Plug, Screwed Carbon Steel	17.75	6.82	
23 21 13 23-1354 Hex Head Plugs, Screwed Carbon Steel (23 21 13 23-1182)					
23 21 13 23-1355	EA	1/4" Hex Head Plug, Screwed Carbon Steel	4.61	2.61	
23 21 13 23-1356	EA	1/2" Hex Head Plug, Screwed Carbon Steel	5.59	3.08	
23 21 13 23-1357	EA	3/4" Hex Head Plug, Screwed Carbon Steel	6.60	3.55	
23 21 13 23-1358	EA	1" Hex Head Plug, Screwed Carbon Steel	9.70	5.22	
23 21 13 23-1359	EA	1-1/2" Hex Head Plug, Screwed Carbon Steel	11.79	5.22	
23 21 13 23-1360	EA	2" Hex Head Plug, Screwed Carbon Steel	18.14	6.82	
23 21 13 23-1361 Round Head Plugs, Screwed Carbon Steel (23 21 13 23-1182)					
23 21 13 23-1362	EA	1/4" Round Head Plug, Screwed Carbon Steel	5.43	2.61	
23 21 13 23-1363	EA	1/2" Round Head Plug, Screwed Carbon Steel	5.86	3.08	
23 21 13 23-1364	EA	3/4" Round Head Plug, Screwed Carbon Steel	6.64	3.55	
23 21 13 23-1365	EA	1" Round Head Plug, Screwed Carbon Steel	9.92	5.22	
23 21 13 23-1366	EA	1-1/2" Round Head Plug, Screwed Carbon Steel	13.04	5.22	
23 21 13 23-1367	EA	2" Round Head Plug, Screwed Carbon Steel	17.99	6.82	
23 21 13 23-1368 Hexagon Bushings, Screwed Carbon Steel (23 21 13 23-1182)					
23 21 13 23-1369	EA	1/4" Hex Bushing, Screwed Carbon Steel	4.80	2.61	
23 21 13 23-1370	EA	1/2" Hex Bushing, Screwed Carbon Steel	5.58	3.08	
23 21 13 23-1371	EA	3/4" Hex Bushing, Screwed Carbon Steel	6.53	3.55	
23 21 13 23-1372	EA	1" Hex Bushing, Screwed Carbon Steel	9.88	5.22	
23 21 13 23-1373	EA	1-1/2" Hex Bushing, Screwed Carbon Steel	11.75	5.22	
23 21 13 23-1374	EA	2" Hex Bushing, Screwed Carbon Steel	17.56	6.82	
23 21 13 23-1375 90 Degree Street Elbows, Screwed Carbon Steel (23 21 13 23-1182)					

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1376 EA 1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	30.35	14.19
23 21 13 23-1377 EA 1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	34.65	16.62
23 21 13 23-1378 EA 3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	40.41	18.58
23 21 13 23-1379 EA 1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	47.16	20.72
23 21 13 23-1380 EA 1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	74.08	26.51
23 21 13 23-1381 EA 2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	99.52	33.69
23 21 13 23-1382 EA 1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	47.73	16.62
23 21 13 23-1383 EA 3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	67.00	18.58
23 21 13 23-1384 EA 1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	91.66	20.72
23 21 13 23-1385 EA 1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	196.49	26.51
23 21 13 23-1386 Screwed Carbon Steel Laterals (23 21 13 23-1182)		
23 21 13 23-1387 EA 1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	121.19	20.72
23 21 13 23-1388 EA 3/4" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	145.57	23.99
23 21 13 23-1389 EA 1" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	177.94	28.29
23 21 13 23-1390 EA 1-1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	229.43	40.14
23 21 13 23-1391 EA 2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	286.19	49.85
23 21 13 23-1392 EA 1/2" Lateral, Straight, 6,000 LB, Screwed Carbon Steel	151.75	20.72
23 21 13 23-1393 EA 3/4" Lateral, Straight, 6,000 LB, Screwed Carbon Steel	191.01	23.99
23 21 13 23-1394 EA 1" Lateral, Straight, 6,000 LB, Screwed Carbon Steel	226.52	28.29
23 21 13 23-1395 EA 1-1/2" Lateral, Straight, 6,000 LB, Screwed Carbon Steel	318.75	40.14
23 21 13 23-1396 Grooved-Joint Pipe (23 21 13 23)		
Note: Includes grooving of pipe. Excludes hangers, elbow, tee, reducer fitting or couplings.		
23 21 13 23-1397 Schedule 10 Black Grooved Pipe (23 21 13 23-1396)		
23 21 13 23-1398 LF 2" Black Schedule 10 Grooved Pipe	27.21	11.85
23 21 13 23-1399 LF 2-1/2" Black Schedule 10 Grooved Pipe	36.65	16.25
23 21 13 23-1400 LF 3" Black Schedule 10 Grooved Pipe	41.20	18.01
23 21 13 23-1401 LF 3-1/2" Black Schedule 10 Grooved Pipe	46.19	18.67
23 21 13 23-1402 LF 4" Black Schedule 10 Grooved Pipe	48.97	20.26
23 21 13 23-1403 LF 5" Black Schedule 10 Grooved Pipe	69.90	24.83
23 21 13 23-1404 LF 6" Black Schedule 10 Grooved Pipe	89.47	35.29
23 21 13 23-1405 LF 8" Black Schedule 10 Grooved Pipe	123.96	39.57
23 21 13 23-1406 LF 10" Black Schedule 10 Grooved Pipe	155.77	47.70
23 21 13 23-1407 LF 12" Black Schedule 10 Grooved Pipe	179.90	54.04
23 21 13 23-1408 Schedule 40 Black Grooved Pipe (23 21 13 23-1396)		
23 21 13 23-1409 LF 3/4" Black Schedule 40 Grooved Pipe	16.30	7.19
23 21 13 23-1410 LF 1" Black Schedule 40 Grooved Pipe	18.41	8.12
23 21 13 23-1411 LF 1-1/4" Black Schedule 40 Grooved Pipe	21.02	8.77
23 21 13 23-1412 LF 1-1/2" Black Schedule 40 Grooved Pipe	23.91	9.98
23 21 13 23-1413 LF 2" Black Schedule 40 Grooved Pipe	30.12	12.70
23 21 13 23-1414 LF 2-1/2" Black Schedule 40 Grooved Pipe	42.01	17.37
23 21 13 23-1415 LF 3" Black Schedule 40 Grooved Pipe	49.72	19.79
23 21 13 23-1416 LF 4" Black Schedule 40 Grooved Pipe	61.45	22.02
23 21 13 23-1417 LF 5" Black Schedule 40 Grooved Pipe	85.30	26.78
23 21 13 23-1418 LF 6" Black Schedule 40 Grooved Pipe	114.24	38.64
23 21 13 23-1419 LF 8" Black Schedule 40 Grooved Pipe	153.15	43.78
23 21 13 23-1420 LF 10" Black Schedule 40 Grooved Pipe	212.71	52.27
23 21 13 23-1421 LF 12" Black Schedule 40 Grooved Pipe	250.87	60.02
23 21 13 23-1422 LF 14" Black Schedule 40 Grooved Pipe	330.80	81.11
23 21 13 23-1423 LF 16" Black Schedule 40 Grooved Pipe	383.48	95.39
23 21 13 23-1424 LF 18" Black Schedule 40 Grooved Pipe	476.57	115.84
23 21 13 23-1425 LF 20" Black Schedule 40 Grooved Pipe	549.23	135.06
23 21 13 23-1426 LF 24" Black Schedule 40 Grooved Pipe	720.92	162.13
23 21 13 23-1427 Schedule 80 Black Grooved Pipe (23 21 13 23-1396)		
23 21 13 23-1428 LF 3/4" Black Schedule 80 Grooved Pipe	17.86	7.84
23 21 13 23-1429 LF 1" Black Schedule 80 Grooved Pipe	19.90	8.31
23 21 13 23-1430 LF 1-1/4" Black Schedule 80 Grooved Pipe	23.48	9.24
23 21 13 23-1431 LF 1-1/2" Black Schedule 80 Grooved Pipe	26.75	10.36
23 21 13 23-1432 LF 2" Black Schedule 80 Grooved Pipe	34.62	13.35
23 21 13 23-1433 LF 2-1/2" Black Schedule 80 Grooved Pipe	48.85	18.38
23 21 13 23-1434 LF 3" Black Schedule 80 Grooved Pipe	58.52	20.63
23 21 13 23-1435 LF 4" Black Schedule 80 Grooved Pipe	74.19	22.50
23 21 13 23-1436 LF 5" Black Schedule 80 Grooved Pipe	114.52	28.29
23 21 13 23-1437 LF 6" Black Schedule 80 Grooved Pipe	148.37	40.51
23 21 13 23-1438 LF 8" Black Schedule 80 Grooved Pipe	224.86	46.30
23 21 13 23-1439 LF 10" Black Schedule 80 Grooved Pipe	280.20	55.91
23 21 13 23-1440 LF 12" Black Schedule 80 Grooved Pipe	293.42	67.58
23 21 13 23-1441 Schedule 40 Galvanized Grooved Pipe (23 21 13 23-1396)		
23 21 13 23-1442 LF 3/4" Galvanized Schedule 40 Grooved Pipe	16.89	7.19
23 21 13 23-1443 LF 1" Galvanized Schedule 40 Grooved Pipe	19.64	8.12
23 21 13 23-1444 LF 1-1/4" Galvanized Schedule 40 Grooved Pipe	21.95	8.77

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1445	LF	1-1/2" Galvanized Schedule 40 Grooved Pipe	24.99	9.98
23 21 13 23-1446	LF	2" Galvanized Schedule 40 Grooved Pipe	31.57	12.70
23 21 13 23-1447	LF	2-1/2" Galvanized Schedule 40 Grooved Pipe	44.34	17.37
23 21 13 23-1448	LF	3" Galvanized Schedule 40 Grooved Pipe	52.84	19.79
23 21 13 23-1449	LF	4" Galvanized Schedule 40 Grooved Pipe	65.86	22.02
23 21 13 23-1450	LF	5" Galvanized Schedule 40 Grooved Pipe	93.61	26.78
23 21 13 23-1451	LF	6" Galvanized Schedule 40 Grooved Pipe	125.59	38.64
23 21 13 23-1452	LF	8" Galvanized Schedule 40 Grooved Pipe	168.76	43.78
23 21 13 23-1453	LF	10" Galvanized Schedule 40 Grooved Pipe	240.35	52.27
23 21 13 23-1454	LF	12" Galvanized Schedule 40 Grooved Pipe	284.35	60.02
23 21 13 23-1455		Schedule 80 Galvanized Grooved Pipe (23 21 13 23-1396)		
23 21 13 23-1456	LF	3/4" Galvanized Schedule 80 Grooved Pipe	18.11	7.84
23 21 13 23-1457	LF	1" Galvanized Schedule 80 Grooved Pipe	24.09	8.31
23 21 13 23-1458	LF	1-1/4" Galvanized Schedule 80 Grooved Pipe	24.15	9.24
23 21 13 23-1459	LF	1-1/2" Galvanized Schedule 80 Grooved Pipe	31.84	11.01
23 21 13 23-1460	LF	2" Galvanized Schedule 80 Grooved Pipe	35.79	13.35
23 21 13 23-1461	LF	2-1/2" Galvanized Schedule 80 Grooved Pipe	50.82	18.38
23 21 13 23-1462	LF	3" Galvanized Schedule 80 Grooved Pipe	61.50	20.63
23 21 13 23-1463	LF	4" Galvanized Schedule 80 Grooved Pipe	78.31	22.50
23 21 13 23-1464	LF	5" Galvanized Schedule 80 Grooved Pipe	119.36	28.29
23 21 13 23-1465	LF	6" Galvanized Schedule 80 Grooved Pipe	153.73	40.51
23 21 13 23-1466	LF	8" Galvanized Schedule 80 Grooved Pipe	233.57	46.30
23 21 13 23-1467	LF	10" Galvanized Schedule 80 Grooved Pipe	277.78	55.91
23 21 13 23-1468	LF	12" Galvanized Schedule 80 Grooved Pipe	303.27	67.58
23 21 13 23-1469		Painted Grooved-Joint Pipe Fittings (23 21 13 23)		
		Note: Couplings are not included with fittings.		
23 21 13 23-1470		Grooved Elbows (23 21 13 23-1469)		
23 21 13 23-1471		90 Degree Grooved Elbows (23 21 13 23-1470)		
		Note: Victaulic No. 10		
23 21 13 23-1472	EA	3/4" 90 Degree Elbow, Ductile Iron, Grooved	101.21	10.18
		For Galvanized Fittings, Add	28.37	
23 21 13 23-1473	EA	1" 90 Degree Elbow, Ductile Iron, Grooved	101.21	10.18
		For Galvanized Fittings, Add	28.37	
23 21 13 23-1474	EA	1-1/4" 90 Degree Elbow, Ductile Iron, Grooved	105.02	12.70
		For Galvanized Fittings, Add	28.37	
23 21 13 23-1475	EA	1-1/2" 90 degree Elbow, Ductile Iron, Grooved	109.07	15.40
		For Galvanized Fittings, Add	28.37	
23 21 13 23-1476	EA	2" 90 Degree Elbow, Ductile Iron, Grooved	116.47	20.35
		For Galvanized Fittings, Add	28.37	
23 21 13 23-1477	EA	2-1/2" 90 Degree Elbow, Ductile Iron, Grooved	123.12	24.83
		For Galvanized Fittings, Add	28.37	
23 21 13 23-1478	EA	3" 90 Degree Elbow, Ductile Iron, Grooved	197.75	30.05
		For Galvanized Fittings, Add	50.39	
23 21 13 23-1479	EA	4" 90 Degree Elbow, Ductile Iron, Grooved	225.78	39.67
		For Galvanized Fittings, Add	54.89	
23 21 13 23-1480	EA	5" 90 Degree Elbow, Ductile Iron, Grooved	479.19	49.56
		For Galvanized Fittings, Add	133.61	
23 21 13 23-1481	EA	6" 90 Degree Elbow, Ductile Iron, Grooved	567.76	64.87
		For Galvanized Fittings, Add	155.27	
23 21 13 23-1482	EA	8" 90 Degree Elbow, Ductile Iron, Grooved	1,106.06	77.20
		For Galvanized Fittings, Add	326.80	
23 21 13 23-1483	EA	10" 90 Degree Elbow, Ductile Iron, Grooved	1,677.95	90.07
		For Galvanized Fittings, Add	509.16	
23 21 13 23-1484	EA	12" 90 Degree Elbow, Ductile Iron, Grooved	2,635.08	108.08
		For Galvanized Fittings, Add	816.10	
23 21 13 23-1485	EA	14" 90 Degree Elbow, Steel, Grooved	5,325.97	121.99
		For Galvanized Fittings, Add	1,697.20	
23 21 13 23-1486	EA	16" 90 Degree Elbow, Steel, Grooved	6,932.23	135.06
		For Galvanized Fittings, Add	2,220.80	
23 21 13 23-1487	EA	18" 90 Degree Elbow, Steel, Grooved	8,756.42	147.57
		For Galvanized Fittings, Add	2,816.62	
23 21 13 23-1488	EA	20" 90 Degree Elbow, Steel, Grooved	11,446.28	153.45
		For Galvanized Fittings, Add	3,701.33	
23 21 13 23-1489	EA	24" 90 Degree Elbow, Steel, Grooved	16,412.28	181.45
		For Galvanized Fittings, Add	5,326.31	
23 21 13 23-1490		45 Degree Grooved Elbows (23 21 13 23-1470)		
		Note: Victaulic No. 11		
23 21 13 23-1491	EA	3/4" 45 Degree Elbow, Ductile Iron, Grooved	101.15	10.18
		For Galvanized Fittings, Add	20.62	
23 21 13 23-1492	EA	1" 45 Degree Elbow, Ductile Iron, Grooved	101.15	10.18
		For Galvanized Fittings, Add	20.62	
23 21 13 23-1493	EA	1-1/4" 45 Degree Elbow, Ductile Iron, Grooved	104.96	12.70
		For Galvanized Fittings, Add	20.62	
23 21 13 23-1494	EA	1-1/2" 45 degree Elbow, Ductile Iron, Grooved	109.01	15.40
		For Galvanized Fittings, Add	20.62	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1495 EA 2" 45 Degree Elbow, Ductile Iron, Grooved For Galvanized Fittings, Add	116.41 20.62	20.35
23 21 13 23-1496 EA 2-1/2" 45 Degree Elbow, Ductile Iron, Grooved For Galvanized Fittings, Add	123.06 20.62	24.83
23 21 13 23-1497 EA 3" 45 Degree Elbow, Ductile Iron, Grooved For Galvanized Fittings, Add	197.69 36.64	30.05
23 21 13 23-1498 EA 4" 45 Degree Elbow, Ductile Iron, Grooved For Galvanized Fittings, Add	225.78 39.92	39.67
23 21 13 23-1499 EA 5" 45 Degree Elbow, Ductile Iron, Grooved For Galvanized Fittings, Add	479.19 97.17	49.56
23 21 13 23-1500 EA 6" 45 Degree Elbow, Ductile Iron, Grooved For Galvanized Fittings, Add	567.76 112.93	64.87
23 21 13 23-1501 EA 8" 45 Degree Elbow, Ductile Iron, Grooved For Galvanized Fittings, Add	1,106.06 237.67	77.20
23 21 13 23-1502 EA 10" 45 Degree Elbow, Ductile Iron, Grooved For Galvanized Fittings, Add	1,677.95 370.30	90.07
23 21 13 23-1503 EA 12" 45 Degree Elbow, Ductile Iron, Grooved For Galvanized Fittings, Add	2,635.08 593.53	108.08
23 21 13 23-1504 EA 14" 45 Degree Elbow, Steel, Grooved For Galvanized Fittings, Add	5,325.97 1,234.32	121.99
23 21 13 23-1505 EA 16" 45 Degree Elbow, Steel, Grooved For Galvanized Fittings, Add	6,932.23 1,615.13	135.06
23 21 13 23-1506 EA 18" 45 Degree Elbow, Steel, Grooved For Galvanized Fittings, Add	8,756.42 2,048.45	147.57
23 21 13 23-1507 EA 20" 45 Degree Elbow, Steel, Grooved For Galvanized Fittings, Add	11,446.70 2,691.88	153.73
23 21 13 23-1508 EA 24" 45 Degree Elbow, Steel, Grooved For Galvanized Fittings, Add	16,412.28 3,873.68	181.45
23 21 13 23-1509 22-1/2 Degree Grooved Elbows (23 21 13 23-1470)		
Note: Victaulic No. 12		
23 21 13 23-1510 EA 1" 22-1/2 Degree Elbow, Ductile Iron, Grooved For Galvanized Fittings, Add	106.81 21.97	10.18
23 21 13 23-1511 EA 1-1/4" 22-1/2 Degree Elbow, Ductile Iron, Grooved For Galvanized Fittings, Add	110.62 21.97	12.70
23 21 13 23-1512 EA 1-1/2" 22-1/2 Degree Elbow, Ductile Iron, Grooved For Galvanized Fittings, Add	114.67 21.97	15.40
23 21 13 23-1513 EA 2" 22-1/2 Degree Elbow, Ductile Iron, Grooved For Galvanized Fittings, Add	122.07 21.97	20.35
23 21 13 23-1514 EA 2-1/2" 22-1/2 Degree Elbow, Ductile Iron, Grooved For Galvanized Fittings, Add	128.72 21.97	24.83
23 21 13 23-1515 EA 3" 22-1/2 Degree Elbow, Ductile Iron, Grooved For Galvanized Fittings, Add	178.95 32.14	30.05
23 21 13 23-1516 EA 4" 22-1/2 Degree Elbow, Ductile Iron, Grooved For Galvanized Fittings, Add	239.01 43.09	39.67
23 21 13 23-1517 EA 5" 22-1/2 Degree Elbow, Steel, Grooved For Galvanized Fittings, Add	631.14 133.64	49.56
23 21 13 23-1518 EA 6" 22-1/2 Degree Elbow, Ductile Iron, Grooved For Galvanized Fittings, Add	605.92 122.09	64.87
23 21 13 23-1519 EA 8" 22-1/2 Degree Elbow, Ductile Iron, Grooved For Galvanized Fittings, Add	1,180.09 255.44	77.20
23 21 13 23-1520 EA 10" 22-1/2 Degree Elbow, Steel, Grooved For Galvanized Fittings, Add	1,596.25 350.69	90.07
23 21 13 23-1521 EA 12" 22-1/2 Degree Elbow, Steel, Grooved For Galvanized Fittings, Add	2,137.47 474.10	108.08
23 21 13 23-1522 EA 14" 22-1/2 Degree Elbow, Steel, Grooved For Galvanized Fittings, Add	2,464.61 547.60	121.99
23 21 13 23-1523 EA 16" 22-1/2 Degree Elbow, Steel, Grooved For Galvanized Fittings, Add	2,939.08 656.77	135.06
23 21 13 23-1524 EA 18" 22-1/2 Degree Elbow, Steel, Grooved For Galvanized Fittings, Add	3,535.36 795.40	147.57
23 21 13 23-1525 EA 20" 22-1/2 Degree Elbow, Steel, Grooved For Galvanized Fittings, Add	4,148.34 940.37	153.45
23 21 13 23-1526 EA 24" 22-1/2 Degree Elbow, Steel, Grooved For Galvanized Fittings, Add	5,537.20 1,263.66	181.45
23 21 13 23-1527 11-1/4 Degree Grooved Elbows (23 21 13 23-1470)		
Note: Victaulic No. 13		
23 21 13 23-1528 EA 1" 11-1/4 Degree Elbow, Ductile Iron, Grooved For Galvanized Fittings, Add	106.81 21.97	10.18
23 21 13 23-1529 EA 1-1/4" 11-1/4 Degree Elbow, Ductile Iron, Grooved For Galvanized Fittings, Add	110.62 21.97	12.70
23 21 13 23-1530 EA 1-1/2" 11-1/4 Degree Elbow, Ductile Iron, Grooved For Galvanized Fittings, Add	114.67 21.97	15.40
23 21 13 23-1531 EA 2" 11-1/4 Degree Elbow, Ductile Iron, Grooved For Galvanized Fittings, Add	122.07 21.97	20.35
23 21 13 23-1532 EA 2-1/2" 11-1/4 Degree Elbow, Ductile Iron, Grooved For Galvanized Fittings, Add	128.72 21.97	24.83
23 21 13 23-1533 EA 3" 11-1/4 Degree Elbow, Ductile Iron, Grooved For Galvanized Fittings, Add	178.94 32.14	30.05
23 21 13 23-1534 EA 4" 11-1/4 Degree Elbow, Ductile Iron, Grooved For Galvanized Fittings, Add	239.00 43.09	39.67

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1535 EA 5" 11-1/4 Degree Elbow, Steel, Grooved	631.12	49.56
For Galvanized Fittings, Add	133.63	
23 21 13 23-1536 EA 6" 11-1/4 Degree Elbow, Ductile Iron, Grooved	605.89	64.87
For Galvanized Fittings, Add	122.08	
23 21 13 23-1537 EA 8" 11-1/4 Degree Elbow, Ductile Iron, Grooved	1,180.02	77.20
For Galvanized Fittings, Add	255.42	
23 21 13 23-1538 EA 10" 11-1/4 Degree Elbow, Steel, Grooved	1,596.17	90.07
For Galvanized Fittings, Add	350.67	
23 21 13 23-1539 EA 12" 11-1/4 Degree Elbow, Steel, Grooved	2,137.36	108.08
For Galvanized Fittings, Add	474.07	
23 21 13 23-1540 EA 14" 11-1/4 Degree Elbow, Steel, Grooved	2,464.49	121.99
For Galvanized Fittings, Add	547.57	
23 21 13 23-1541 EA 16" 11-1/4 Degree Elbow, Steel, Grooved	2,938.96	135.15
For Galvanized Fittings, Add	656.73	
23 21 13 23-1542 EA 18" 11-1/4 Degree Elbow, Steel, Grooved	3,535.16	147.57
For Galvanized Fittings, Add	795.36	
23 21 13 23-1543 EA 20" 11-1/4 Degree Elbow, Steel, Grooved	4,148.12	153.45
For Galvanized Fittings, Add	940.32	
23 21 13 23-1544 EA 24" 11-1/4 Degree Elbow, Steel, Grooved	5,536.92	181.45
For Galvanized Fittings, Add	1,263.59	
23 21 13 23-1545 90 Degree Grooved Long Radius Elbows (23 21 13 23-1470)		
Note: Victaulic No. 100		
23 21 13 23-1546 EA 2" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	227.03	20.35
For Galvanized Fittings, Add	47.16	
23 21 13 23-1547 EA 2-1/2" 90 Degree Long Radius Elbow, Steel, Grooved	607.40	24.83
For Galvanized Fittings, Add	136.86	
23 21 13 23-1548 EA 3" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	241.56	30.05
For Galvanized Fittings, Add	47.16	
23 21 13 23-1549 EA 4" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	353.84	39.67
For Galvanized Fittings, Add	70.65	
23 21 13 23-1550 EA 5" 90 Degree Long Radius Elbow, Steel Grooved	1,583.23	49.56
For Galvanized Fittings, Add	362.14	
23 21 13 23-1551 EA 6" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	958.44	64.87
For Galvanized Fittings, Add	206.69	
23 21 13 23-1552 EA 8" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	2,181.49	77.20
For Galvanized Fittings, Add	495.78	
23 21 13 23-1553 EA 10" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	4,418.19	90.07
For Galvanized Fittings, Add	1,027.96	
23 21 13 23-1554 EA 12" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	5,269.71	108.08
For Galvanized Fittings, Add	1,225.84	
23 21 13 23-1555 Grooved Tees, Wyes And Crosses (23 21 13 23-1469)		
23 21 13 23-1556 Grooved Tees (23 21 13 23-1555)		
Note: Victaulic No. 20		
23 21 13 23-1557 EA 3/4" Tee, Ductile Iron, Grooved	151.42	13.35
For Galvanized Fittings, Add	39.41	
23 21 13 23-1558 EA 1" Tee, Ductile Iron, Grooved	154.46	15.40
For Galvanized Fittings, Add	39.41	
23 21 13 23-1559 EA 1-1/4" Tee, Ductile Iron, Grooved	159.60	18.86
For Galvanized Fittings, Add	39.41	
23 21 13 23-1560 EA 1-1/2" Tee, Ductile Iron, Grooved	166.01	23.14
For Galvanized Fittings, Add	39.41	
23 21 13 23-1561 EA 2" Tee, Ductile Iron, Grooved	176.21	29.96
For Galvanized Fittings, Add	39.41	
23 21 13 23-1562 EA 2-1/2" Tee, Ductile Iron, Grooved	186.40	36.69
For Galvanized Fittings, Add	39.41	
23 21 13 23-1563 EA 3" Tee, Ductile Iron, Grooved	251.56	45.09
For Galvanized Fittings, Add	55.20	
23 21 13 23-1564 EA 4" Tee, Ductile Iron, Grooved	369.68	58.34
For Galvanized Fittings, Add	84.68	
23 21 13 23-1565 EA 5" Tee, Ductile Iron, Grooved	776.53	76.26
For Galvanized Fittings, Add	198.66	
23 21 13 23-1566 EA 6" Tee, Ductile Iron, Grooved	908.32	95.39
For Galvanized Fittings, Add	229.60	
23 21 13 23-1567 EA 8" Tee, Ductile Iron, Grooved	1,845.41	115.84
For Galvanized Fittings, Add	501.54	
23 21 13 23-1568 EA 10" Tee, Ductile Iron, Grooved	3,187.89	135.06
For Galvanized Fittings, Add	895.60	
23 21 13 23-1569 EA 12" Tee, Ductile Iron, Grooved	4,422.54	162.13
For Galvanized Fittings, Add	1,253.84	
23 21 13 23-1570 EA 14" Tee, Steel, Grooved	4,829.50	180.15
For Galvanized Fittings, Add	1,367.83	
23 21 13 23-1571 EA 16" Tee, Steel, Grooved	6,079.46	181.17
For Galvanized Fittings, Add	1,742.35	
23 21 13 23-1572 EA 18" Tee, Steel, Grooved	7,572.96	199.84
For Galvanized Fittings, Add	2,182.01	
23 21 13 23-1573 EA 20" Tee, Steel, Grooved	10,725.85	203.02
For Galvanized Fittings, Add	3,126.46	
23 21 13 23-1574 EA 24" Tee, Steel, Grooved	16,386.23	249.41
For Galvanized Fittings, Add	4,803.68	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1575		Grooved Wyes (90 Degree True Wye) (23 21 13 23-1555) Note: Victaulic No. 33		
23 21 13 23-1576	EA	1" Wye, Steel, Grooved.....	577.33	15.40
		For Galvanized Fittings, Add.....	88.68	
23 21 13 23-1577	EA	1-1/4" Wye, Steel, Grooved.....	582.47	18.86
		For Galvanized Fittings, Add.....	88.68	
23 21 13 23-1578	EA	1-1/2" Wye, Steel, Grooved.....	588.88	23.14
		For Galvanized Fittings, Add.....	88.68	
23 21 13 23-1579	EA	2" Wye, Steel, Grooved.....	599.08	29.96
		For Galvanized Fittings, Add.....	88.68	
23 21 13 23-1580	EA	2-1/2" Wye, Steel, Grooved.....	609.27	36.69
		For Galvanized Fittings, Add.....	88.68	
23 21 13 23-1581	EA	3" Wye, Steel, Grooved.....	730.04	45.09
		For Galvanized Fittings, Add.....	106.00	
23 21 13 23-1582	EA	4" Wye, Steel, Grooved.....	955.17	58.34
		For Galvanized Fittings, Add.....	138.84	
23 21 13 23-1583	EA	5" Wye, Steel, Grooved.....	1,358.11	76.26
		For Galvanized Fittings, Add.....	199.00	
23 21 13 23-1584	EA	6" Wye, Steel, Grooved.....	1,681.90	95.39
		For Galvanized Fittings, Add.....	246.23	
23 21 13 23-1585	EA	8" Wye, Steel, Grooved.....	2,390.08	115.84
		For Galvanized Fittings, Add.....	354.63	
23 21 13 23-1586	EA	10" Wye, Steel, Grooved.....	4,028.12	135.06
		For Galvanized Fittings, Add.....	612.09	
23 21 13 23-1587	EA	12" Wye, Steel, Grooved.....	4,469.44	162.13
		For Galvanized Fittings, Add.....	676.22	
23 21 13 23-1588	EA	14" Wye, Steel, Grooved.....	5,096.12	180.15
		For Galvanized Fittings, Add.....	772.17	
23 21 13 23-1589	EA	16" Wye, Steel, Grooved.....	6,539.75	180.98
		For Galvanized Fittings, Add.....	1,002.95	
23 21 13 23-1590	EA	18" Wye, Steel, Grooved.....	7,470.24	200.02
		For Galvanized Fittings, Add.....	1,147.25	
23 21 13 23-1591	EA	20" Wye, Steel, Grooved.....	10,703.24	202.63
		For Galvanized Fittings, Add.....	1,663.90	
23 21 13 23-1592	EA	24" Wye, Steel, Grooved.....	16,542.11	249.41
		For Galvanized Fittings, Add.....	2,586.90	
23 21 13 23-1593		Grooved Crosses (23 21 13 23-1555) Note: Victaulic No. 35		
23 21 13 23-1594	EA	3/4" Cross, Steel, Grooved.....	388.92	20.07
		For Galvanized Fittings, Add.....	53.82	
23 21 13 23-1595	EA	1" Cross, Steel, Grooved.....	393.48	23.14
		For Galvanized Fittings, Add.....	53.82	
23 21 13 23-1596	EA	1-1/4" Cross, Steel, Grooved.....	475.43	28.29
		For Galvanized Fittings, Add.....	64.96	
23 21 13 23-1597	EA	1-1/2" Cross, Steel, Grooved.....	518.64	34.72
		For Galvanized Fittings, Add.....	70.00	
23 21 13 23-1598	EA	2" Cross, Steel, Grooved.....	331.00	44.90
		For Galvanized Fittings, Add.....	39.56	
23 21 13 23-1599	EA	2-1/2" Cross, Steel, Grooved.....	346.29	55.07
		For Galvanized Fittings, Add.....	39.56	
23 21 13 23-1600	EA	3" Cross, Steel, Grooved.....	575.23	67.58
		For Galvanized Fittings, Add.....	71.08	
23 21 13 23-1601	EA	4" Cross, Steel, Grooved.....	920.00	87.46
		For Galvanized Fittings, Add.....	118.33	
23 21 13 23-1602	EA	5" Cross, Steel, Grooved.....	1,783.07	114.34
		For Galvanized Fittings, Add.....	241.74	
23 21 13 23-1603	EA	6" Cross, Steel, Grooved.....	2,287.92	143.09
		For Galvanized Fittings, Add.....	311.02	
23 21 13 23-1604	EA	8" Cross, Steel, Grooved.....	2,991.17	173.70
		For Galvanized Fittings, Add.....	409.61	
23 21 13 23-1605	EA	10" Cross, Steel, Grooved.....	4,961.26	202.63
		For Galvanized Fittings, Add.....	698.61	
23 21 13 23-1606	EA	12" Cross, Steel, Grooved.....	7,085.64	243.24
		For Galvanized Fittings, Add.....	1,008.15	
23 21 13 23-1607	EA	14" Cross, Steel, Grooved.....	7,368.45	270.22
		For Galvanized Fittings, Add.....	1,044.50	
23 21 13 23-1608	EA	16" Cross, Steel, Grooved.....	9,516.60	271.80
		For Galvanized Fittings, Add.....	1,366.37	
23 21 13 23-1609	EA	18" Cross, Steel, Grooved.....	11,615.02	299.72
		For Galvanized Fittings, Add.....	1,674.85	
23 21 13 23-1610	EA	20" Cross, Steel, Grooved.....	16,274.98	304.38
		For Galvanized Fittings, Add.....	2,372.79	
23 21 13 23-1611	EA	24" Cross, Steel, Grooved.....	24,981.35	374.10
		For Galvanized Fittings, Add.....	3,663.06	
23 21 13 23-1612		Grooved Reducing Tees (23 21 13 23-1555) Note: Victaulic No. 25		
23 21 13 23-1613	EA	1" Reducing Tee, Steel, Grooved.....	276.56	15.40
		For Galvanized Fittings, Add.....	50.69	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1614	EA	1-1/4" Reducing Tee, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	289.66 52.28	18.86
23 21 13 23-1615	EA	1-1/2" Reducing Tee, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	302.58 53.58	23.14
23 21 13 23-1616	EA	2" Reducing Tee, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	358.52 62.73	29.96
23 21 13 23-1617	EA	2-1/2" Reducing Tee, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	400.99 69.19	36.69
23 21 13 23-1618	EA	3" Reducing Tee, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	446.20 75.73	45.09
23 21 13 23-1619	EA	4" Reducing Tee, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	598.09 102.13	58.34
23 21 13 23-1620	EA	5" Reducing Tee, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	788.62 134.86	76.26
23 21 13 23-1621	EA	6" Reducing Tee, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	1,091.54 189.71	95.39
23 21 13 23-1622	EA	8" Reducing Tee, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	1,738.73 313.02	115.84
23 21 13 23-1623	EA	10" Reducing Tee, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	2,509.85 461.46	135.06
23 21 13 23-1624	EA	12" Reducing Tee, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	3,646.72 680.73	162.13
23 21 13 23-1625	EA	14" Reducing Tee, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	4,135.89 773.16	180.15
23 21 13 23-1626	EA	16" Reducing Tee, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	5,293.24 1,004.32	181.17
23 21 13 23-1627	EA	18" Reducing Tee, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	6,447.24 1,229.54	199.84
23 21 13 23-1628	EA	20" Reducing Tee, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	9,096.54 1,758.46	202.92
23 21 13 23-1629	EA	24" Reducing Tee, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	14,536.55 2,832.52	249.41
23 21 13 23-1630		Grooved 45 Degree Lateral Wyes (23 21 13 23-1555) Note: Victaulic No. 30		
23 21 13 23-1631	EA	3/4" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	544.92 94.47	13.35
23 21 13 23-1632	EA	1" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	547.96 94.47	15.40
23 21 13 23-1633	EA	1-1/4" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	553.10 94.47	18.86
23 21 13 23-1634	EA	1-1/2" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	559.51 94.47	23.14
23 21 13 23-1635	EA	2" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	569.71 94.47	29.96
23 21 13 23-1636	EA	2-1/2" Wye, 45 Degree Lateral, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	579.90 94.47	36.69
23 21 13 23-1637	EA	3" Wye, 45 Degree Lateral, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	520.98 81.62	45.09
23 21 13 23-1638	EA	3-1/2" Wye, 45 Degree Lateral, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	846.10 138.28	51.99
23 21 13 23-1639	EA	4" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	981.66 160.96	58.34
23 21 13 23-1640	EA	5" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	1,421.20 235.24	76.26
23 21 13 23-1641	EA	6" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	2,248.59 379.01	95.39
23 21 13 23-1642	EA	8" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	3,206.46 545.91	115.84
23 21 13 23-1643	EA	10" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	4,483.34 770.54	135.06
23 21 13 23-1644	EA	12" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	5,418.74 931.62	162.13
23 21 13 23-1645	EA	14" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	7,824.30 1,359.76	180.15
23 21 13 23-1646	EA	16" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	9,708.90 1,698.71	181.17
23 21 13 23-1647	EA	18" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	10,849.25 1,898.95	199.84
23 21 13 23-1648	EA	20" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	16,306.37 2,880.39	202.92
23 21 13 23-1649	EA	24" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	25,240.09 4,475.90	249.41
23 21 13 23-1650		Grooved 45 Degree Lateral Reducing Wyes (23 21 13 23-1555) Note: Victaulic No. 30R		
23 21 13 23-1651	EA	3" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	520.98 58.95	45.09
23 21 13 23-1652	EA	4" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	981.66 116.25	58.34
23 21 13 23-1653	EA	5" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	1,421.20 169.89	76.26

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1654 EA 6" 45 Degree Lateral Reducing Wye, Steel, Grooved	1,831.47	95.39
For Galvanized Fittings, Add	219.50	
23 21 13 23-1655 EA 8" 45 Degree Lateral Reducing Wye, Steel, Grooved	2,611.10	115.84
For Galvanized Fittings, Add	316.87	
23 21 13 23-1656 EA 10" 45 Degree Lateral Reducing Wye, Steel, Grooved	3,187.77	135.06
For Galvanized Fittings, Add	388.08	
23 21 13 23-1657 EA 12" 45 Degree Lateral Reducing Wye, Steel, Grooved	3,870.85	162.13
For Galvanized Fittings, Add	471.61	
23 21 13 23-1658 EA 14" 45 Degree Lateral Reducing Wye, Steel, Grooved	4,334.11	180.15
For Galvanized Fittings, Add	528.32	
23 21 13 23-1659 EA 16" 45 Degree Lateral Reducing Wye, Steel, Grooved	5,524.77	181.17
For Galvanized Fittings, Add	682.91	
23 21 13 23-1660 EA 18" 45 Degree Lateral Reducing Wye, Steel, Grooved	8,365.72	199.84
For Galvanized Fittings, Add	1,048.60	
23 21 13 23-1661 EA 20" 45 Degree Lateral Reducing Wye, Steel, Grooved	12,111.01	202.92
For Galvanized Fittings, Add	1,534.88	
23 21 13 23-1662 EA 24" 45 Degree Lateral Reducing Wye, Steel, Grooved	19,489.58	249.41
For Galvanized Fittings, Add	2,485.03	
23 21 13 23-1663 Mechanical-T Outlet (23 21 13 23-1555)		
Note: Includes making opening in pipe. Grooved or treaded branch outlets. Victaulic Styles 920 or 921.		
23 21 13 23-1664 EA 2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	154.48	33.60
For Galvanized Fittings, Add	21.65	
23 21 13 23-1665 EA 2" x 1" Mechanical-T Outlet With Threaded Branch Outlet	154.48	33.60
For Galvanized Fittings, Add	21.65	
23 21 13 23-1666 EA 2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	168.11	33.60
For Galvanized Fittings, Add	25.03	
23 21 13 23-1667 EA 2" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	168.11	33.60
23 21 13 23-1668 EA 2-1/2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	162.88	37.81
23 21 13 23-1669 EA 2-1/2" x 1" Mechanical-T Outlet With Threaded Branch Outlet	162.88	37.81
23 21 13 23-1670 EA 2-1/2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	198.86	37.81
23 21 13 23-1671 EA 3" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	184.51	42.00
23 21 13 23-1672 EA 3" x 1" Mechanical-T Outlet With Threaded Branch Outlet	184.51	42.00
23 21 13 23-1673 EA 3" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	213.47	42.00
23 21 13 23-1674 EA 3" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	213.47	42.00
23 21 13 23-1675 EA 3" x 2" Mechanical-T Outlet With Threaded Branch Outlet	233.31	42.00
23 21 13 23-1676 EA 4" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	240.16	56.01
23 21 13 23-1677 EA 4" x 1" Mechanical-T Outlet With Threaded Branch Outlet	240.16	56.01
23 21 13 23-1678 EA 4" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	262.77	56.01
23 21 13 23-1679 EA 4" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	269.12	56.01
23 21 13 23-1680 EA 4" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	269.12	56.01
23 21 13 23-1681 EA 4" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	275.47	56.01
23 21 13 23-1682 EA 4" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	287.64	56.01
23 21 13 23-1683 EA 5" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	346.96	77.00
23 21 13 23-1684 EA 5" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	346.96	77.00
23 21 13 23-1685 EA 5" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	357.94	77.00
23 21 13 23-1686 EA 5" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	371.69	77.00
23 21 13 23-1687 EA 6" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	393.46	98.01
23 21 13 23-1688 EA 6" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	393.46	98.01
23 21 13 23-1689 EA 6" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	409.59	98.01
23 21 13 23-1690 EA 6" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	423.22	98.01
23 21 13 23-1691 EA 6" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet	447.42	98.01
23 21 13 23-1692 EA 8" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	608.88	129.74
23 21 13 23-1693 EA 8" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	608.88	129.74
23 21 13 23-1694 EA 8" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	628.33	129.74
23 21 13 23-1695 EA 8" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet	639.83	129.74
23 21 13 23-1696 Installation-Ready™ Grooved Fittings (23 21 13 23-1469)		
23 21 13 23-1697 Installation-Ready™ 90 Degree Grooved Elbows (23 21 13 23-1696)		
Note: Victaulic No. 101		
23 21 13 23-1698 EA 1-1/4" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	171.79	9.24
For Galvanized Fittings, Add	52.07	
For Galvanized Fittings, Add	40.39	
23 21 13 23-1699 EA 1-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	179.23	11.09
For Galvanized Fittings, Add	53.60	
For Galvanized Fittings, Add	41.58	
23 21 13 23-1700 EA 2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	185.99	14.78
For Galvanized Fittings, Add	53.98	
For Galvanized Fittings, Add	41.88	
23 21 13 23-1701 EA 2-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	225.23	18.48
For Galvanized Fittings, Add	65.09	
For Galvanized Fittings, Add	50.49	
23 21 13 23-1702 Installation-Ready™ 45 Degree Grooved Elbows (23 21 13 23-1696)		
Note: Victaulic No. 103		
23 21 13 23-1703 EA 1-1/4" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	171.79	9.24
For Galvanized Fittings, Add	37.87	
For Galvanized Fittings, Add	40.39	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1704 EA 1-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow For Galvanized Fittings, Add For Galvanized Fittings, Add	179.23 38.98 41.58	11.09
23 21 13 23-1705 EA 2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow For Galvanized Fittings, Add For Galvanized Fittings, Add	185.99 39.26 41.88	14.78
23 21 13 23-1706 EA 2-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow For Galvanized Fittings, Add For Galvanized Fittings, Add	225.23 47.34 50.49	18.48
23 21 13 23-1707 Installation-Ready™ Grooved Tees (23 21 13 23-1696) Note: Victaulic No. 102		
23 21 13 23-1708 EA 1-1/4" Ductile Iron, Grooved, Installation-Ready™ Tee For Galvanized Fittings, Add For Galvanized Fittings, Add	262.31 73.09 62.37	12.32
23 21 13 23-1709 EA 1-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee For Galvanized Fittings, Add For Galvanized Fittings, Add	274.16 75.53 64.45	14.78
23 21 13 23-1710 EA 2" Ductile Iron, Grooved, Installation-Ready™ Tee For Galvanized Fittings, Add For Galvanized Fittings, Add	285.11 76.57 65.34	19.71
23 21 13 23-1711 EA 2-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee For Galvanized Fittings, Add For Galvanized Fittings, Add	332.02 88.41 75.44	24.65
23 21 13 23-1712 Grooved Fittings (23 21 13 23-1469)		
23 21 13 23-1713 Flanged Adapter Nipple, Grooved (23 21 13 23-1712) Note: Victaulic No. 41 and 45		
23 21 13 23-1714 EA 1" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 For Galvanized Fittings, Add For 300 LB Rating, Add	386.17 66.49 55.41	11.20
23 21 13 23-1715 EA 1-1/4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 For Galvanized Fittings, Add For 300 LB Rating, Add	388.04 66.49 55.41	12.41
23 21 13 23-1716 EA 1-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 For Galvanized Fittings, Add For 300 LB Rating, Add	392.71 66.49 55.41	15.59
23 21 13 23-1717 EA 2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 For Galvanized Fittings, Add For 300 LB Rating, Add	402.53 66.49 55.41	22.12
23 21 13 23-1718 EA 2-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 For Galvanized Fittings, Add For 300 LB Rating, Add	409.54 66.49 55.41	26.78
23 21 13 23-1719 EA 3" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 For Galvanized Fittings, Add For 300 LB Rating, Add	520.57 85.07 70.89	32.02
23 21 13 23-1720 EA 4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 For Galvanized Fittings, Add For 300 LB Rating, Add	628.28 101.46 84.55	43.12
23 21 13 23-1721 EA 5" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 For Galvanized Fittings, Add For 300 LB Rating, Add	883.65 144.98 120.81	52.18
23 21 13 23-1722 EA 6" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 For Galvanized Fittings, Add For 300 LB Rating, Add	1,024.64 165.41 137.84	70.47
23 21 13 23-1723 EA 8" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 For Galvanized Fittings, Add For 300 LB Rating, Add	1,411.45 228.32 190.27	95.39
23 21 13 23-1724 EA 10" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 For Galvanized Fittings, Add For 300 LB Rating, Add	2,243.57 372.59 310.49	115.84
23 21 13 23-1725 EA 12" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 For Galvanized Fittings, Add For 300 LB Rating, Add	3,032.82 509.45 424.54	135.06
23 21 13 23-1726 EA 14" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 For Galvanized Fittings, Add For 300 LB Rating, Add	3,580.72 600.78 500.65	162.13
23 21 13 23-1727 EA 16" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 For Galvanized Fittings, Add For 300 LB Rating, Add	5,410.13 925.21 771.01	180.15
23 21 13 23-1728 EA 18" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 For Galvanized Fittings, Add For 300 LB Rating, Add	6,442.52 1,086.73 905.61	270.22
23 21 13 23-1729 EA 20" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 For Galvanized Fittings, Add For 300 LB Rating, Add	6,779.08 1,132.73 943.94	324.26
23 21 13 23-1730 EA 24" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 For Galvanized Fittings, Add For 300 LB Rating, Add	11,396.25 1,954.10 1,628.41	360.29

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1731		Grooved Concentric Reducers (23 21 13 23-1712) Note: Victaulic No. 50		
23 21 13 23-1732	EA	1-1/4" x 3/4" Concentric Reducer, Grooved	410.77	11.20
		For Galvanized Fittings, Add	17.33	
23 21 13 23-1733	EA	1-1/4" x 1" Concentric Reducer, Grooved	429.47	11.85
		For Galvanized Fittings, Add	18.12	
23 21 13 23-1734	EA	1-1/2" x 3/4" Concentric Reducer, Grooved	484.13	12.79
		For Galvanized Fittings, Add	55.89	
23 21 13 23-1735	EA	1-1/2" x 1" Concentric Reducer, Grooved	119.65	13.35
		For Galvanized Fittings, Add	11.97	
23 21 13 23-1736	EA	1-1/2" x 1-1/4" Concentric Reducer, Grooved	406.43	14.00
		For Galvanized Fittings, Add	46.33	
23 21 13 23-1737	EA	2" x 3/4" Concentric Reducer, Grooved	122.45	15.22
		For Galvanized Fittings, Add	11.97	
23 21 13 23-1738	EA	2" x 1" Concentric Reducer, Grooved	123.38	15.87
		For Galvanized Fittings, Add	11.97	
23 21 13 23-1739	EA	2" x 1-1/4" Concentric Reducer, Grooved	134.32	16.52
		For Galvanized Fittings, Add	13.17	
23 21 13 23-1740	EA	2" x 1-1/2" Concentric Reducer, Grooved	127.17	18.38
		For Galvanized Fittings, Add	11.97	
23 21 13 23-1741	EA	2-1/2" x 3/4" Concentric Reducer, Grooved	836.18	17.17
		For Galvanized Fittings, Add	97.41	
23 21 13 23-1742	EA	2-1/2" x 1" Concentric Reducer, Grooved	662.41	17.83
		For Galvanized Fittings, Add	76.42	
23 21 13 23-1743	EA	2-1/2" x 1-1/4" Concentric Reducer, Grooved	603.09	18.38
		For Galvanized Fittings, Add	69.18	
23 21 13 23-1744	EA	2-1/2" x 1-1/2" Concentric Reducer, Grooved	129.91	20.26
		For Galvanized Fittings, Add	11.97	
23 21 13 23-1745	EA	2-1/2" x 2" Concentric Reducer, Grooved	133.64	22.68
		For Galvanized Fittings, Add	11.97	
23 21 13 23-1746	EA	3" x 3/4" Concentric Reducer, Grooved	845.60	19.98
		For Galvanized Fittings, Add	123.98	
23 21 13 23-1747	EA	3" x 1" Concentric Reducer, Grooved	140.73	20.53
		For Galvanized Fittings, Add	16.72	
23 21 13 23-1748	EA	3" x 1-1/4" Concentric Reducer, Grooved	663.51	21.19
		For Galvanized Fittings, Add	96.03	
23 21 13 23-1749	EA	3" x 1-1/2" Concentric Reducer, Grooved	621.13	22.68
		For Galvanized Fittings, Add	89.23	
23 21 13 23-1750	EA	3" x 2" Concentric Reducer, Grooved	125.15	25.20
		For Galvanized Fittings, Add	13.28	
23 21 13 23-1751	EA	3" x 2-1/2" Concentric Reducer, Grooved	165.40	30.05
		For Galvanized Fittings, Add	18.29	
23 21 13 23-1752	EA	3-1/2" x 3" Concentric Reducer, Grooved	176.79	32.39
		For Galvanized Fittings, Add	19.49	
23 21 13 23-1753	EA	4" x 1" Concentric Reducer, Grooved	170.47	25.48
		For Galvanized Fittings, Add	22.67	
23 21 13 23-1754	EA	4" x 1-1/4" Concentric Reducer, Grooved	1,084.31	26.14
		For Galvanized Fittings, Add	179.23	
23 21 13 23-1755	EA	4" x 1-1/2" Concentric Reducer, Grooved	840.54	27.72
		For Galvanized Fittings, Add	137.03	
23 21 13 23-1756	EA	4" x 2" Concentric Reducer, Grooved	161.56	30.24
		For Galvanized Fittings, Add	19.94	
23 21 13 23-1757	EA	4" x 2-1/2" Concentric Reducer, Grooved	194.30	32.39
		For Galvanized Fittings, Add	25.00	
23 21 13 23-1758	EA	4" x 3" Concentric Reducer, Grooved	198.03	34.91
		For Galvanized Fittings, Add	25.00	
23 21 13 23-1759	EA	4" x 3-1/2" Concentric Reducer, Grooved	201.76	37.33
		For Galvanized Fittings, Add	25.00	
23 21 13 23-1760	EA	5" x 2" Concentric Reducer, Grooved	1,523.52	35.18
		For Galvanized Fittings, Add	252.24	
23 21 13 23-1761	EA	5" x 2-1/2" Concentric Reducer, Grooved	1,197.14	37.33
		For Galvanized Fittings, Add	195.70	
23 21 13 23-1762	EA	5" x 3" Concentric Reducer, Grooved	230.35	39.85
		For Galvanized Fittings, Add	29.26	
23 21 13 23-1763	EA	5" x 4" Concentric Reducer, Grooved	270.97	44.80
		For Galvanized Fittings, Add	34.94	
23 21 13 23-1764	EA	6" x 1" Concentric Reducer, Grooved	327.93	37.99
		For Galvanized Fittings, Add	50.56	
23 21 13 23-1765	EA	6" x 1-1/2" Concentric Reducer, Grooved	1,606.61	40.14
		For Galvanized Fittings, Add	288.56	
23 21 13 23-1766	EA	6" x 2" Concentric Reducer, Grooved	334.91	42.66
		For Galvanized Fittings, Add	50.56	
23 21 13 23-1767	EA	6" x 2-1/2" Concentric Reducer, Grooved	1,622.44	44.80
		For Galvanized Fittings, Add	290.21	
23 21 13 23-1768	EA	6" x 3" Concentric Reducer, Grooved	341.92	47.33
		For Galvanized Fittings, Add	50.56	
23 21 13 23-1769	EA	6" x 4" Concentric Reducer, Grooved	314.40	52.27
		For Galvanized Fittings, Add	44.04	
23 21 13 23-1770	EA	6" x 5" Concentric Reducer, Grooved	435.00	57.31
		For Galvanized Fittings, Add	65.14	
23 21 13 23-1771	EA	8" x 3" Concentric Reducer, Grooved	564.48	53.58
		For Galvanized Fittings, Add	90.35	
23 21 13 23-1772	EA	8" x 4" Concentric Reducer, Grooved	571.93	58.52
		For Galvanized Fittings, Add	90.35	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1773	EA	8" x 5" Concentric Reducer, Grooved	579.42	63.47
		For Galvanized Fittings, Add	90.35	
23 21 13 23-1774	EA	8" x 6" Concentric Reducer, Grooved	723.87	70.93
		For Galvanized Fittings, Add	115.22	
23 21 13 23-1775	EA	10" x 4" Concentric Reducer, Grooved	1,250.40	65.05
		For Galvanized Fittings, Add	215.12	
23 21 13 23-1776	EA	10" x 5" Concentric Reducer, Grooved	2,646.29	70.01
		For Galvanized Fittings, Add	474.20	
23 21 13 23-1777	EA	10" x 6" Concentric Reducer, Grooved	1,376.91	77.47
		For Galvanized Fittings, Add	235.25	
23 21 13 23-1778	EA	10" x 8" Concentric Reducer, Grooved	1,386.22	83.73
		For Galvanized Fittings, Add	235.25	
23 21 13 23-1779	EA	12" x 4" Concentric Reducer, Grooved	3,927.38	74.11
		For Galvanized Fittings, Add	572.45	
23 21 13 23-1780	EA	12" x 6" Concentric Reducer, Grooved	1,633.37	86.52
		For Galvanized Fittings, Add	225.55	
23 21 13 23-1781	EA	12" x 8" Concentric Reducer, Grooved	2,397.78	92.78
		For Galvanized Fittings, Add	338.81	
23 21 13 23-1782	EA	12" x 10" Concentric Reducer, Grooved	2,407.64	99.31
		For Galvanized Fittings, Add	338.81	
23 21 13 23-1783	EA	14" x 6" Concentric Reducer, Grooved	7,803.61	93.25
		For Galvanized Fittings, Add	235.28	
23 21 13 23-1784	EA	14" x 8" Concentric Reducer, Grooved	4,647.56	99.50
		For Galvanized Fittings, Add	138.10	
23 21 13 23-1785	EA	14" x 10" Concentric Reducer, Grooved	3,957.12	106.04
		For Galvanized Fittings, Add	116.60	
23 21 13 23-1786	EA	14" x 12" Concentric Reducer, Grooved	3,970.62	114.99
		For Galvanized Fittings, Add	116.60	
23 21 13 23-1787	EA	16" x 8" Concentric Reducer, Grooved	7,090.01	106.13
		For Galvanized Fittings, Add	212.78	
23 21 13 23-1788	EA	16" x 10" Concentric Reducer, Grooved	6,576.93	112.66
		For Galvanized Fittings, Add	196.72	
23 21 13 23-1789	EA	16" x 12" Concentric Reducer, Grooved	6,077.92	121.72
		For Galvanized Fittings, Add	180.99	
23 21 13 23-1790	EA	16" x 14" Concentric Reducer, Grooved	6,088.00	128.43
		For Galvanized Fittings, Add	180.99	
23 21 13 23-1791	EA	18" x 10" Concentric Reducer, Grooved	9,226.80	118.91
		For Galvanized Fittings, Add	277.79	
23 21 13 23-1792	EA	18" x 12" Concentric Reducer, Grooved	8,350.40	127.88
		For Galvanized Fittings, Add	250.47	
23 21 13 23-1793	EA	18" x 14" Concentric Reducer, Grooved	7,587.84	134.60
		For Galvanized Fittings, Add	226.75	
23 21 13 23-1794	EA	18" x 16" Concentric Reducer, Grooved	7,597.92	141.41
		For Galvanized Fittings, Add	226.75	
23 21 13 23-1795	EA	20" x 10" Concentric Reducer, Grooved	10,157.35	121.99
		For Galvanized Fittings, Add	306.22	
23 21 13 23-1796	EA	20" x 12" Concentric Reducer, Grooved	8,700.38	131.05
		For Galvanized Fittings, Add	261.07	
23 21 13 23-1797	EA	20" x 14" Concentric Reducer, Grooved	8,710.47	137.77
		For Galvanized Fittings, Add	261.07	
23 21 13 23-1798	EA	20" x 16" Concentric Reducer, Grooved	7,760.95	144.40
		For Galvanized Fittings, Add	231.62	
23 21 13 23-1799	EA	20" x 18" Concentric Reducer, Grooved	8,271.16	150.65
		For Galvanized Fittings, Add	246.99	
23 21 13 23-1800	EA	24" x 10" Concentric Reducer, Grooved	22,430.17	135.71
		For Galvanized Fittings, Add	682.36	
23 21 13 23-1801	EA	24" x 12" Concentric Reducer, Grooved	21,906.98	144.77
		For Galvanized Fittings, Add	665.88	
23 21 13 23-1802	EA	24" x 14" Concentric Reducer, Grooved	19,084.79	151.40
		For Galvanized Fittings, Add	578.93	
23 21 13 23-1803	EA	24" x 16" Concentric Reducer, Grooved	19,094.94	158.21
		For Galvanized Fittings, Add	578.93	
23 21 13 23-1804	EA	24" x 18" Concentric Reducer, Grooved	16,342.60	164.37
		For Galvanized Fittings, Add	494.15	
23 21 13 23-1805	EA	24" x 20" Concentric Reducer, Grooved	14,921.58	167.54
		For Galvanized Fittings, Add	450.38	

23 21 13 23-1806 Grooved Eccentric Reducers (23 21 13 23-1712)

Note: Victaulic No. 51

23 21 13 23-1807	EA	1-1/2" x 3/4" Eccentric Reducer, Grooved	500.18	12.79
		For Galvanized Fittings, Add	57.82	
23 21 13 23-1808	EA	1-1/2" x 1" Eccentric Reducer, Grooved	454.29	13.35
		For Galvanized Fittings, Add	52.19	
23 21 13 23-1809	EA	1-1/2" x 1-1/4" Eccentric Reducer, Grooved	445.76	14.00
		For Galvanized Fittings, Add	51.05	
23 21 13 23-1810	EA	2" x 3/4" Eccentric Reducer, Grooved	957.61	15.22
		For Galvanized Fittings, Add	112.36	
23 21 13 23-1811	EA	2" x 1" Eccentric Reducer, Grooved	503.27	15.87
		For Galvanized Fittings, Add	57.63	
23 21 13 23-1812	EA	2" x 1-1/4" Eccentric Reducer, Grooved	550.38	16.52
		For Galvanized Fittings, Add	63.18	
23 21 13 23-1813	EA	2" x 1-1/2" Eccentric Reducer, Grooved	467.60	18.38
		For Galvanized Fittings, Add	52.89	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1814	EA	2-1/2" x 3/4" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	1,245.94 146.67	17.17
23 21 13 23-1815	EA	2-1/2" x 1" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	1,163.46 136.64	17.83
23 21 13 23-1816	EA	2-1/2" x 1-1/4" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	687.80 79.36	18.38
23 21 13 23-1817	EA	2-1/2" x 1-1/2" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	553.47 62.88	20.26
23 21 13 23-1818	EA	2-1/2" x 2" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	244.79 25.33	22.68
23 21 13 23-1819	EA	3" x 1" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	1,250.16 146.57	20.53
23 21 13 23-1820	EA	3" x 1-1/4" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	1,135.61 132.69	21.19
23 21 13 23-1821	EA	3" x 1-1/2" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	639.16 72.73	22.68
23 21 13 23-1822	EA	3" x 2" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	279.98 29.11	25.20
23 21 13 23-1823	EA	3" x 2-1/2" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	287.21 29.11	30.05
23 21 13 23-1824	EA	3-1/2" x 3" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	1,388.30 161.04	32.39
23 21 13 23-1825	EA	4" x 1" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	2,509.95 423.89	25.48
23 21 13 23-1826	EA	4" x 1-1/2" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	1,536.40 256.37	27.72
23 21 13 23-1827	EA	4" x 2" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	341.38 50.78	30.24
23 21 13 23-1828	EA	4" x 2-1/2" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	344.65 50.78	32.39
23 21 13 23-1829	EA	4" x 3" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	348.38 50.78	34.91
23 21 13 23-1830	EA	5" x 2" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	1,701.10 282.69	35.18
23 21 13 23-1831	EA	5" x 2-1/2" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	1,460.36 240.85	37.33
23 21 13 23-1832	EA	5" x 3" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	1,416.21 232.63	39.85
23 21 13 23-1833	EA	5" x 4" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	470.52 69.17	44.80
23 21 13 23-1834	EA	6" x 1" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	2,619.40 478.15	37.99
23 21 13 23-1835	EA	6" x 2" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	2,400.78 436.06	42.66
23 21 13 23-1836	EA	6" x 2-1/2" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	2,849.86 519.24	44.80
23 21 13 23-1837	EA	6" x 3" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	607.90 100.20	47.33
23 21 13 23-1838	EA	6" x 4" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	548.41 87.70	52.27
23 21 13 23-1839	EA	6" x 5" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	649.68 105.20	57.31
23 21 13 23-1840	EA	8" x 3" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	2,795.44 506.65	53.58
23 21 13 23-1841	EA	8" x 4" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	2,460.61 442.78	58.52
23 21 13 23-1842	EA	8" x 5" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	2,304.47 412.25	63.47
23 21 13 23-1843	EA	8" x 6" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	1,059.44 177.84	70.93
23 21 13 23-1844	EA	10" x 4" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	4,451.88 812.52	65.05
23 21 13 23-1845	EA	10" x 5" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	4,207.43 765.51	70.01
23 21 13 23-1846	EA	10" x 6" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	3,209.83 577.27	77.47
23 21 13 23-1847	EA	10" x 8" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	2,743.87 488.58	83.73
23 21 13 23-1848	EA	12" x 4" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	4,538.66 668.12	74.11
23 21 13 23-1849	EA	12" x 6" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	4,262.51 623.64	86.52
23 21 13 23-1850	EA	12" x 8" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	4,166.10 607.68	92.78
23 21 13 23-1851	EA	12" x 10" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	3,755.95 544.30	99.31
23 21 13 23-1852	EA	14" x 6" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	10,567.58 320.13	93.25
23 21 13 23-1853	EA	14" x 8" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	6,815.90 204.67	99.50
23 21 13 23-1854	EA	14" x 10" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	6,505.23 194.83	106.04
23 21 13 23-1855	EA	14" x 12" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	6,518.73 194.83	114.99

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1856 EA 16" x 8" Eccentric Reducer, Grooved.....	11,675.32	106.13
For Galvanized Fittings, Add	353.55	
23 21 13 23-1857 EA 16" x 10" Eccentric Reducer, Grooved.....	10,810.76	112.66
For Galvanized Fittings, Add	326.70	
23 21 13 23-1858 EA 16" x 12" Eccentric Reducer, Grooved.....	10,181.91	121.72
For Galvanized Fittings, Add	306.98	
23 21 13 23-1859 EA 16" x 14" Eccentric Reducer, Grooved.....	10,191.99	128.43
For Galvanized Fittings, Add	306.98	
23 21 13 23-1860 EA 18" x 10" Eccentric Reducer, Grooved.....	14,652.14	118.91
For Galvanized Fittings, Add	444.35	
23 21 13 23-1861 EA 18" x 12" Eccentric Reducer, Grooved.....	13,782.71	127.88
For Galvanized Fittings, Add	417.24	
23 21 13 23-1862 EA 18" x 14" Eccentric Reducer, Grooved.....	12,549.88	134.60
For Galvanized Fittings, Add	379.08	
23 21 13 23-1863 EA 18" x 16" Eccentric Reducer, Grooved.....	12,559.96	141.41
For Galvanized Fittings, Add	379.08	
23 21 13 23-1864 EA 20" x 10" Eccentric Reducer, Grooved.....	19,256.01	121.99
For Galvanized Fittings, Add	585.55	
23 21 13 23-1865 EA 20" x 12" Eccentric Reducer, Grooved.....	14,304.61	131.05
For Galvanized Fittings, Add	433.12	
23 21 13 23-1866 EA 20" x 14" Eccentric Reducer, Grooved.....	13,432.71	137.77
For Galvanized Fittings, Add	406.04	
23 21 13 23-1867 EA 20" x 16" Eccentric Reducer, Grooved.....	13,228.64	144.40
For Galvanized Fittings, Add	399.47	
23 21 13 23-1868 EA 20" x 18" Eccentric Reducer, Grooved.....	12,739.52	150.65
For Galvanized Fittings, Add	384.17	
23 21 13 23-1869 EA 24" x 12" Eccentric Reducer, Grooved.....	27,827.83	144.77
For Galvanized Fittings, Add	847.65	
23 21 13 23-1870 EA 24" x 14" Eccentric Reducer, Grooved.....	23,759.28	151.40
For Galvanized Fittings, Add	722.44	
23 21 13 23-1871 EA 24" x 16" Eccentric Reducer, Grooved.....	23,769.43	158.21
For Galvanized Fittings, Add	722.44	
23 21 13 23-1872 EA 24" x 18" Eccentric Reducer, Grooved.....	22,442.89	164.37
For Galvanized Fittings, Add	681.43	
23 21 13 23-1873 EA 24" x 20" Eccentric Reducer, Grooved.....	20,506.61	167.54
For Galvanized Fittings, Add	621.84	
23 21 13 23-1874 Close Nipple, Grooved (23 21 13 23-1712)		
Note: Victaulic No. 143		
23 21 13 23-1875 EA 1-1/4" Ductile Iron, Grooved, Close Nipple.....	44.58	12.32
For Galvanized Fittings, Add	4.66	
For 300 LB Rating, Add	3.89	
For Galvanized Fittings, Add	6.63	
23 21 13 23-1876 EA 1-1/2" Ductile Iron, Grooved, Close Nipple.....	51.57	15.40
For Galvanized Fittings, Add	5.08	
For 300 LB Rating, Add	4.23	
For Galvanized Fittings, Add	7.23	
23 21 13 23-1877 EA 2" Ductile Iron, Grooved, Close Nipple.....	64.83	20.33
For Galvanized Fittings, Add	6.13	
For 300 LB Rating, Add	5.10	
For Galvanized Fittings, Add	8.71	
23 21 13 23-1878 EA 2-1/2" Ductile Iron, Grooved, Close Nipple.....	77.55	24.65
For Galvanized Fittings, Add	7.24	
For 300 LB Rating, Add	6.03	
For Galvanized Fittings, Add	10.30	
23 21 13 23-1879 Grooved Couplings (23 21 13 23-1469)		
23 21 13 23-1880 Flexible Grooved Coupling (23 21 13 23-1879)		
Note: Victaulic Style 77		
23 21 13 23-1881 EA 3/4" Standard Coupling, Grooved.....	55.19	5.04
For Galvanized Fittings, Add	13.32	
23 21 13 23-1882 EA 1" Standard Coupling, Grooved.....	55.19	5.04
For Galvanized Fittings, Add	13.32	
23 21 13 23-1883 EA 1-1/4" Standard Coupling, Grooved.....	72.80	6.34
For Galvanized Fittings, Add	17.72	
23 21 13 23-1884 EA 1-1/2" Standard Coupling, Grooved.....	80.54	7.56
For Galvanized Fittings, Add	19.36	
23 21 13 23-1885 EA 2" Standard Coupling, Grooved.....	88.33	10.18
For Galvanized Fittings, Add	20.46	
23 21 13 23-1886 EA 2-1/2" Standard Coupling, Grooved.....	106.05	12.41
For Galvanized Fittings, Add	24.49	
23 21 13 23-1887 EA 3" Standard Coupling, Grooved.....	109.66	14.84
For Galvanized Fittings, Add	24.49	
23 21 13 23-1888 EA 3-1/2" Standard Coupling, Grooved.....	167.00	17.37
For Galvanized Fittings, Add	39.46	
23 21 13 23-1889 EA 4" Standard Coupling, Grooved.....	170.65	19.79
For Galvanized Fittings, Add	39.46	
23 21 13 23-1890 EA 5" Standard Coupling, Grooved.....	253.22	24.83
For Galvanized Fittings, Add	60.50	
23 21 13 23-1891 EA 6" Standard Coupling, Grooved.....	304.02	32.39
For Galvanized Fittings, Add	71.51	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1892	EA	8" Standard Coupling, Grooved	474.19	38.64
		For Galvanized Fittings, Add	116.57	
23 21 13 23-1893	EA	10" Standard Coupling, Grooved	761.36	46.30
		For Galvanized Fittings, Add	193.73	
23 21 13 23-1894	EA	12" Standard Coupling, Grooved	863.75	50.68
		For Galvanized Fittings, Add	220.58	
23 21 13 23-1895	EA	14" Standard Coupling, Grooved	1,058.31	67.58
		For Galvanized Fittings, Add	267.97	
23 21 13 23-1896	EA	16" Standard Coupling, Grooved	1,376.87	81.11
		For Galvanized Fittings, Add	351.49	
23 21 13 23-1897	EA	18" Standard Coupling, Grooved	1,605.21	90.07
		For Galvanized Fittings, Add	411.65	
23 21 13 23-1898	EA	20" Standard Coupling, Grooved	2,464.74	101.37
		For Galvanized Fittings, Add	647.59	
23 21 13 23-1899	EA	24" Standard Coupling, Grooved	2,723.32	124.70
		For Galvanized Fittings, Add	710.18	
23 21 13 23-1900 Zero-Flex® Rigid Coupling (23 21 13 23-1879)				
Note: Victaulic Style 07				
23 21 13 23-1901	EA	1" Rigid Coupling, Grooved	73.78	5.04
		For Galvanized Fittings, Add	16.21	
23 21 13 23-1902	EA	1-1/4" Rigid Coupling, Grooved	75.69	6.34
		For Galvanized Fittings, Add	16.21	
23 21 13 23-1903	EA	1-1/2" Rigid Coupling, Grooved	77.55	7.56
		For Galvanized Fittings, Add	16.21	
23 21 13 23-1904	EA	2" Rigid Coupling, Grooved	83.10	10.18
		For Galvanized Fittings, Add	16.62	
23 21 13 23-1905	EA	2-1/2" Rigid Coupling, Grooved	96.80	12.41
		For Galvanized Fittings, Add	19.16	
23 21 13 23-1906	EA	3" Rigid Coupling, Grooved	100.41	14.84
		For Galvanized Fittings, Add	19.16	
23 21 13 23-1907	EA	3-1/2" Rigid Coupling, Grooved	117.48	17.37
		For Galvanized Fittings, Add	22.39	
23 21 13 23-1908	EA	4" Rigid Coupling, Grooved	159.25	19.79
		For Galvanized Fittings, Add	31.73	
23 21 13 23-1909	EA	5" Rigid Coupling, Grooved	205.37	24.83
		For Galvanized Fittings, Add	41.21	
23 21 13 23-1910	EA	6" Rigid Coupling, Grooved	273.46	32.39
		For Galvanized Fittings, Add	55.09	
23 21 13 23-1911	EA	8" Rigid Coupling, Grooved	412.10	38.64
		For Galvanized Fittings, Add	86.79	
23 21 13 23-1912	EA	10" Rigid Coupling, Grooved	704.17	46.30
		For Galvanized Fittings, Add	155.51	
23 21 13 23-1913	EA	12" Rigid Coupling, Grooved	786.23	50.68
		For Galvanized Fittings, Add	174.02	
23 21 13 23-1914	EA	14" Rigid Coupling, Grooved	1,029.25	67.58
		For Galvanized Fittings, Add	227.35	
23 21 13 23-1915	EA	16" Rigid Coupling, Grooved	1,331.82	81.11
		For Galvanized Fittings, Add	296.52	
23 21 13 23-1916	EA	18" Rigid Coupling, Grooved	1,534.14	90.07
		For Galvanized Fittings, Add	342.78	
23 21 13 23-1917	EA	20" Rigid Coupling, Grooved	1,817.64	101.37
		For Galvanized Fittings, Add	408.10	
23 21 13 23-1918	EA	24" Rigid Coupling, Grooved	2,640.48	124.70
		For Galvanized Fittings, Add	601.11	
23 21 13 23-1919 Large Diameter Grooved Coupling (23 21 13 23-1879)				
Note: Victaulic Style 770				
23 21 13 23-1920	EA	28" Coupling, Grooved	2,981.29	24.83
		For Galvanized Fittings, Add	412.18	
23 21 13 23-1921	EA	30" Coupling, Grooved	3,438.23	32.39
		For Galvanized Fittings, Add	474.55	
23 21 13 23-1922	EA	32" Coupling, Grooved	5,134.03	38.64
		For Galvanized Fittings, Add	710.66	
23 21 13 23-1923	EA	36" Coupling, Grooved	6,832.13	46.30
		For Galvanized Fittings, Add	946.78	
23 21 13 23-1924	EA	42" Coupling, Grooved	13,752.84	50.68
		For Galvanized Fittings, Add	1,914.76	
23 21 13 23-1925 Flexible Coupling (23 21 13 23-1879)				
Note: Victaulic Style 75				
23 21 13 23-1926	EA	1-1/2" Flexible Coupling, Grooved	71.53	7.56
		For Galvanized Fittings, Add	15.40	
23 21 13 23-1927	EA	2" Flexible Coupling, Grooved	76.93	10.18
		For Galvanized Fittings, Add	15.79	
23 21 13 23-1928	EA	2-1/2" Flexible Coupling, Grooved	90.07	12.41
		For Galvanized Fittings, Add	18.30	
23 21 13 23-1929	EA	3" Flexible Coupling, Grooved	105.31	14.84
		For Galvanized Fittings, Add	21.28	
23 21 13 23-1930	EA	3-1/2" Flexible Coupling, Grooved	143.83	17.37
		For Galvanized Fittings, Add	30.14	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1931	EA	4" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	147.48 30.14	19.79
23 21 13 23-1932	EA	5" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	207.05 43.49	24.83
23 21 13 23-1933	EA	6" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	253.28 52.39	32.39
23 21 13 23-1934	EA	8" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	379.57 82.36	38.64
23 21 13 23-1935 Installation-Ready™ Coupling (23 21 13 23-1879)				
Note: Victaulic Style 009N				
23 21 13 23-1936	EA	1-1/4" Ductile Iron, Installation-Ready™ Coupling..... <i>For Galvanized Fittings, Add</i>	52.79 11.69	4.71
23 21 13 23-1937	EA	1-1/2" Ductile Iron, Installation-Ready™ Coupling..... <i>For Galvanized Fittings, Add</i>	55.13 11.93	5.64
23 21 13 23-1938	EA	2" Ductile Iron, Installation-Ready™ Coupling..... <i>For Galvanized Fittings, Add</i>	64.18 13.49	7.57
23 21 13 23-1939	EA	2-1/2" Ductile Iron, Installation-Ready™ Coupling..... <i>For Galvanized Fittings, Add</i>	74.61 15.54	9.18
23 21 13 23-1940	EA	3" Ductile Iron, Installation-Ready™ Coupling..... <i>For Galvanized Fittings, Add</i>	85.41 17.59	11.02
23 21 13 23-1941	EA	4" Ductile Iron, Installation-Ready™ Coupling..... <i>For Galvanized Fittings, Add</i>	118.77 24.69	14.72
23 21 13 23-1942	EA	5" Ductile Iron, Installation-Ready™ Coupling..... <i>For Galvanized Fittings, Add</i>	185.70 40.39	18.42
23 21 13 23-1943	EA	6" Ductile Iron, Installation-Ready™ Coupling..... <i>For Galvanized Fittings, Add</i>	225.03 48.26	24.09
23 21 13 23-1944	EA	8" Ductile Iron, Installation-Ready™ Coupling..... <i>For Galvanized Fittings, Add</i>	358.39 80.64	28.65
23 21 13 23-1945 Grooved Strainers And Suction Diffusers (23 21 13 23-1469)				
23 21 13 23-1946 Grooved Wye Strainers (23 21 13 23-1945)				
Note: Victaulic Style 732				
23 21 13 23-1947	EA	2" Wye Strainer, Grooved.....	1,550.23	20.53
23 21 13 23-1948	EA	2-1/2" Wye Strainer, Grooved.....	1,633.49	24.92
23 21 13 23-1949	EA	3" Wye Strainer, Grooved.....	1,837.98	29.87
23 21 13 23-1950	EA	4" Wye Strainer, Grooved.....	2,088.94	39.85
23 21 13 23-1951	EA	5" Wye Strainer, Grooved.....	3,014.18	49.85
23 21 13 23-1952	EA	6" Wye Strainer, Grooved.....	3,288.83	64.78
23 21 13 23-1953	EA	8" Wye Strainer, Grooved.....	5,008.62	77.20
23 21 13 23-1954	EA	10" Wye Strainer, Grooved.....	8,000.56	90.25
23 21 13 23-1955	EA	12" Wye Strainer, Grooved.....	13,902.47	108.37
23 21 13 23-1956 Grooved Tee Type Strainers (23 21 13 23-1945)				
Note: Victaulic Style 730				
23 21 13 23-1957	EA	1-1/2" Tee Type Strainer, Grooved.....	1,195.86	15.59
23 21 13 23-1958	EA	2" Tee Type Strainer, Grooved.....	1,531.48	20.53
23 21 13 23-1959	EA	2-1/2" Tee Type Strainer, Grooved.....	1,613.99	24.92
23 21 13 23-1960	EA	3" Tee Type Strainer, Grooved.....	1,815.96	29.87
23 21 13 23-1961	EA	4" Tee Type Strainer, Grooved.....	2,063.97	39.85
23 21 13 23-1962	EA	5" Tee Type Strainer, Grooved.....	2,977.83	49.85
23 21 13 23-1963	EA	6" Tee Type Strainer, Grooved.....	3,249.63	64.78
23 21 13 23-1964	EA	8" Tee Type Strainer, Grooved.....	4,947.93	77.20
23 21 13 23-1965	EA	10" Tee Type Strainer, Grooved.....	7,232.42	90.25
23 21 13 23-1966	EA	12" Tee Type Strainer, Grooved.....	9,298.31	108.37
23 21 13 23-1967	EA	14" Tee Type Strainer, Grooved.....	32,747.76	121.99
23 21 13 23-1968	EA	16" Tee Type Strainer, Grooved.....	40,675.80	135.06
23 21 13 23-1969	EA	18" Tee Type Strainer, Grooved.....	53,455.34	147.57
23 21 13 23-1970 Grooved Suction Diffuser (23 21 13 23-1945)				
Note: Victaulic Style 731				
23 21 13 23-1971	EA	2-1/2" Grooved x 2" Flanged Suction Diffuser.....	3,150.64	23.05
23 21 13 23-1972	EA	3" Grooved x 2" Flanged Suction Diffuser.....	3,345.10	25.48
23 21 13 23-1973	EA	3" Grooved x 2-1/2" Flanged Suction Diffuser.....	2,422.14	29.87
23 21 13 23-1974	EA	3" Grooved x 3" Flanged Suction Diffuser.....	2,457.25	32.39
23 21 13 23-1975	EA	4" Grooved x 2-1/2" Flanged Suction Diffuser.....	2,660.52	32.39
23 21 13 23-1976	EA	4" Grooved x 3" Flanged Suction Diffuser.....	2,870.35	34.91
23 21 13 23-1977	EA	4" Grooved x 4" Flanged Suction Diffuser.....	3,316.20	34.91
23 21 13 23-1978	EA	5" Grooved x 4" Flanged Suction Diffuser.....	3,705.15	44.80
23 21 13 23-1979	EA	5" Grooved x 5" Flanged Suction Diffuser.....	3,893.48	47.33
23 21 13 23-1980	EA	6" Grooved x 4" Flanged Suction Diffuser.....	3,957.22	52.27
23 21 13 23-1981	EA	6" Grooved x 5" Flanged Suction Diffuser.....	4,725.88	57.31
23 21 13 23-1982	EA	6" Grooved x 6" Flanged Suction Diffuser.....	4,909.21	61.04
23 21 13 23-1983	EA	8" Grooved x 5" Flanged Suction Diffuser.....	5,037.61	63.47
23 21 13 23-1984	EA	8" Grooved x 6" Flanged Suction Diffuser.....	5,318.13	70.93
23 21 13 23-1985	EA	8" Grooved x 8" Flanged Suction Diffuser.....	9,084.46	77.20
23 21 13 23-1986	EA	10" Grooved x 8" Flanged Suction Diffuser.....	10,245.60	83.45
23 21 13 23-1987	EA	10" Grooved x 10" Flanged Suction Diffuser.....	12,324.48	86.52

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1988 EA 12" Grooved x 10" Flanged Suction Diffuser	14,583.71	99.59
23 21 13 23-1989 EA 12" Grooved x 12" Flanged Suction Diffuser	20,236.63	105.85
23 21 13 23-1990 EA 14" Grooved x 10" Flanged Suction Diffuser	18,844.83	105.85
23 21 13 23-1991 EA 14" Grooved x 12" Flanged Suction Diffuser	21,045.88	115.18
23 21 13 23-1992 EA 14" Grooved x 14" Flanged Suction Diffuser	25,530.53	121.99
23 21 13 23-1993 EA 16" Grooved x 14" Flanged Suction Diffuser	26,284.82	128.25
23 21 13 23-1994 Grooved Steel Valves (23 21 13 23-1469)		
23 21 13 23-1995 Grooved Butterfly Valves With Standard Trim (23 21 13 23-1994)		
23 21 13 23-1996 EA 1-1/2" Butterfly Valve, Grooved, With Standard Trim	275.08	10.18
23 21 13 23-1997 EA 2" Butterfly Valve, Grooved, With Standard Trim	279.91	13.35
23 21 13 23-1998 EA 3" Butterfly Valve, Grooved, With Standard Trim	459.69	19.79
23 21 13 23-1999 EA 4" Butterfly Valve, Grooved, With Standard Trim	617.56	26.04
23 21 13 23-2000 EA 6" Butterfly Valve, Grooved, With Standard Trim	1,350.76	42.66
23 21 13 23-2001 EA 8" Butterfly Valve, Grooved, With Standard Trim	1,871.75	60.02
23 21 13 23-2002 EA 10" Butterfly Valve, Grooved, With Standard Trim	2,812.69	81.11
23 21 13 23-2003 Grooved Butterfly Valves With Stainless Steel Trim (23 21 13 23-1994)		
23 21 13 23-2004 EA 1-1/2" Butterfly Valve, Grooved, With Stainless Steel Trim	414.28	10.18
23 21 13 23-2005 EA 2" Butterfly Valve, Grooved, With Stainless Steel Trim	419.10	13.35
23 21 13 23-2006 EA 3" Butterfly Valve, Grooved, With Stainless Steel Trim	648.38	19.79
23 21 13 23-2007 EA 4" Butterfly Valve, Grooved, With Stainless Steel Trim	824.81	26.04
23 21 13 23-2008 EA 6" Butterfly Valve, Grooved, With Stainless Steel Trim	1,579.66	42.66
23 21 13 23-2009 EA 8" Butterfly Valve, Grooved, With Stainless Steel Trim	2,626.50	60.02
23 21 13 23-2010 EA 10" Butterfly Valve, Grooved, With Stainless Steel Trim	4,142.80	81.11
23 21 13 23-2011 Grooved Ball Valves With Standard Trim And Handle (23 21 13 23-1994)		
Note: Victaulic No. 721		
23 21 13 23-2012 EA 1-1/2" Ball Valve, Grooved, With Standard Trim	231.82	9.98
23 21 13 23-2013 EA 2" Ball Valve, Grooved, With Standard Trim	265.24	13.72
23 21 13 23-2014 EA 2-1/2" Ball Valve, Grooved, With Standard Trim	608.07	16.80
23 21 13 23-2015 EA 3" Ball Valve, Grooved, With Standard Trim	998.58	19.89
23 21 13 23-2016 EA 4" Ball Valve, Grooved, With Standard Trim	1,555.94	26.14
23 21 13 23-2017 EA 6" Ball Valve, Grooved, With Standard Trim	4,845.00	42.94
23 21 13 23-2018 Grooved Ball Valves With Stainless Steel Trim And Handle (23 21 13 23-1994)		
Note: Victaulic No. 721		
23 21 13 23-2019 EA 1-1/2" Ball Valve, Grooved, With Stainless Steel Trim	247.06	9.98
23 21 13 23-2020 EA 2" Ball Valve, Grooved, With Stainless Steel Trim	423.50	13.72
23 21 13 23-2021 EA 2-1/2" Ball Valve, Grooved, With Stainless Steel Trim	1,107.07	16.80
23 21 13 23-2022 EA 3" Ball Valve, Grooved, With Stainless Steel Trim	1,432.00	19.89
23 21 13 23-2023 EA 4" Ball Valve, Grooved, With Stainless Steel Trim	1,956.46	26.14
23 21 13 23-2024 EA 6" Ball Valve, Grooved, With Stainless Steel Trim	5,341.29	42.94
23 21 13 23-2025 Grooved Check Valves (23 21 13 23-1994)		
Note: Victaulic No. 712		
23 21 13 23-2026 EA 2" Check Valve, Grooved	352.37	13.72
23 21 13 23-2027 EA 2-1/2" Check Valve, Grooved	572.88	16.80
23 21 13 23-2028 EA 3" Check Valve, Grooved	667.46	19.89
23 21 13 23-2029 EA 4" Check Valve, Grooved	946.47	26.14
23 21 13 23-2030 Grooved Vic-Check Check Valves (23 21 13 23-1994)		
Note: Victaulic No. 716		
23 21 13 23-2031 EA 2-1/2" "Vic-Check" Check Valve, Grooved	457.15	16.80
23 21 13 23-2032 EA 3" "Vic-Check" Check Valve, Grooved	461.69	19.89
23 21 13 23-2033 EA 4" "Vic-Check" Check Valve, Grooved	578.36	26.14
23 21 13 23-2034 EA 6" "Vic-Check" Check Valve, Grooved	1,129.01	42.94
23 21 13 23-2035 EA 8" "Vic-Check" Check Valve, Grooved	1,544.66	59.74
23 21 13 23-2036 EA 10" "Vic-Check" Check Valve, Grooved	4,333.08	80.93
23 21 13 23-2037 EA 12" "Vic-Check" Check Valve, Grooved	5,131.60	93.43
23 21 13 23-2038 Grooved Plug Valves With Lever Operator (23 21 13 23-1994)		
Note: Victaulic No. 377		
23 21 13 23-2039 EA 3" Balancing Plug Valve, Grooved, With Lever Handle	543.02	19.89
23 21 13 23-2040 EA 4" Balancing Plug Valve, Grooved, With Lever Handle	603.94	26.14
23 21 13 23-2041 EA 6" Balancing Plug Valve, Grooved, With Lever Handle	1,077.00	42.94
23 21 13 23-2042 Grooved Plug Valve With Gear Operator (23 21 13 23-1994)		
Note: Victaulic No. 377		
23 21 13 23-2043 EA 3" Balancing Plug Valve, Grooved, With Gear Operator	956.99	19.89
23 21 13 23-2044 EA 4" Balancing Plug Valve, Grooved, With Gear Operator	1,017.95	26.14
23 21 13 23-2045 EA 6" Balancing Plug Valve, Grooved, With Gear Operator	1,491.00	42.94

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2046 EA 8" Balancing Plug Valve, Grooved, With Gear Operator	1,995.20	59.74
23 21 13 23-2047 EA 10" Balancing Plug Valve, Grooved, With Gear Operator	3,126.62	80.93
23 21 13 23-2048 EA 12" Balancing Plug Valve, Grooved, With Gear Operator	4,517.66	93.43
23 21 13 23-2049 Prepare Pipe For Groove (23 21 13 23-1469)		
23 21 13 23-2050 Cut Grooved Pipe (23 21 13 23-2049)		
Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-2051 EA Cut 3/4" Groove	9.78	
23 21 13 23-2052 EA Cut 1" Groove	10.62	
23 21 13 23-2053 EA Cut 1-1/4" Groove	11.99	
23 21 13 23-2054 EA Cut 1-1/2" Groove	13.04	
23 21 13 23-2055 EA Cut 2" Groove	14.29	
23 21 13 23-2056 EA Cut 2-1/2" Groove	15.48	
23 21 13 23-2057 EA Cut 3" Groove	16.89	
23 21 13 23-2058 EA Cut 3-1/2" Groove	17.91	
23 21 13 23-2059 EA Cut 4" Groove	19.06	
23 21 13 23-2060 EA Cut 5" Groove	20.64	
23 21 13 23-2061 EA Cut 6" Groove	21.24	
23 21 13 23-2062 EA Cut 8" Groove	27.52	
23 21 13 23-2063 EA Cut 10" Groove	39.12	
23 21 13 23-2064 EA Cut 12" Groove	49.54	
23 21 13 23-2065 EA Cut 14" Groove	74.31	
23 21 13 23-2066 EA Cut 16" Groove	78.22	
23 21 13 23-2067 EA Cut 18" Groove	82.57	
23 21 13 23-2068 EA Cut 20" Groove	87.43	
23 21 13 23-2069 EA Cut 24" Groove	99.09	
23 21 13 23-2070 Roll Grooved Pipe (23 21 13 23-2049)		
Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-2071 EA Roll 3/4" Groove	5.59	
23 21 13 23-2072 EA Roll 1" Groove	6.51	
23 21 13 23-2073 EA Roll 1-1/4" Groove	7.43	
23 21 13 23-2074 EA Roll 1-1/2" Groove	8.35	
23 21 13 23-2075 EA Roll 2" Groove	12.82	
23 21 13 23-2076 EA Roll 2-1/2" Groove	13.51	
23 21 13 23-2077 EA Roll 3" Groove	14.86	
23 21 13 23-2078 EA Roll 3-1/2" Groove	15.81	
23 21 13 23-2079 EA Roll 4" Groove	17.28	
23 21 13 23-2080 EA Roll 5" Groove	17.70	
23 21 13 23-2081 EA Roll 6" Groove	18.58	
23 21 13 23-2082 EA Roll 8" Groove	22.52	
23 21 13 23-2083 EA Roll 10" Groove	25.62	
23 21 13 23-2084 EA Roll 12" Groove	32.31	
23 21 13 23-2085 EA Roll 14" Groove	49.54	
23 21 13 23-2086 EA Roll 16" Groove	53.08	
23 21 13 23-2087 EA Roll 18" Groove	55.05	
23 21 13 23-2088 EA Roll 20" Groove	59.45	
23 21 13 23-2089 EA Roll 24" Groove	64.62	
23 21 13 23-2090 Standard Gaskets (23 21 13 23-2049)		
Note: For use on replacement of existing gaskets.		
23 21 13 23-2091 EA 3/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	38.20	
23 21 13 23-2092 EA 1" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	38.98	
23 21 13 23-2093 EA 1-1/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	40.47	
23 21 13 23-2094 EA 1-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	44.21	
23 21 13 23-2095 EA 2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	44.77	
23 21 13 23-2096 EA 2-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	53.34	
23 21 13 23-2097 EA 3" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	58.26	
23 21 13 23-2098 EA 3-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	72.91	
23 21 13 23-2099 EA 4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	73.36	
23 21 13 23-2100 EA 5" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	93.45	
23 21 13 23-2101 EA 6" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	100.73	
23 21 13 23-2102 EA 8" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	137.86	
23 21 13 23-2103 EA 10" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	174.78	
23 21 13 23-2104 EA 12" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	204.66	
23 21 13 23-2105 EA 14" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	284.43	
23 21 13 23-2106 EA 16" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	386.56	
23 21 13 23-2107 EA 18" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	462.29	
23 21 13 23-2108 EA 20" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	698.17	
23 21 13 23-2109 EA 24" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	963.19	
23 21 13 23-2110 Copper Grooved-Joint Pipe Fittings (23 21 13 23)		
Note: Couplings are not included with fittings.		
23 21 13 23-2111 Grooved Fittings (23 21 13 23-2110)		

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2112 Grooved 90 Degree Elbows (23 21 13 23-2111)		
23 21 13 23-2113 EA 2" Copper 90 Degree Elbow, Grooved.....	64.32	15.22
23 21 13 23-2114 EA 2-1/2" Copper 90 Degree Elbow, Grooved.....	73.75	18.58
23 21 13 23-2115 EA 3" Copper 90 Degree Elbow, Grooved.....	96.30	22.50
23 21 13 23-2116 EA 4" Copper 90 Degree Elbow, Grooved.....	177.10	29.68
23 21 13 23-2117 EA 5" Copper 90 Degree Elbow, Grooved.....	407.79	37.15
23 21 13 23-2118 EA 6" Copper 90 Degree Elbow, Grooved.....	629.40	48.63
23 21 13 23-2119 EA 8" Copper 90 Degree Elbow, Grooved.....	1,114.80	57.87
23 21 13 23-2120 Grooved 45 Degree Elbows (23 21 13 23-2111)		
23 21 13 23-2121 EA 2" Copper 45 Degree Elbow, Grooved.....	64.32	15.22
23 21 13 23-2122 EA 2-1/2" Copper 45 Degree Elbow, Grooved.....	73.75	18.58
23 21 13 23-2123 EA 3" Copper 45 Degree Elbow, Grooved.....	96.30	22.50
23 21 13 23-2124 EA 4" Copper 45 Degree Elbow, Grooved.....	177.10	29.68
23 21 13 23-2125 EA 5" Copper 45 Degree Elbow, Grooved.....	407.79	37.15
23 21 13 23-2126 EA 6" Copper 45 Degree Elbow, Grooved.....	629.40	48.63
23 21 13 23-2127 EA 8" Copper 45 Degree Elbow, Grooved.....	1,114.80	57.87
23 21 13 23-2128 Grooved Tees (23 21 13 23-2111)		
23 21 13 23-2129 EA 2" Copper Tee, Grooved.....	100.29	22.40
23 21 13 23-2130 EA 2-1/2" Copper Tee, Grooved.....	113.87	27.53
23 21 13 23-2131 EA 3" Copper Tee, Grooved.....	155.09	33.79
23 21 13 23-2132 EA 4" Copper Tee, Grooved.....	279.34	43.69
23 21 13 23-2133 EA 5" Copper Tee, Grooved.....	958.80	57.13
23 21 13 23-2134 EA 6" Copper Tee, Grooved.....	806.40	71.50
23 21 13 23-2135 EA 8" Copper Tee, Grooved.....	1,358.24	86.81
23 21 13 23-2136 Grooved Reducing Tees (23 21 13 23-2111)		
23 21 13 23-2137 EA 2-1/2" Copper Tee, Reducing, Grooved.....	142.74	27.53
23 21 13 23-2138 EA 3" Copper Tee, Reducing, Grooved.....	216.38	33.79
23 21 13 23-2139 EA 4" Copper Tee, Reducing, Grooved.....	339.55	43.78
23 21 13 23-2140 EA 5" Copper Tee, Reducing, Grooved.....	883.80	57.22
23 21 13 23-2141 EA 6" Copper Tee, Reducing, Grooved.....	1,082.44	71.50
23 21 13 23-2142 Grooved X Cup Reducing Tees (23 21 13 23-2111)		
23 21 13 23-2143 EA 2" Copper Tee, Reducing, Grooved X Cup.....	115.73	22.40
23 21 13 23-2144 EA 2-1/2" Copper Tee, Reducing, Grooved X Cup.....	143.05	27.53
23 21 13 23-2145 EA 3" Copper Tee, Reducing, Grooved X Cup.....	230.27	33.79
23 21 13 23-2146 EA 4" Copper Tee, Reducing, Grooved X Cup.....	339.55	43.69
23 21 13 23-2147 Grooved Flanged Adapter Nipples (23 21 13 23-2111)		
23 21 13 23-2148 EA 2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	179.03	16.52
23 21 13 23-2149 EA 2-1/2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	192.07	20.07
23 21 13 23-2150 EA 3" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	207.07	23.99
23 21 13 23-2151 EA 4" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	239.07	32.30
23 21 13 23-2152 EA 5" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	312.72	39.11
23 21 13 23-2153 EA 6" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	360.85	52.83
23 21 13 23-2154 Grooved Concentric Reducers (23 21 13 23-2111)		
23 21 13 23-2155 EA 2-1/2" x 2" Copper Concentric Reducer, Grooved.....	82.54	16.99
23 21 13 23-2156 EA 3" x 2" Copper Concentric Reducer, Grooved.....	86.29	18.95
23 21 13 23-2157 EA 3" x 2-1/2" Copper Concentric Reducer, Grooved.....	93.52	22.50
23 21 13 23-2158 EA 4" x 2" Copper Concentric Reducer, Grooved.....	144.40	22.68
23 21 13 23-2159 EA 4" x 2-1/2" Copper Concentric Reducer, Grooved.....	147.67	24.27
23 21 13 23-2160 EA 4" x 3" Copper Concentric Reducer, Grooved.....	151.40	26.14
23 21 13 23-2161 EA 5" x 3" Copper Concentric Reducer, Grooved.....	338.57	29.87
23 21 13 23-2162 EA 5" x 4" Copper Concentric Reducer, Grooved.....	346.04	33.60
23 21 13 23-2163 EA 6" x 3" Copper Concentric Reducer, Grooved.....	372.77	35.47
23 21 13 23-2164 EA 6" x 4" Copper Concentric Reducer, Grooved.....	380.24	39.20
23 21 13 23-2165 EA 6" x 5" Copper Concentric Reducer, Grooved.....	387.72	42.94
23 21 13 23-2166 EA 8" x 6" Copper Concentric Reducer, Grooved.....	636.12	53.20
23 21 13 23-2167 Grooved X Cup Concentric Reducers (23 21 13 23-2111)		
23 21 13 23-2168 EA 2" x 1" Copper Concentric Reducer, Grooved X Cup.....	63.94	11.95
23 21 13 23-2169 EA 2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup.....	64.88	12.41
23 21 13 23-2170 EA 2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	67.73	13.82
23 21 13 23-2171 EA 2-1/2" x 1" Copper Concentric Reducer, Grooved X Cup.....	75.77	13.35
23 21 13 23-2172 EA 2-1/2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup.....	76.69	13.82
23 21 13 23-2173 EA 2-1/2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	79.43	15.22
23 21 13 23-2174 EA 2-1/2" x 2" Copper Concentric Reducer, Grooved X Cup.....	83.16	16.99
23 21 13 23-2175 EA 3" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	95.04	16.99
23 21 13 23-2176 EA 3" x 2" Copper Concentric Reducer, Grooved X Cup.....	98.79	18.95

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2177	EA	4" x 2" Copper Concentric Reducer, Grooved X Cup.....	158.45	22.59
23 21 13 23-2178		Grooved Standard Couplings (23 21 13 23-2111)		
23 21 13 23-2179	EA	2" Copper Standard Coupling, Grooved.....	26.91	7.65
23 21 13 23-2180	EA	2-1/2" Copper Standard Coupling, Grooved.....	31.94	9.34
23 21 13 23-2181	EA	3" Copper Standard Coupling, Grooved.....	36.90	11.10
23 21 13 23-2182	EA	4" Copper Standard Coupling, Grooved.....	52.24	14.93
23 21 13 23-2183	EA	5" Copper Standard Coupling, Grooved.....	75.45	18.58
23 21 13 23-2184	EA	6" Copper Standard Coupling, Grooved.....	99.20	24.27
23 21 13 23-2185	EA	8" Copper Standard Coupling, Grooved.....	136.61	28.93
23 21 13 23-2186		Grooved Caps (23 21 13 23-2111)		
23 21 13 23-2187	EA	2" Copper Cap, Grooved.....	38.56	7.65
23 21 13 23-2188	EA	2-1/2" Copper Cap, Grooved.....	53.16	9.34
23 21 13 23-2189	EA	3" Copper Cap, Grooved.....	65.11	11.10
23 21 13 23-2190	EA	4" Copper Cap, Grooved.....	94.11	14.84
23 21 13 23-2191	EA	5" Copper Cap, Grooved.....	151.31	18.58
23 21 13 23-2192	EA	6" Copper Cap, Grooved.....	180.00	24.27
23 21 13 23-2193		Grooved Valves (23 21 13 23-2110)		
23 21 13 23-2194		Grooved Butterfly Valves, Standard Trim, Without Operator (23 21 13 23-2193)		
		Note: Copper body.		
23 21 13 23-2195	EA	2" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	454.87	9.98
		For Chain Wheel, Add	43.45	
		For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2196	EA	3" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	516.73	14.84
		For Chain Wheel, Add	43.45	
		For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2197	EA	4" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	683.08	19.50
		For Chain Wheel, Add	43.45	
		For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2198	EA	6" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	910.39	32.02
		For Chain Wheel, Add	43.45	
		For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2199	EA	8" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	1,001.82	44.99
		For Chain Wheel, Add	43.45	
		For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2200		Grooved Butterfly Valves, Standard Trim, With Operator (23 21 13 23-2193)		
		Note: Copper body.		
23 21 13 23-2201	EA	2" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body.....	556.10	9.98
		For Chain Wheel, Add	43.45	
		For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2202	EA	3" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body.....	618.04	14.84
		For Chain Wheel, Add	43.45	
		For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2203	EA	4" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body.....	784.38	19.50
		For Chain Wheel, Add	43.45	
		For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2204	EA	6" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body.....	1,011.76	32.02
		For Chain Wheel, Add	43.45	
		For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2205	EA	8" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body.....	1,103.13	44.99
		For Chain Wheel, Add	43.45	
		For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2206		Polyvinyl Chloride (PVC) Pressure Pipe And Fittings (23 21 13 23)		
		Note: Socket or back weld.		
23 21 13 23-2207		Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings (23 21 13 23-2206)		
		Note: ASTM D1785 with D2466 fittings.		
23 21 13 23-2208		Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe (23 21 13 23-2207)		
23 21 13 23-2209	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	4.33	2.67
		For Work In Restricted Working Space, Add	1.20	
23 21 13 23-2210	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	5.43	3.33
		For Work In Restricted Working Space, Add	1.50	
23 21 13 23-2211	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	5.95	3.56
		For Work In Restricted Working Space, Add	1.60	
23 21 13 23-2212	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	6.56	3.82
		For Work In Restricted Working Space, Add	1.73	
23 21 13 23-2213	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	6.76	3.89
		For Work In Restricted Working Space, Add	1.75	
23 21 13 23-2214	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	8.25	4.66
		For Work In Restricted Working Space, Add	2.10	
23 21 13 23-2215	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	10.30	5.54
		For Work In Restricted Working Space, Add	2.49	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Piping and Pumps			23 20
Hydronic Piping and Pumps			23 21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2216	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	12.62	6.70
			For Work In Restricted Working Space, Add	3.01	
23 21	13 23-2217	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	18.79	10.03
			For Work In Restricted Working Space, Add	4.52	
23 21	13 23-2218	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	26.60	13.38
			For Work In Restricted Working Space, Add	6.02	
23 21	13 23-2219	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	33.83	15.95
			For Work In Restricted Working Space, Add	7.18	
23 21	13 23-2220	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	56.99	17.82
			For Work In Restricted Working Space, Add	8.01	
23 21 13 23-2221 Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows (23 21 13 23-2207)					
23 21	13 23-2222	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	15.66	10.08
			For Work In Restricted Working Space, Add	4.52	
23 21	13 23-2223	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	20.92	13.35
			For Work In Restricted Working Space, Add	6.02	
23 21	13 23-2224	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	26.39	16.62
			For Work In Restricted Working Space, Add	7.47	
23 21	13 23-2225	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	37.98	23.52
			For Work In Restricted Working Space, Add	10.57	
23 21	13 23-2226	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	42.65	26.51
			For Work In Restricted Working Space, Add	11.92	
23 21	13 23-2227	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	55.06	33.69
			For Work In Restricted Working Space, Add	15.14	
23 21	13 23-2228	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	88.68	49.85
			For Work In Restricted Working Space, Add	22.40	
23 21	13 23-2229	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	115.08	65.53
			For Work In Restricted Working Space, Add	29.48	
23 21	13 23-2230	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	146.74	77.84
			For Work In Restricted Working Space, Add	35.00	
23 21	13 23-2231	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	205.34	88.95
			For Work In Restricted Working Space, Add	40.01	
23 21	13 23-2232	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	340.91	103.80
			For Work In Restricted Working Space, Add	46.67	
23 21	13 23-2233	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	509.72	154.75
			For Work In Restricted Working Space, Add	69.59	
23 21 13 23-2234 Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows (23 21 13 23-2207)					
23 21	13 23-2235	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	15.96	10.08
			For Work In Restricted Working Space, Add	4.52	
23 21	13 23-2236	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	21.52	13.35
			For Work In Restricted Working Space, Add	6.02	
23 21	13 23-2237	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	27.23	16.62
			For Work In Restricted Working Space, Add	7.47	
23 21	13 23-2238	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	38.51	23.52
			For Work In Restricted Working Space, Add	10.57	
23 21	13 23-2239	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	43.85	26.51
			For Work In Restricted Working Space, Add	11.92	
23 21	13 23-2240	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	55.84	33.69
			For Work In Restricted Working Space, Add	15.14	
23 21	13 23-2241	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	88.68	49.85
			For Work In Restricted Working Space, Add	22.40	
23 21	13 23-2242	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	120.11	65.53
			For Work In Restricted Working Space, Add	29.48	
23 21	13 23-2243	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	155.91	77.84
			For Work In Restricted Working Space, Add	35.00	
23 21	13 23-2244	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	206.17	88.95
			For Work In Restricted Working Space, Add	40.01	
23 21	13 23-2245	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	330.79	103.80
			For Work In Restricted Working Space, Add	46.67	
23 21	13 23-2246	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	509.72	154.75
			For Work In Restricted Working Space, Add	69.59	
23 21 13 23-2247 Schedule 40 Polyvinyl Chloride (PVC) Tees (23 21 13 23-2207)					
23 21	13 23-2248	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	25.61	16.62
			For Work In Restricted Working Space, Add	7.47	
23 21	13 23-2249	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	30.89	20.07
			For Work In Restricted Working Space, Add	9.03	
23 21	13 23-2250	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Tees	41.22	26.51
			For Work In Restricted Working Space, Add	11.92	
23 21	13 23-2251	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	52.85	33.69
			For Work In Restricted Working Space, Add	15.14	
23 21	13 23-2252	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	63.15	40.14
			For Work In Restricted Working Space, Add	18.07	
23 21	13 23-2253	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Tees	78.92	49.85
			For Work In Restricted Working Space, Add	22.40	
23 21	13 23-2254	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	112.38	65.53
			For Work In Restricted Working Space, Add	29.48	
23 21	13 23-2255	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Tees	135.19	77.84
			For Work In Restricted Working Space, Add	35.00	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2256	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Tees.....	189.10	103.80
		<i>For Work In Restricted Working Space, Add</i>	46.67	
23 21 13 23-2257	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Tees.....	313.80	133.85
		<i>For Work In Restricted Working Space, Add</i>	60.22	
23 21 13 23-2258	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Tees.....	511.21	166.05
		<i>For Work In Restricted Working Space, Add</i>	74.67	
23 21 13 23-2259	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Tees.....	1,398.40	248.09
		<i>For Work In Restricted Working Space, Add</i>	111.60	
23 21 13 23-2260 Schedule 40 Polyvinyl Chloride (PVC) Crosses (23 21 13 23-2207)				
23 21 13 23-2261	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses.....	32.24	20.72
		<i>For Work In Restricted Working Space, Add</i>	9.33	
23 21 13 23-2262	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses.....	38.85	25.11
		<i>For Work In Restricted Working Space, Add</i>	11.29	
23 21 13 23-2263	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Crosses.....	52.00	33.14
		<i>For Work In Restricted Working Space, Add</i>	14.90	
23 21 13 23-2264	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses.....	66.83	42.09
		<i>For Work In Restricted Working Space, Add</i>	18.92	
23 21 13 23-2265	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses.....	79.87	50.22
		<i>For Work In Restricted Working Space, Add</i>	22.58	
23 21 13 23-2266	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Crosses.....	100.01	62.26
		<i>For Work In Restricted Working Space, Add</i>	28.00	
23 21 13 23-2267	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses.....	144.98	81.96
		<i>For Work In Restricted Working Space, Add</i>	36.85	
23 21 13 23-2268	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Crosses.....	174.85	97.26
		<i>For Work In Restricted Working Space, Add</i>	43.75	
23 21 13 23-2269	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Crosses.....	247.03	129.74
		<i>For Work In Restricted Working Space, Add</i>	58.34	
23 21 13 23-2270	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Crosses.....	428.06	167.26
		<i>For Work In Restricted Working Space, Add</i>	75.24	
23 21 13 23-2271	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Crosses.....	722.15	207.40
		<i>For Work In Restricted Working Space, Add</i>	93.29	
23 21 13 23-2272	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Crosses.....	2,074.22	310.25
		<i>For Work In Restricted Working Space, Add</i>	139.56	
23 21 13 23-2273 Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts (23 21 13 23-2207)				
23 21 13 23-2274	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts.....	16.16	
		<i>For Work In Restricted Working Space, Add</i>	4.69	
23 21 13 23-2275	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts.....	21.13	
		<i>For Work In Restricted Working Space, Add</i>	6.00	
23 21 13 23-2276	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts.....	28.21	
		<i>For Work In Restricted Working Space, Add</i>	8.01	
23 21 13 23-2277	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts.....	34.86	
		<i>For Work In Restricted Working Space, Add</i>	9.99	
23 21 13 23-2278	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts.....	42.71	
		<i>For Work In Restricted Working Space, Add</i>	12.02	
23 21 13 23-2279	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts.....	59.80	
		<i>For Work In Restricted Working Space, Add</i>	16.68	
23 21 13 23-2280	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts.....	83.14	
		<i>For Work In Restricted Working Space, Add</i>	23.06	
23 21 13 23-2281	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts.....	109.71	
		<i>For Work In Restricted Working Space, Add</i>	28.66	
23 21 13 23-2282	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts.....	146.39	
		<i>For Work In Restricted Working Space, Add</i>	33.34	
23 21 13 23-2283	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts.....	331.21	
		<i>For Work In Restricted Working Space, Add</i>	38.52	
23 21 13 23-2284	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts.....	397.38	
		<i>For Work In Restricted Working Space, Add</i>	51.67	
23 21 13 23-2285 Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts (23 21 13 23-2207)				
23 21 13 23-2286	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts.....	16.32	10.08
		<i>For Work In Restricted Working Space, Add</i>	4.52	
23 21 13 23-2287	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts.....	21.34	13.35
		<i>For Work In Restricted Working Space, Add</i>	6.02	
23 21 13 23-2288	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts.....	26.45	16.62
		<i>For Work In Restricted Working Space, Add</i>	7.47	
23 21 13 23-2289	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts.....	37.62	23.52
		<i>For Work In Restricted Working Space, Add</i>	10.57	
23 21 13 23-2290	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts.....	42.47	26.51
		<i>For Work In Restricted Working Space, Add</i>	11.92	
23 21 13 23-2291	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts.....	54.22	33.69
		<i>For Work In Restricted Working Space, Add</i>	15.14	
23 21 13 23-2292	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts.....	80.12	49.85
		<i>For Work In Restricted Working Space, Add</i>	22.40	
23 21 13 23-2293	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts.....	104.54	65.53
		<i>For Work In Restricted Working Space, Add</i>	29.48	
23 21 13 23-2294	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts.....	130.87	77.84
		<i>For Work In Restricted Working Space, Add</i>	35.00	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2295 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters (23 21 13 23-2207)		
23 21 13 23-2296 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	16.74	10.08
For Work In Restricted Working Space, Add	4.52	
23 21 13 23-2297 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	21.76	13.35
For Work In Restricted Working Space, Add	6.02	
23 21 13 23-2298 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	27.29	16.62
For Work In Restricted Working Space, Add	7.47	
23 21 13 23-2299 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	38.09	23.52
For Work In Restricted Working Space, Add	10.57	
23 21 13 23-2300 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	43.55	26.51
For Work In Restricted Working Space, Add	11.92	
23 21 13 23-2301 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	55.18	33.69
For Work In Restricted Working Space, Add	15.14	
23 21 13 23-2302 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	81.20	49.85
For Work In Restricted Working Space, Add	22.40	
23 21 13 23-2303 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	107.83	65.53
For Work In Restricted Working Space, Add	29.48	
23 21 13 23-2304 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	128.96	77.84
For Work In Restricted Working Space, Add	35.00	
23 21 13 23-2305 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters (23 21 13 23-2207)		
23 21 13 23-2306 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	15.66	10.08
For Work In Restricted Working Space, Add	4.52	
23 21 13 23-2307 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	20.86	13.35
For Work In Restricted Working Space, Add	6.02	
23 21 13 23-2308 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	25.79	16.62
For Work In Restricted Working Space, Add	7.47	
23 21 13 23-2309 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	36.66	23.52
For Work In Restricted Working Space, Add	10.57	
23 21 13 23-2310 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	41.40	26.51
For Work In Restricted Working Space, Add	11.92	
23 21 13 23-2311 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	52.73	33.69
For Work In Restricted Working Space, Add	15.14	
23 21 13 23-2312 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	84.55	49.85
For Work In Restricted Working Space, Add	22.40	
23 21 13 23-2313 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	111.54	65.53
For Work In Restricted Working Space, Add	29.48	
23 21 13 23-2314 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	138.66	77.84
For Work In Restricted Working Space, Add	35.00	
23 21 13 23-2315 Schedule 40 Polyvinyl Chloride (PVC) P-Traps (23 21 13 23-2207)		
23 21 13 23-2316 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) P-Traps.....	24.90	13.72
For Work In Restricted Working Space, Add	6.16	
23 21 13 23-2317 Schedule 40 Polyvinyl Chloride (PVC) Couplings (23 21 13 23-2207)		
23 21 13 23-2318 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	15.42	10.08
For Work In Restricted Working Space, Add	4.52	
23 21 13 23-2319 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	20.56	13.35
For Work In Restricted Working Space, Add	6.02	
23 21 13 23-2320 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	25.79	16.62
For Work In Restricted Working Space, Add	7.47	
23 21 13 23-2321 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	36.42	23.52
For Work In Restricted Working Space, Add	10.57	
23 21 13 23-2322 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	41.04	26.51
For Work In Restricted Working Space, Add	11.92	
23 21 13 23-2323 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	52.49	33.69
For Work In Restricted Working Space, Add	15.14	
23 21 13 23-2324 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	79.22	49.85
For Work In Restricted Working Space, Add	22.40	
23 21 13 23-2325 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	105.38	65.53
For Work In Restricted Working Space, Add	29.48	
23 21 13 23-2326 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	127.04	77.84
For Work In Restricted Working Space, Add	35.00	
23 21 13 23-2327 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	166.17	88.95
For Work In Restricted Working Space, Add	40.01	
23 21 13 23-2328 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	216.88	103.80
For Work In Restricted Working Space, Add	46.67	
23 21 13 23-2329 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	448.20	111.26
For Work In Restricted Working Space, Add	50.02	
23 21 13 23-2330 Schedule 40 Polyvinyl Chloride (PVC) Unions (23 21 13 23-2207)		
23 21 13 23-2331 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	27.25	16.62
For Work In Restricted Working Space, Add	7.47	
23 21 13 23-2332 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	40.23	20.07
For Work In Restricted Working Space, Add	9.03	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2333 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	51.04 11.92	26.51
23 21 13 23-2334 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	78.00 15.14	33.69
23 21 13 23-2335 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	88.97 18.07	40.14
23 21 13 23-2336 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	113.42 22.40	49.85
23 21 13 23-2337 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	168.56 29.48	65.53
23 21 13 23-2338 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	191.18 35.00	77.84
23 21 13 23-2339 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	303.30 46.67	103.80
23 21 13 23-2340 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	398.69 60.20	133.85
23 21 13 23-2341 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	575.51 74.63	165.96
23 21 13 23-2342 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	847.45 92.67	206.00
23 21 13 23-2343 Schedule 40 Polyvinyl Chloride (PVC) Caps (23 21 13 23-2207)		
23 21 13 23-2344 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	15.74 4.58	10.22
23 21 13 23-2345 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	20.68 6.02	13.35
23 21 13 23-2346 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	25.85 7.47	16.62
23 21 13 23-2347 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	37.02 10.71	23.84
23 21 13 23-2348 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	41.16 11.92	26.51
23 21 13 23-2349 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	52.19 15.14	33.69
23 21 13 23-2350 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	80.36 22.40	49.85
23 21 13 23-2351 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	104.42 29.48	65.53
23 21 13 23-2352 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	130.81 35.00	77.84
23 21 13 23-2353 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	167.19 40.01	88.95
23 21 13 23-2354 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	268.75 46.67	103.80
23 21 13 23-2355 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	585.54 50.02	111.26
23 21 13 23-2356 Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges (23 21 13 23-2207)		
23 21 13 23-2357 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Socket Weld Flanges..... <i>For Work In Restricted Working Space, Add</i>	36.93 7.47	16.62
23 21 13 23-2358 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	48.56 9.03	20.07
23 21 13 23-2359 EA 1" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	60.26 11.92	26.51
23 21 13 23-2360 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	71.59 15.14	33.69
23 21 13 23-2361 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	81.84 18.07	40.14
23 21 13 23-2362 EA 2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	103.42 22.40	49.85
23 21 13 23-2363 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	142.63 29.48	65.53
23 21 13 23-2364 EA 3" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	165.67 35.00	77.84
23 21 13 23-2365 EA 4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	217.60 46.67	103.80
23 21 13 23-2366 EA 6" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	298.20 60.20	133.85
23 21 13 23-2367 EA 8" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	468.85 74.63	165.96
23 21 13 23-2368 EA 10" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	804.45 92.53	205.72
23 21 13 23-2369 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings (23 21 13 23-2206) Note: ASTM D1785 with D2467 fittings.		
23 21 13 23-2370 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe (23 21 13 23-2369)		
23 21 13 23-2371 LF 1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	4.43 1.20	2.70
23 21 13 23-2372 LF 3/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	5.55 1.50	3.36

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2373 LF 1" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe For Work In Restricted Working Space, Add	6.81 1.80	4.01
23 21 13 23-2374 LF 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe For Work In Restricted Working Space, Add	8.11 2.11	4.67
23 21 13 23-2375 LF 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe For Work In Restricted Working Space, Add	9.32 2.40	5.32
23 21 13 23-2376 LF 2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe For Work In Restricted Working Space, Add	11.93 3.01	6.72
23 21 13 23-2377 LF 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe For Work In Restricted Working Space, Add	13.87 3.31	7.37
23 21 13 23-2378 LF 3" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe For Work In Restricted Working Space, Add	15.80 3.61	8.03
23 21 13 23-2379 LF 4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe For Work In Restricted Working Space, Add	20.58 4.52	10.08
23 21 13 23-2380 LF 6" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe For Work In Restricted Working Space, Add	30.57 6.02	13.35
23 21 13 23-2381 LF 8" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe For Work In Restricted Working Space, Add	39.91 7.18	15.96
23 21 13 23-2382 LF 10" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe For Work In Restricted Working Space, Add	75.02 7.73	17.17
23 21 13 23-2383 Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows (23 21 13 23-2369)		
23 21 13 23-2384 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows For Work In Restricted Working Space, Add For Threaded Fittings, Add	17.22 4.52 2.26	10.08
23 21 13 23-2385 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows For Work In Restricted Working Space, Add For Threaded Fittings, Add	22.89 6.02 3.01	13.35
23 21 13 23-2386 EA 1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows For Work In Restricted Working Space, Add For Threaded Fittings, Add	29.44 7.47 3.73	16.62
23 21 13 23-2387 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows For Work In Restricted Working Space, Add For Threaded Fittings, Add	41.27 10.57 5.28	23.52
23 21 13 23-2388 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows For Work In Restricted Working Space, Add For Threaded Fittings, Add	46.19 11.92 5.96	26.51
23 21 13 23-2389 EA 2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows For Work In Restricted Working Space, Add For Threaded Fittings, Add	58.30 15.14 7.57	33.69
23 21 13 23-2390 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows For Work In Restricted Working Space, Add For Threaded Fittings, Add	93.06 22.40 11.20	49.85
23 21 13 23-2391 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows For Work In Restricted Working Space, Add For Threaded Fittings, Add	118.91 29.48 14.74	65.53
23 21 13 23-2392 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows For Work In Restricted Working Space, Add For Threaded Fittings, Add	148.06 35.00 17.50	77.84
23 21 13 23-2393 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows For Work In Restricted Working Space, Add For Threaded Fittings, Add	246.72 40.01 20.00	88.95
23 21 13 23-2394 EA 8" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows For Work In Restricted Working Space, Add For Threaded Fittings, Add	402.00 46.67 23.33	103.80
23 21 13 23-2395 EA 10" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows For Work In Restricted Working Space, Add For Threaded Fittings, Add	538.60 78.25 39.13	173.98
23 21 13 23-2396 Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows (23 21 13 23-2369)		
23 21 13 23-2397 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows For Work In Restricted Working Space, Add For Threaded Fittings, Add	19.19 4.52 2.26	10.08
23 21 13 23-2398 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows For Work In Restricted Working Space, Add For Threaded Fittings, Add	26.37 6.02 3.01	13.35
23 21 13 23-2399 EA 1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows For Work In Restricted Working Space, Add For Threaded Fittings, Add	34.35 7.47 3.73	16.62
23 21 13 23-2400 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows For Work In Restricted Working Space, Add For Threaded Fittings, Add	47.32 10.57 5.28	23.52
23 21 13 23-2401 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows For Work In Restricted Working Space, Add For Threaded Fittings, Add	53.97 11.92 5.96	26.51
23 21 13 23-2402 EA 2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows For Work In Restricted Working Space, Add For Threaded Fittings, Add	68.96 15.14 7.57	33.69
23 21 13 23-2403 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows For Work In Restricted Working Space, Add For Threaded Fittings, Add	113.60 22.40 11.20	49.85

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2404	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows..... For Work In Restricted Working Space, Add For Threaded Fittings, Add	145.62 29.48 14.74	65.53
23 21 13 23-2405	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows..... For Work In Restricted Working Space, Add For Threaded Fittings, Add	202.03 35.00 17.50	77.84
23 21 13 23-2406	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows..... For Work In Restricted Working Space, Add For Threaded Fittings, Add	240.80 40.01 20.00	88.95
23 21 13 23-2407	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows..... For Work In Restricted Working Space, Add For Threaded Fittings, Add	388.54 46.67 23.33	103.80
23 21 13 23-2408	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows..... For Work In Restricted Working Space, Add For Threaded Fittings, Add	523.46 78.25 39.13	173.98
23 21 13 23-2409 Schedule 80 Polyvinyl Chloride (PVC) Tees (23 21 13 23-2369)				
23 21 13 23-2410	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees..... For Work In Restricted Working Space, Add For Threaded Fittings, Add	29.80 7.09 3.54	15.77
23 21 13 23-2411	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Tees..... For Work In Restricted Working Space, Add For Threaded Fittings, Add	36.58 9.03 4.52	20.07
23 21 13 23-2412	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees..... For Work In Restricted Working Space, Add For Threaded Fittings, Add	47.81 11.92 5.96	26.51
23 21 13 23-2413	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Tees..... For Work In Restricted Working Space, Add For Threaded Fittings, Add	72.79 15.14 7.57	33.69
23 21 13 23-2414	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees..... For Work In Restricted Working Space, Add For Threaded Fittings, Add	82.56 18.07 9.03	40.14
23 21 13 23-2415	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees..... For Work In Restricted Working Space, Add For Threaded Fittings, Add	102.64 22.40 11.20	49.85
23 21 13 23-2416	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees..... For Work In Restricted Working Space, Add For Threaded Fittings, Add	128.68 29.48 14.74	65.53
23 21 13 23-2417	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees..... For Work In Restricted Working Space, Add For Threaded Fittings, Add	154.65 35.00 17.50	77.84
23 21 13 23-2418	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees..... For Work In Restricted Working Space, Add For Threaded Fittings, Add	199.58 46.67 23.33	103.80
23 21 13 23-2419	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees..... For Work In Restricted Working Space, Add For Threaded Fittings, Add	351.12 60.22 30.11	133.85
23 21 13 23-2420	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Tees..... For Work In Restricted Working Space, Add For Threaded Fittings, Add	597.71 74.67 37.34	166.05
23 21 13 23-2421	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Tees..... For Work In Restricted Working Space, Add For Threaded Fittings, Add	1,398.47 111.60 55.80	248.09
23 21 13 23-2422 Schedule 80 Polyvinyl Chloride (PVC) Crosses (23 21 13 23-2369)				
23 21 13 23-2423	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses..... For Work In Restricted Working Space, Add For Threaded Fittings, Add	39.21 8.86 4.43	19.69
23 21 13 23-2424	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses..... For Work In Restricted Working Space, Add For Threaded Fittings, Add	47.77 11.29 5.64	25.11
23 21 13 23-2425	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Crosses..... For Work In Restricted Working Space, Add For Threaded Fittings, Add	62.32 14.90 7.45	33.14
23 21 13 23-2426	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses..... For Work In Restricted Working Space, Add For Threaded Fittings, Add	98.09 18.92 9.46	42.09
23 21 13 23-2427	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses..... For Work In Restricted Working Space, Add For Threaded Fittings, Add	110.29 22.58 11.29	50.22
23 21 13 23-2428	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Crosses..... For Work In Restricted Working Space, Add For Threaded Fittings, Add	137.18 28.00 14.00	62.26
23 21 13 23-2429	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses..... For Work In Restricted Working Space, Add For Threaded Fittings, Add	170.52 36.85 18.42	81.96
23 21 13 23-2430	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Crosses..... For Work In Restricted Working Space, Add For Threaded Fittings, Add	205.37 43.75 21.88	97.26
23 21 13 23-2431	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Crosses..... For Work In Restricted Working Space, Add For Threaded Fittings, Add	263.47 58.34 29.17	129.74

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2432 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Crosses..... For Work In Restricted Working Space, Add For Threaded Fittings, Add	486.56 75.24 37.62	167.26
23 21 13 23-2433 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Crosses..... For Work In Restricted Working Space, Add For Threaded Fittings, Add	857.75 93.29 46.64	207.40
23 21 13 23-2434 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Crosses..... For Work In Restricted Working Space, Add For Threaded Fittings, Add	2,074.33 139.56 69.78	310.25
23 21 13 23-2435 Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts (23 21 13 23-2369)		
23 21 13 23-2436 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... For Work In Restricted Working Space, Add	21.34 6.02	13.35
23 21 13 23-2437 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... For Work In Restricted Working Space, Add	28.54 7.47	16.62
23 21 13 23-2438 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... For Work In Restricted Working Space, Add	40.97 10.57	23.52
23 21 13 23-2439 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... For Work In Restricted Working Space, Add	47.56 11.92	26.51
23 21 13 23-2440 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... For Work In Restricted Working Space, Add	61.65 15.14	33.69
23 21 13 23-2441 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... For Work In Restricted Working Space, Add	94.07 22.40	49.85
23 21 13 23-2442 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... For Work In Restricted Working Space, Add	129.09 29.48	65.53
23 21 13 23-2443 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... For Work In Restricted Working Space, Add	159.44 35.00	77.84
23 21 13 23-2444 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... For Work In Restricted Working Space, Add	180.78 40.01	88.95
23 21 13 23-2445 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... For Work In Restricted Working Space, Add	260.84 46.67	103.80
23 21 13 23-2446 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... For Work In Restricted Working Space, Add	405.89 54.22	120.50
23 21 13 23-2447 Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts (23 21 13 23-2369)		
23 21 13 23-2448 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts..... For Work In Restricted Working Space, Add	15.48 4.52	10.08
23 21 13 23-2449 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts..... For Work In Restricted Working Space, Add	22.42 6.02	13.35
23 21 13 23-2450 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts..... For Work In Restricted Working Space, Add	28.54 7.47	16.62
23 21 13 23-2451 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts..... For Work In Restricted Working Space, Add	42.65 10.57	23.52
23 21 13 23-2452 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts..... For Work In Restricted Working Space, Add	49.06 11.92	26.51
23 21 13 23-2453 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts..... For Work In Restricted Working Space, Add	61.89 15.14	33.69
23 21 13 23-2454 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts..... For Work In Restricted Working Space, Add	98.86 22.40	49.85
23 21 13 23-2455 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts..... For Work In Restricted Working Space, Add	143.04 29.48	65.53
23 21 13 23-2456 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts..... For Work In Restricted Working Space, Add	185.55 35.00	77.84
23 21 13 23-2457 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters (23 21 13 23-2369)		
23 21 13 23-2458 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... For Work In Restricted Working Space, Add	20.15 4.52	10.08
23 21 13 23-2459 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... For Work In Restricted Working Space, Add	25.71 6.02	13.35
23 21 13 23-2460 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... For Work In Restricted Working Space, Add	34.71 7.47	16.62
23 21 13 23-2461 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... For Work In Restricted Working Space, Add	46.72 10.57	23.52
23 21 13 23-2462 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... For Work In Restricted Working Space, Add	56.25 11.92	26.51
23 21 13 23-2463 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... For Work In Restricted Working Space, Add	72.01 15.14	33.69
23 21 13 23-2464 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... For Work In Restricted Working Space, Add	99.22 22.40	49.85
23 21 13 23-2465 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... For Work In Restricted Working Space, Add	125.50 29.48	65.53
23 21 13 23-2466 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... For Work In Restricted Working Space, Add	165.13 35.00	77.84
23 21 13 23-2467 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters (23 21 13 23-2369)		
23 21 13 23-2468 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... For Work In Restricted Working Space, Add	18.77 4.52	10.08

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2469 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....25.59 <i>For Work In Restricted Working Space, Add</i> 6.02		13.35
23 21 13 23-2470 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....33.03 <i>For Work In Restricted Working Space, Add</i> 7.47		16.62
23 21 13 23-2471 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....48.45 <i>For Work In Restricted Working Space, Add</i> 10.57		23.52
23 21 13 23-2472 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....55.95 <i>For Work In Restricted Working Space, Add</i> 11.92		26.51
23 21 13 23-2473 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....78.72 <i>For Work In Restricted Working Space, Add</i> 15.14		33.69
23 21 13 23-2474 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....119.35 <i>For Work In Restricted Working Space, Add</i> 22.40		49.85
23 21 13 23-2475 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....148.55 <i>For Work In Restricted Working Space, Add</i> 29.48		65.53
23 21 13 23-2476 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....203.16 <i>For Work In Restricted Working Space, Add</i> 35.00		77.84
23 21 13 23-2477 Schedule 80 Polyvinyl Chloride (PVC) Couplings (23 21 13 23-2369)		
23 21 13 23-2478 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....19.01 <i>For Work In Restricted Working Space, Add</i> 4.52 <i>For Threaded Fittings, Add</i> 2.26		10.08
23 21 13 23-2479 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....25.41 <i>For Work In Restricted Working Space, Add</i> 6.02 <i>For Threaded Fittings, Add</i> 3.01		13.35
23 21 13 23-2480 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....30.40 <i>For Work In Restricted Working Space, Add</i> 7.47 <i>For Threaded Fittings, Add</i> 3.73		16.62
23 21 13 23-2481 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....43.66 <i>For Work In Restricted Working Space, Add</i> 10.57 <i>For Threaded Fittings, Add</i> 5.28		23.52
23 21 13 23-2482 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....48.82 <i>For Work In Restricted Working Space, Add</i> 11.92 <i>For Threaded Fittings, Add</i> 5.96		26.51
23 21 13 23-2483 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....60.15 <i>For Work In Restricted Working Space, Add</i> 15.14 <i>For Threaded Fittings, Add</i> 7.57		33.69
23 21 13 23-2484 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....98.68 <i>For Work In Restricted Working Space, Add</i> 22.40 <i>For Threaded Fittings, Add</i> 11.20		49.85
23 21 13 23-2485 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....125.86 <i>For Work In Restricted Working Space, Add</i> 29.48 <i>For Threaded Fittings, Add</i> 14.74		65.53
23 21 13 23-2486 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....151.29 <i>For Work In Restricted Working Space, Add</i> 35.00 <i>For Threaded Fittings, Add</i> 17.50		77.84
23 21 13 23-2487 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....207.79 <i>For Work In Restricted Working Space, Add</i> 40.01 <i>For Threaded Fittings, Add</i> 20.00		88.95
23 21 13 23-2488 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....256.89 <i>For Work In Restricted Working Space, Add</i> 46.67 <i>For Threaded Fittings, Add</i> 23.33		103.80
23 21 13 23-2489 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....466.17 <i>For Work In Restricted Working Space, Add</i> 50.02 <i>For Threaded Fittings, Add</i> 25.01		111.26
23 21 13 23-2490 Schedule 80 Polyvinyl Chloride (PVC) Unions (23 21 13 23-2369)		
23 21 13 23-2491 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions.....33.75 <i>For Work In Restricted Working Space, Add</i> 7.47		16.62
23 21 13 23-2492 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Unions.....40.35 <i>For Work In Restricted Working Space, Add</i> 9.03		20.07
23 21 13 23-2493 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Unions.....51.40 <i>For Work In Restricted Working Space, Add</i> 11.92		26.51
23 21 13 23-2494 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Unions.....79.68 <i>For Work In Restricted Working Space, Add</i> 15.14		33.69
23 21 13 23-2495 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions.....97.83 <i>For Work In Restricted Working Space, Add</i> 18.07		40.14
23 21 13 23-2496 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Unions.....125.63 <i>For Work In Restricted Working Space, Add</i> 22.40		49.85
23 21 13 23-2497 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions.....193.14 <i>For Work In Restricted Working Space, Add</i> 29.48		65.53
23 21 13 23-2498 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Unions.....238.99 <i>For Work In Restricted Working Space, Add</i> 35.00		77.84
23 21 13 23-2499 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Unions.....303.66 <i>For Work In Restricted Working Space, Add</i> 46.67		103.80
23 21 13 23-2500 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Unions.....398.69 <i>For Work In Restricted Working Space, Add</i> 60.20		133.85
23 21 13 23-2501 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Unions.....575.51 <i>For Work In Restricted Working Space, Add</i> 74.63		165.96
23 21 13 23-2502 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Unions.....846.97 <i>For Work In Restricted Working Space, Add</i> 92.53		205.72

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2503 Schedule 80 Polyvinyl Chloride (PVC) Threaded Unions (23 21 13 23-2369)		
23 21 13 23-2504 EA 1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	35.87	20.74
23 21 13 23-2505 EA 3/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	42.59	23.99
23 21 13 23-2506 EA 1", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	51.38	28.29
23 21 13 23-2507 EA 1-1/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	67.48	33.69
23 21 13 23-2508 EA 1-1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	81.20	40.14
23 21 13 23-2509 EA 2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	106.71	49.85
23 21 13 23-2510 EA 3", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	226.05	96.61
23 21 13 23-2511 EA 4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	245.79	107.16
23 21 13 23-2512 Schedule 80 Polyvinyl Chloride (PVC) Caps (23 21 13 23-2369)		
23 21 13 23-2513 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	20.63	10.08
For Work In Restricted Working Space, Add	4.52	
For Threaded Fittings, Add	2.26	
23 21 13 23-2514 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	25.95	13.35
For Work In Restricted Working Space, Add	6.02	
For Threaded Fittings, Add	3.01	
23 21 13 23-2515 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Caps	35.31	16.62
For Work In Restricted Working Space, Add	7.47	
For Threaded Fittings, Add	3.73	
23 21 13 23-2516 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	47.80	23.52
For Work In Restricted Working Space, Add	10.57	
For Threaded Fittings, Add	5.28	
23 21 13 23-2517 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	52.30	26.51
For Work In Restricted Working Space, Add	11.92	
For Threaded Fittings, Add	5.96	
23 21 13 23-2518 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Caps	69.31	33.69
For Work In Restricted Working Space, Add	15.14	
For Threaded Fittings, Add	7.57	
23 21 13 23-2519 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	113.42	49.85
For Work In Restricted Working Space, Add	22.40	
For Threaded Fittings, Add	11.20	
23 21 13 23-2520 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Caps	145.62	65.53
For Work In Restricted Working Space, Add	29.48	
For Threaded Fittings, Add	14.74	
23 21 13 23-2521 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Caps	192.86	77.84
For Work In Restricted Working Space, Add	35.00	
For Threaded Fittings, Add	17.50	
23 21 13 23-2522 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Caps	322.60	88.95
For Work In Restricted Working Space, Add	40.01	
For Threaded Fittings, Add	20.00	
23 21 13 23-2523 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Caps	415.53	103.80
For Work In Restricted Working Space, Add	46.67	
For Threaded Fittings, Add	23.33	
23 21 13 23-2524 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Caps	645.42	111.26
For Work In Restricted Working Space, Add	50.02	
For Threaded Fittings, Add	25.01	
23 21 13 23-2525 Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges (23 21 13 23-2369)		
23 21 13 23-2526 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	42.08	16.62
For Work In Restricted Working Space, Add	7.47	
For Threaded Fittings, Add	3.73	
23 21 13 23-2527 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	48.56	20.07
For Work In Restricted Working Space, Add	9.03	
For Threaded Fittings, Add	4.52	
23 21 13 23-2528 EA 1" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	60.26	26.51
For Work In Restricted Working Space, Add	11.92	
For Threaded Fittings, Add	5.96	
23 21 13 23-2529 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	71.59	33.69
For Work In Restricted Working Space, Add	15.14	
For Threaded Fittings, Add	7.57	
23 21 13 23-2530 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	81.84	40.14
For Work In Restricted Working Space, Add	18.07	
For Threaded Fittings, Add	9.03	
23 21 13 23-2531 EA 2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	103.42	49.85
For Work In Restricted Working Space, Add	22.40	
For Threaded Fittings, Add	11.20	
23 21 13 23-2532 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	142.63	65.53
For Work In Restricted Working Space, Add	29.48	
For Threaded Fittings, Add	14.74	
23 21 13 23-2533 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	165.67	77.84
For Work In Restricted Working Space, Add	35.00	
For Threaded Fittings, Add	17.50	
23 21 13 23-2534 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	217.60	103.80
For Work In Restricted Working Space, Add	46.67	
For Threaded Fittings, Add	23.33	
23 21 13 23-2535 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	298.21	133.85
For Work In Restricted Working Space, Add	60.20	
For Threaded Fittings, Add	30.10	
23 21 13 23-2536 EA 8" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	468.85	165.96
For Work In Restricted Working Space, Add	74.63	
For Threaded Fittings, Add	37.32	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2537 EA 10" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	804.45	205.72
For Work In Restricted Working Space, Add	92.53	
For Threaded Fittings, Add	46.26	
23 21 13 23-2538 Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe (23 21 13 23-2206)		
Note: In place pipe.		
23 21 13 23-2539 EA 1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	5.07	
For Work In Restricted Working Space, Add	1.52	
23 21 13 23-2540 EA 3/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	5.47	
For Work In Restricted Working Space, Add	1.64	
23 21 13 23-2541 EA 1", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	6.16	
For Work In Restricted Working Space, Add	1.85	
23 21 13 23-2542 EA 1-1/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	6.46	
For Work In Restricted Working Space, Add	1.94	
23 21 13 23-2543 EA 1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	6.84	
For Work In Restricted Working Space, Add	2.05	
23 21 13 23-2544 EA 2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	7.53	
For Work In Restricted Working Space, Add	2.26	
23 21 13 23-2545 EA 2-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	8.10	
For Work In Restricted Working Space, Add	2.43	
23 21 13 23-2546 EA 3", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	9.57	
For Work In Restricted Working Space, Add	2.87	
23 21 13 23-2547 EA 4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	12.92	
For Work In Restricted Working Space, Add	3.88	
23 21 13 23-2548 EA 6", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	18.46	
For Work In Restricted Working Space, Add	5.54	
23 21 13 23-2549 EA 8", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	24.63	
For Work In Restricted Working Space, Add	7.39	
23 21 13 23-2550 EA 10", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	30.11	
For Work In Restricted Working Space, Add	9.03	
23 21 13 23-2551 Polyethylene Pipe And Fittings (23 21 13 23)		
23 21 13 23-2552 Small Diameter Tubing (23 21 13 23-2551)		
23 21 13 23-2553 Tubing (23 21 13 23-2552)		
23 21 13 23-2554 LF 1/4" Polyethylene Tubing	2.89	
For Work In Restricted Working Space, Add	0.84	
23 21 13 23-2555 LF 5/16" Polyethylene Tubing	3.02	
For Work In Restricted Working Space, Add	0.86	
23 21 13 23-2556 LF 3/8" Polyethylene Tubing	3.12	
For Work In Restricted Working Space, Add	0.88	
23 21 13 23-2557 LF 1/2" Polyethylene Tubing	3.31	
For Work In Restricted Working Space, Add	0.95	
23 21 13 23-2558 Chrome Plated Pipe (23 21 13 23)		
23 21 13 23-2559 Chrome Plated Nipples (23 21 13 23-2558)		
23 21 13 23-2560 Close (23 21 13 23-2559)		
23 21 13 23-2561 EA 1/4" Diameter Chrome Plated Nipple, Close	18.70	8.10
23 21 13 23-2562 EA 3/8" Diameter Chrome Plated Nipple, Close	17.68	8.82
23 21 13 23-2563 EA 1/2" Diameter Chrome Plated Nipple, Close	22.13	10.14
23 21 13 23-2564 EA 3/4" Diameter Chrome Plated Nipple, Close	29.13	12.87
23 21 13 23-2565 EA 1" Diameter Chrome Plated Nipple, Close	39.07	16.92
23 21 13 23-2566 EA 1-1/4" Diameter Chrome Plated Nipple, Close	55.40	23.61
23 21 13 23-2567 EA 1-1/2" Diameter Chrome Plated Nipple, Close	67.83	27.67
23 21 13 23-2568 EA 2" Diameter Chrome Plated Nipple, Close	87.68	34.46
23 21 13 23-2569 1-1/2" Nipples (23 21 13 23-2559)		
23 21 13 23-2570 EA 1/4" Diameter, 1-1/2" Length, Chrome Plated Nipple	20.02	8.42
23 21 13 23-2571 EA 3/8" Diameter, 1-1/2" Length, Chrome Plated Nipple	18.69	9.12
23 21 13 23-2572 EA 1/2" Diameter, 1-1/2" Length, Chrome Plated Nipple	22.66	10.44
23 21 13 23-2573 EA 3/4" Diameter, 1-1/2" Length, Chrome Plated Nipple	30.18	13.17
23 21 13 23-2574 2" Nipples (23 21 13 23-2559)		
23 21 13 23-2575 EA 1/4" Diameter, 2" Length, Chrome Plated Nipple	20.83	8.82
23 21 13 23-2576 EA 3/8" Diameter, 2" Length, Chrome Plated Nipple	19.34	9.42
23 21 13 23-2577 EA 1/2" Diameter, 2" Length, Chrome Plated Nipple	24.52	10.84
23 21 13 23-2578 EA 3/4" Diameter, 2" Length, Chrome Plated Nipple	31.75	13.48
23 21 13 23-2579 EA 1" Diameter, 2" Length, Chrome Plated Nipple	41.39	17.54
23 21 13 23-2580 EA 1-1/4" Diameter, 2" Length, Chrome Plated Nipple	59.26	24.32
23 21 13 23-2581 EA 1-1/2" Diameter, 2" Length, Chrome Plated Nipple	72.34	28.38
23 21 13 23-2582 2-1/2" Nipples (23 21 13 23-2559)		
23 21 13 23-2583 EA 1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	22.05	9.12
23 21 13 23-2584 EA 3/8" Diameter, 2-1/2" Length, Chrome Plated Nipple	20.04	9.83

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2585 EA 1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	25.60	11.15
23 21 13 23-2586 EA 3/4" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	32.51	13.89
23 21 13 23-2587 EA 1" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	42.59	17.94
23 21 13 23-2588 EA 1-1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	63.07	24.62
23 21 13 23-2589 EA 1-1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	77.42	28.68
23 21 13 23-2590 EA 2" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	98.73	35.47
23 21 13 23-2591 3" Nipples (23 21 13 23-2559)		
23 21 13 23-2592 EA 1/4" Diameter, 3" Length, Chrome Plated Nipple.....	22.99	9.42
23 21 13 23-2593 EA 3/8" Diameter, 3" Length, Chrome Plated Nipple.....	21.29	10.14
23 21 13 23-2594 EA 1/2" Diameter, 3" Length, Chrome Plated Nipple.....	25.31	10.84
23 21 13 23-2595 EA 3/4" Diameter, 3" Length, Chrome Plated Nipple.....	35.26	14.19
23 21 13 23-2596 EA 1" Diameter, 3" Length, Chrome Plated Nipple.....	48.28	18.24
23 21 13 23-2597 EA 1-1/4" Diameter, 3" Length, Chrome Plated Nipple.....	67.21	25.04
23 21 13 23-2598 EA 1-1/2" Diameter, 3" Length, Chrome Plated Nipple.....	89.51	29.09
23 21 13 23-2599 EA 2" Diameter, 3" Length, Chrome Plated Nipple.....	108.18	35.88
23 21 13 23-2600 3-1/2" Nipples (23 21 13 23-2559)		
23 21 13 23-2601 EA 1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	24.05	9.83
23 21 13 23-2602 EA 3/8" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	23.46	10.44
23 21 13 23-2603 EA 1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	27.91	11.85
23 21 13 23-2604 EA 3/4" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	39.36	14.49
23 21 13 23-2605 EA 1" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	50.43	18.54
23 21 13 23-2606 EA 1-1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	75.44	25.34
23 21 13 23-2607 EA 1-1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	93.09	29.39
23 21 13 23-2608 EA 2" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	115.69	36.18
23 21 13 23-2609 4" Nipples (23 21 13 23-2559)		
23 21 13 23-2610 EA 1/4" Diameter, 4" Length, Chrome Plated Nipple.....	25.11	10.14
23 21 13 23-2611 EA 3/8" Diameter, 4" Length, Chrome Plated Nipple.....	24.03	10.84
23 21 13 23-2612 EA 1/2" Diameter, 4" Length, Chrome Plated Nipple.....	28.25	11.45
23 21 13 23-2613 EA 3/4" Diameter, 4" Length, Chrome Plated Nipple.....	40.94	14.90
23 21 13 23-2614 EA 1" Diameter, 4" Length, Chrome Plated Nipple.....	52.47	18.95
23 21 13 23-2615 EA 1-1/4" Diameter, 4" Length, Chrome Plated Nipple.....	81.68	25.64
23 21 13 23-2616 EA 1-1/2" Diameter, 4" Length, Chrome Plated Nipple.....	100.50	29.69
23 21 13 23-2617 EA 2" Diameter, 4" Length, Chrome Plated Nipple.....	124.88	36.49
23 21 13 23-2618 4-1/2" Nipples (23 21 13 23-2559)		
23 21 13 23-2619 EA 1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	26.05	10.44
23 21 13 23-2620 EA 3/8" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	26.20	11.15
23 21 13 23-2621 EA 1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	31.01	12.47
23 21 13 23-2622 EA 3/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	42.75	15.20
23 21 13 23-2623 EA 1" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	59.70	19.26
23 21 13 23-2624 EA 1-1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	87.66	26.04
23 21 13 23-2625 EA 1-1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	103.78	30.10
23 21 13 23-2626 EA 2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	133.33	36.89
23 21 13 23-2627 5" Nipples (23 21 13 23-2559)		
23 21 13 23-2628 EA 1/4" Diameter, 5" Length, Chrome Plated Nipple.....	29.44	10.84
23 21 13 23-2629 EA 3/8" Diameter, 5" Length, Chrome Plated Nipple.....	27.53	11.45
23 21 13 23-2630 EA 1/2" Diameter, 5" Length, Chrome Plated Nipple.....	32.15	12.87
23 21 13 23-2631 EA 3/4" Diameter, 5" Length, Chrome Plated Nipple.....	44.48	15.50
23 21 13 23-2632 EA 1" Diameter, 5" Length, Chrome Plated Nipple.....	64.07	19.56
23 21 13 23-2633 EA 1-1/4" Diameter, 5" Length, Chrome Plated Nipple.....	93.10	26.35
23 21 13 23-2634 EA 1-1/2" Diameter, 5" Length, Chrome Plated Nipple.....	111.22	30.41
23 21 13 23-2635 EA 2" Diameter, 5" Length, Chrome Plated Nipple.....	138.76	37.19
23 21 13 23-2636 5-1/2" Nipples (23 21 13 23-2559)		
23 21 13 23-2637 EA 1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	30.40	11.15
23 21 13 23-2638 EA 3/8" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	28.56	11.85
23 21 13 23-2639 EA 1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	35.53	13.17
23 21 13 23-2640 EA 3/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	46.22	15.91
23 21 13 23-2641 EA 1" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	66.31	19.97
23 21 13 23-2642 EA 1-1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	99.70	26.66
23 21 13 23-2643 EA 1-1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	117.15	30.71
23 21 13 23-2644 EA 2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	145.69	37.50
23 21 13 23-2645 6" Nipples (23 21 13 23-2559)		
23 21 13 23-2646 EA 1/4" Diameter, 6" Length, Chrome Plated Nipple.....	31.54	11.45
23 21 13 23-2647 EA 3/8" Diameter, 6" Length, Chrome Plated Nipple.....	29.10	12.17
23 21 13 23-2648 EA 1/2" Diameter, 6" Length, Chrome Plated Nipple.....	36.58	13.48
23 21 13 23-2649 EA 3/4" Diameter, 6" Length, Chrome Plated Nipple.....	47.61	16.22
23 21 13 23-2650 EA 1" Diameter, 6" Length, Chrome Plated Nipple.....	73.34	20.27

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2651	EA	1-1/4" Diameter, 6" Length, Chrome Plated Nipple	103.73	27.06
23 21 13 23-2652	EA	1-1/2" Diameter, 6" Length, Chrome Plated Nipple	126.30	31.11
23 21 13 23-2653	EA	2" Diameter, 6" Length, Chrome Plated Nipple	152.04	37.91
23 21 13 23-2654		8" Nipples (23 21 13 23-2559)		
23 21 13 23-2655	EA	3/8" Diameter, 8" Length, Chrome Plated Nipple	35.23	12.87
23 21 13 23-2656	EA	1/2" Diameter, 8" Length, Chrome Plated Nipple	53.56	14.19
23 21 13 23-2657	EA	3/4" Diameter, 8" Length, Chrome Plated Nipple	65.23	16.92
23 21 13 23-2658	EA	1" Diameter, 8" Length, Chrome Plated Nipple	87.16	20.97
23 21 13 23-2659	EA	1-1/4" Diameter, 8" Length, Chrome Plated Nipple	125.78	27.67
23 21 13 23-2660	EA	1-1/2" Diameter, 8" Length, Chrome Plated Nipple	155.20	31.72
23 21 13 23-2661	EA	2" Diameter, 8" Length, Chrome Plated Nipple	191.42	38.51
23 21 13 23-2662		10" Nipples (23 21 13 23-2559)		
23 21 13 23-2663	EA	3/8" Diameter, 10" Length, Chrome Plated Nipple	41.26	12.87
23 21 13 23-2664	EA	1/2" Diameter, 10" Length, Chrome Plated Nipple	61.15	14.19
23 21 13 23-2665	EA	3/4" Diameter, 10" Length, Chrome Plated Nipple	74.02	16.92
23 21 13 23-2666	EA	1" Diameter, 10" Length, Chrome Plated Nipple	100.46	20.97
23 21 13 23-2667	EA	1-1/4" Diameter, 10" Length, Chrome Plated Nipple	154.26	27.67
23 21 13 23-2668	EA	1-1/2" Diameter, 10" Length, Chrome Plated Nipple	176.89	31.72
23 21 13 23-2669	EA	2" Diameter, 10" Length, Chrome Plated Nipple	226.10	38.51
23 21 13 23-2670		12" Nipples (23 21 13 23-2559)		
23 21 13 23-2671	EA	3/8" Diameter, 12" Length, Chrome Plated Nipple	46.08	14.19
23 21 13 23-2672	EA	1/2" Diameter, 12" Length, Chrome Plated Nipple	64.01	14.90
23 21 13 23-2673	EA	3/4" Diameter, 12" Length, Chrome Plated Nipple	82.10	17.54
23 21 13 23-2674	EA	1" Diameter, 12" Length, Chrome Plated Nipple	118.66	22.29
23 21 13 23-2675	EA	1-1/4" Diameter, 12" Length, Chrome Plated Nipple	173.70	29.09
23 21 13 23-2676	EA	2" Diameter, 12" Length, Chrome Plated Nipple	255.89	39.93
23 21 13 23-2677		18" Nipples (23 21 13 23-2559)		
23 21 13 23-2678	EA	3/8" Diameter, 18" Length, Chrome Plated Nipple	59.77	14.90
23 21 13 23-2679		24" Nipples (23 21 13 23-2559)		
23 21 13 23-2680	EA	3/8" Diameter, 24" Length, Chrome Plated Nipple	72.87	15.50
23 21 13 23-2681		30" Nipples (23 21 13 23-2559)		
23 21 13 23-2682	EA	3/8" Diameter, 30" Length, Chrome Plated Nipple	81.14	16.22
23 21 13 23-2683		36" Nipples (23 21 13 23-2559)		
23 21 13 23-2684	EA	3/8" Diameter, 36" Length, Chrome Plated Nipple	89.44	16.92
23 21 13 23-2685		Chrome Plated Fittings (23 21 13 23-2558)		
23 21 13 23-2686		Chrome Plated 90 Degree Elbows (23 21 13 23-2685)		
23 21 13 23-2687	EA	1/4" 90 Degree Elbow, Chrome Plated	24.33	9.42
23 21 13 23-2688	EA	3/8" 90 Degree Elbow, Chrome Plated	24.69	10.14
23 21 13 23-2689	EA	1/2" 90 Degree Elbow, Chrome Plated	27.94	10.84
23 21 13 23-2690	EA	3/4" 90 Degree Elbow, Chrome Plated	35.56	14.19
23 21 13 23-2691	EA	1" 90 Degree Elbow, Chrome Plated	48.54	18.24
23 21 13 23-2692	EA	1-1/4" 90 Degree Elbow, Chrome Plated	75.47	25.04
23 21 13 23-2693	EA	1-1/2" 90 Degree Elbow, Chrome Plated	90.92	29.09
23 21 13 23-2694	EA	2" 90 Degree Elbow, Chrome Plated	125.50	35.88
23 21 13 23-2695		Chrome Plated Street 90 Degree Elbows (23 21 13 23-2685)		
23 21 13 23-2696	EA	1/4" Street 90 Degree Elbow, Chrome Plated	28.58	9.42
23 21 13 23-2697	EA	3/8" Street 90 Degree Elbow, Chrome Plated	29.35	10.14
23 21 13 23-2698	EA	1/2" Street 90 Degree Elbow, Chrome Plated	31.18	10.84
23 21 13 23-2699	EA	3/4" Street 90 Degree Elbow, Chrome Plated	40.33	14.19
23 21 13 23-2700	EA	1" Street 90 Degree Elbow, Chrome Plated	57.36	18.24
23 21 13 23-2701	EA	1-1/4" Street 90 Degree Elbow, Chrome Plated	84.51	25.04
23 21 13 23-2702	EA	1-1/2" Street 90 Degree Elbow, Chrome Plated	103.58	29.09
23 21 13 23-2703	EA	2" Street 90 Degree Elbow, Chrome Plated	155.30	35.88
23 21 13 23-2704		Chrome Plated 45 Degree Elbows (23 21 13 23-2685)		
23 21 13 23-2705	EA	1/4" 45 Degree Elbow, Chrome Plated	25.26	9.42
23 21 13 23-2706	EA	3/8" 45 Degree Elbow, Chrome Plated	26.03	10.14
23 21 13 23-2707	EA	1/2" 45 Degree Elbow, Chrome Plated	28.90	10.84
23 21 13 23-2708	EA	3/4" 45 Degree Elbow, Chrome Plated	39.20	14.19



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Piping and Pumps			23 20
Hydronic Piping and Pumps			23 21

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2709 EA 1" 45 Degree Elbow, Chrome Plated	52.63	18.24
23 21 13 23-2710 EA 1-1/4" 45 Degree Elbow, Chrome Plated	80.37	25.04
23 21 13 23-2711 EA 1-1/2" 45 Degree Elbow, Chrome Plated	97.48	29.09
23 21 13 23-2712 EA 2" 45 Degree Elbow, Chrome Plated	143.53	35.88
23 21 13 23-2713 Chrome Plated Street 45 Degree Elbows (23 21 13 23-2685)		
23 21 13 23-2714 EA 1/2" Street 45 Degree Elbow, Chrome Plated	34.74	10.84
23 21 13 23-2715 Chrome Plated Couplings (23 21 13 23-2685)		
23 21 13 23-2716 EA 1/4" Coupling, Chrome Plated	23.75	9.42
23 21 13 23-2717 EA 3/8" Coupling, Chrome Plated	24.76	10.14
23 21 13 23-2718 EA 1/2" Coupling, Chrome Plated	28.18	10.84
23 21 13 23-2719 EA 3/4" Coupling, Chrome Plated	35.64	14.19
23 21 13 23-2720 EA 1" Coupling, Chrome Plated	46.53	18.24
23 21 13 23-2721 EA 1-1/4" Coupling, Chrome Plated	68.12	25.04
23 21 13 23-2722 EA 1-1/2" Coupling, Chrome Plated	84.77	29.09
23 21 13 23-2723 EA 2" Coupling, Chrome Plated	118.00	35.88
23 21 13 23-2724 Chrome Plated Unions (23 21 13 23-2685)		
23 21 13 23-2725 EA 1/4" Union, Chrome Plated	39.30	10.84
23 21 13 23-2726 EA 3/8" Union, Chrome Plated	40.34	11.45
23 21 13 23-2727 EA 1/2" Union, Chrome Plated	49.03	12.87
23 21 13 23-2728 EA 3/4" Union, Chrome Plated	60.55	16.92
23 21 13 23-2729 EA 1" Union, Chrome Plated	76.49	21.59
23 21 13 23-2730 EA 1-1/4" Union, Chrome Plated	125.65	29.09
23 21 13 23-2731 EA 1-1/2" Union, Chrome Plated	156.91	34.46
23 21 13 23-2732 EA 2" Union, Chrome Plated	205.59	41.96
23 21 13 23-2733 Chrome Plated Caps (23 21 13 23-2685)		
23 21 13 23-2734 EA 1/4" Cap, Chrome Plated	16.42	4.77
23 21 13 23-2735 EA 3/8" Cap, Chrome Plated	16.92	5.07
23 21 13 23-2736 EA 1/2" Cap, Chrome Plated	19.41	5.37
23 21 13 23-2737 EA 3/4" Cap, Chrome Plated	24.13	7.10
23 21 13 23-2738 EA 1" Cap, Chrome Plated	28.50	9.12
23 21 13 23-2739 EA 1-1/4" Cap, Chrome Plated	42.32	12.47
23 21 13 23-2740 EA 1-1/2" Cap, Chrome Plated	56.28	14.49
23 21 13 23-2741 EA 2" Cap, Chrome Plated	82.89	18.95
23 21 13 23-2742 Chrome Plated Plugs (23 21 13 23-2685)		
23 21 13 23-2743 EA 1/4" Plug, Chrome Plated	13.18	4.77
23 21 13 23-2744 EA 3/8" Plug, Chrome Plated	13.68	5.07
23 21 13 23-2745 EA 1/2" Plug, Chrome Plated	16.00	5.37
23 21 13 23-2746 EA 3/4" Plug, Chrome Plated	21.70	7.10
23 21 13 23-2747 EA 1" Plug, Chrome Plated	26.65	9.12
23 21 13 23-2748 EA 1-1/4" Plug, Chrome Plated	35.93	12.47
23 21 13 23-2749 EA 1-1/2" Plug, Chrome Plated	44.58	14.49
23 21 13 23-2750 EA 2" Plug, Chrome Plated	62.55	18.95
23 21 13 23-2751 Chrome Plated Tees (23 21 13 23-2685)		
23 21 13 23-2752 EA 1/4" Chrome Plated Tee	33.52	14.19
23 21 13 23-2753 EA 3/8" Chrome Plated Tee	35.54	15.50
23 21 13 23-2754 EA 1/2" Chrome Plated Tee	39.73	16.92
23 21 13 23-2755 EA 3/4" Chrome Plated Tee	49.51	20.97
23 21 13 23-2756 EA 1" Chrome Plated Tee	71.14	27.06
23 21 13 23-2757 EA 1-1/4" Chrome Plated Tee	98.10	37.19
23 21 13 23-2758 EA 1-1/2" Chrome Plated Tee	126.77	43.28
23 21 13 23-2759 EA 2" Chrome Plated Tee	175.53	53.41
23 21 13 23-2760 Chrome Plated Reducing 90 Degree Elbows (23 21 13 23-2685)		
23 21 13 23-2761 EA 1/2" x 3/8" Reducing 90 Degree Elbow, Chrome Plated	37.57	16.92
23 21 13 23-2762 EA 3/4" x 1/2" Reducing 90 Degree Elbow, Chrome Plated	43.65	20.97
23 21 13 23-2763 Chrome Plated Bell Reducers (23 21 13 23-2685)		
23 21 13 23-2764 EA 1/2" x 3/8" Bell Reducer, Chrome Plated	41.48	16.92
23 21 13 23-2765 EA 3/4" x 1/2" Bell Reducer, Chrome Plated	50.40	20.97
23 21 13 23-2766 EA 1" x 1/2" Bell Reducer, Chrome Plated	63.91	27.06
23 21 13 23-2767 Chrome Plated Reducing Tees (23 21 13 23-2685)		
23 21 13 23-2768 EA 3/4" x 1/2" Reducing Tee, Chrome Plated	55.37	20.97

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2769 Chrome Plated Bushings (23 21 13 23-2685)				
23 21 13 23-2770	EA	3/8" x 1/4" Bushing, Chrome Plated	13.08	4.77
23 21 13 23-2771	EA	1/2" x 1/4" Bushing, Chrome Plated	14.09	5.07
23 21 13 23-2772	EA	1/2" x 3/8" Bushing, Chrome Plated	14.59	5.37
23 21 13 23-2773	EA	3/4" x 1/2" Bushing, Chrome Plated	18.48	7.10
23 21 13 23-2774	EA	1" x 3/4" Bushing, Chrome Plated	27.27	9.12
23 21 13 23-2775	EA	1-1/4" x 1" Bushing, Chrome Plated	40.14	12.47
23 21 16 Hydronic Piping Specialties (23 21)				
23 21 16 00-0001 Air Vents (23 21 16)				
23 21 16 00-0002 Screwed Ends, Cast Iron, Automatic Air Vents (23 21 16 00-0001)				
Note: With guided free floating lever.				
23 21 16 00-0003	EA	1/2" NPT, Cast Iron, Automatic Air Vent	267.28	29.40
23 21 16 00-0004	EA	3/4" NPT, Cast Iron, Automatic Air Vent	327.49	39.03
23 21 16 00-0005	EA	1" NPT, Cast Iron, Automatic Air Vent	741.49	40.56
23 21 16 00-0006	EA	1-1/4" NPT, Cast Iron, Automatic Air Vent	1,099.75	62.66
23 21 16 00-0007	EA	1-1/2" NPT, Cast Iron, Automatic Air Vent	1,829.86	67.43
23 21 16 00-0008	EA	2" NPT, Cast Iron, Automatic Air Vent	2,102.32	88.93
23 21 16 00-0009 Forged Steel, Stainless Steel Internals, Automatic Air Vents (23 21 16 00-0001)				
Note: With guided free floating lever.				
23 21 16 00-0010	EA	1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	1,487.82	33.97
23 21 16 00-0011	EA	3/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	1,863.56	39.03
23 21 16 00-0012	EA	1" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	2,221.72	40.56
23 21 16 00-0013	EA	1-1/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	3,644.02	62.86
23 21 16 00-0014	EA	1-1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	4,207.17	67.43
23 21 16 00-0015	EA	2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	6,181.83	88.72
23 21 16 00-0016 Automatic Air Vent (23 21 16 00-0001)				
23 21 16 00-0017	EA	3/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	178.92	39.03
23 21 16 00-0018	EA	1" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	194.84	40.56
23 21 16 00-0019	EA	1-1/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	278.44	62.66
23 21 16 00-0020	EA	1-1/2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	339.30	67.43
23 21 16 00-0021	EA	2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	426.47	72.66
23 21 16 00-0022 Manual Air Vent (23 21 16 00-0001)				
23 21 16 00-0023	EA	Manual Air Vent	78.38	36.60
23 21 16 00-0024 Air Release Valves (23 21 16 00-0001)				
23 21 16 00-0025 Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) (23 21 16 00-0024)				
Note: Up to 175 psi. Stainless steel float.				
23 21 16 00-0026	EA	1/2" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	174.88	15.21
23 21 16 00-0027	EA	3/4" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	178.94	17.23
23 21 16 00-0028	EA	1" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	187.04	21.30
23 21 16 00-0029 Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200) (23 21 16 00-0024)				
Note: Up to 175 psi. Stainless steel float.				
23 21 16 00-0030	EA	1" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200A)	717.64	21.30
23 21 16 00-0031	EA	2" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)	860.52	37.01
23 21 16 00-0032	EA	3" Flanged, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)	1,128.24	86.29
23 21 16 00-0033 Cast Iron, Air/Vacuum Valves (23 21 16 00-0024)				
Note: Up to 150 psi. Stainless steel float.				
23 21 16 00-0034	EA	1/2" NPT, Cast Iron, Air/Vacuum Valve (Apco 141)	346.85	15.21
23 21 16 00-0035	EA	1" NPT, Cast Iron, Air/Vacuum Valve (Apco 142)	427.80	21.30
23 21 16 00-0036	EA	2" NPT, Cast Iron, Air/Vacuum Valve (Apco 144)	738.99	37.01
23 21 16 00-0037	EA	3" Flanged, Cast Iron, Air/Vacuum Valve (Apco 146)	1,073.21	86.29
23 21 16 00-0038	EA	4" Flanged, Cast Iron, Air/Vacuum Valve (Apco 152)	1,678.39	144.85
23 21 16 00-0039	EA	6" Flanged, Cast Iron, Air/Vacuum Valve (Apco 153)	2,556.35	183.17
23 21 16 00-0040 Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (23 21 16 00-0024)				
Note: Up to 150 psi. Stainless Steel float.				
23 21 16 00-0041	EA	1" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 143C)	620.42	21.30
23 21 16 00-0042	EA	2" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 145C)	952.24	37.01
23 21 16 00-0043	EA	3" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 147C)	1,749.65	86.29
23 21 16 00-0044	EA	4" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 149C)	2,267.69	144.85



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Piping and Pumps			23 20
Hydronic Piping and Pumps			23 21

23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0045		Vent Valves (23 21 16)		
23 21 16 00-0046	EA	1/8", 1.5 PSIG Operating Pressure, Non Vacuum Adjustable Angle Radiator Steam Vent Valve (Hoffman 1A)	60.24	15.21
23 21 16 00-0047	EA	1/2" x 3/4", 35 PSIG Operating Pressure, Straight Steam Unit Heater Air Vent Valve (Hoffman 74)	135.78	16.36
23 21 16 00-0048	EA	1/2" x 3/4", 3 PSIG Operating Pressure, Non Vacuum Main Steam Air Vent Valve (Hoffman 75)	129.80	16.36
23 21 16 00-0049	EA	1/2" x 3/4", 10 PSIG Operating Pressure, Non Vacuum Straight Non-Vacuum Main Steam Air Vent Valve (Hoffman 75H)	133.99	16.36
23 21 16 00-0050	EA	3/4", 150 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 76)	170.61	16.36
23 21 16 00-0051	EA	1/2" x 3/4", 75 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 79)	128.16	16.36
23 21 16 00-0052		Threaded Inlet, Drip-Pan Elbow (23 21 16)		
23 21 16 00-0053		Cast Iron, Threaded Inlet, Drip-Pan Elbow (23 21 16 00-0052)		
23 21 16 00-0054	EA	2-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	213.47	25.56
		For Flanged Inlet, Add	76.31	
23 21 16 00-0055	EA	3" Cast Iron, Threaded Inlet, Drip-Pan Elbow	242.63	30.30
		For Flanged Inlet, Add	81.93	
23 21 16 00-0056	EA	3-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	303.83	35.03
		For Flanged Inlet, Add	110.52	
23 21 16 00-0057	EA	4" Cast Iron, Threaded Inlet, Drip-Pan Elbow	446.43	39.76
		For Flanged Inlet, Add	194.46	
23 21 16 00-0058	EA	5" Cast Iron, Threaded Inlet, Drip-Pan Elbow	505.46	47.33
		For Flanged Inlet, Add	214.96	
23 21 16 00-0059	EA	6" Cast Iron, Threaded Inlet, Drip-Pan Elbow	698.64	59.64
		For Flanged Inlet, Add	314.14	
23 21 16 00-0060	EA	8" Cast Iron, Threaded Inlet, Drip-Pan Elbow	1,544.85	78.57
		For Flanged Inlet, Add	835.92	
23 21 16 00-0061		Cast Steel, Threaded Inlet, Drip-Pan Elbow (23 21 16 00-0052)		
23 21 16 00-0062	EA	2-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	399.76	25.56
		For Flanged Inlet, Add	202.99	
23 21 16 00-0063	EA	3" Cast Steel, Threaded Inlet, Drip-Pan Elbow	483.86	30.30
		For Flanged Inlet, Add	245.96	
23 21 16 00-0064	EA	3-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	680.37	35.03
		For Flanged Inlet, Add	366.57	
23 21 16 00-0065	EA	4" Cast Steel, Threaded Inlet, Drip-Pan Elbow	699.53	39.76
		For Flanged Inlet, Add	366.57	
23 21 16 00-0066	EA	5" Cast Steel, Threaded Inlet, Drip-Pan Elbow	993.64	47.33
		For Flanged Inlet, Add	546.92	
23 21 16 00-0067	EA	6" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,040.97	59.64
		For Flanged Inlet, Add	546.92	
23 21 16 00-0068	EA	8" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,696.73	78.57
		For Flanged Inlet, Add	939.20	
23 21 16 00-0069		Y-Type Strainers (23 21 16)		
23 21 16 00-0070		Screwed Ends, 250 LB, Iron Body, Y-Type Strainers (23 21 16 00-0069)		
23 21 16 00-0071	EA	1/4" Or 3/8" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	73.83	11.35
		For Galvanized Body, Add	20.69	
		For Work In Restricted Working Space, Add	9.74	
23 21 16 00-0072	EA	1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	74.33	11.56
		For Galvanized Body, Add	20.69	
		For Work In Restricted Working Space, Add	9.89	
23 21 16 00-0073	EA	3/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	94.00	15.62
		For Galvanized Body, Add	24.70	
		For Work In Restricted Working Space, Add	13.38	
23 21 16 00-0074	EA	1" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	119.97	18.65
		For Galvanized Body, Add	33.37	
		For Work In Restricted Working Space, Add	15.97	
23 21 16 00-0075	EA	1-1/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	157.35	23.07
		For Galvanized Body, Add	45.72	
		For Work In Restricted Working Space, Add	19.77	
23 21 16 00-0076	EA	1-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	181.11	24.85
		For Galvanized Body, Add	55.07	
		For Work In Restricted Working Space, Add	21.29	
23 21 16 00-0077	EA	2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	250.64	28.39
		For Galvanized Body, Add	84.77	
		For Work In Restricted Working Space, Add	24.33	
23 21 16 00-0078	EA	2-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	482.51	35.48
		For Galvanized Body, Add	190.56	
		For Work In Restricted Working Space, Add	30.42	
23 21 16 00-0079	EA	3" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	624.65	44.41
		For Galvanized Body, Add	248.96	
		For Work In Restricted Working Space, Add	38.02	
23 21 16 00-0080		Flanged, 125 LB, Iron Body , Y-Type Strainers (23 21 16 00-0069)		
23 21 16 00-0081	EA	1-1/2" Flanged, 125 LB, Iron Body, Y-Type Strainer	266.24	106.46
		For Galvanized Body, Add	66.42	
		For Work In Restricted Working Space, Add	40.02	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0082	EA	2" Flanged, 125 LB, Iron Body, Y-Type Strainer	312.74	135.16
		For Galvanized Body, Add	71.88	
		For Work In Restricted Working Space, Add	50.70	
23 21 16 00-0083	EA	3" Flanged, 125 LB, Iron Body, Y-Type Strainer	558.42	172.37
		For Galvanized Body, Add	171.35	
		For Work In Restricted Working Space, Add	64.72	
23 21 16 00-0084	EA	4" Flanged, 125 LB, Iron Body, Y-Type Strainer	751.02	288.97
		For Galvanized Body, Add	194.45	
		For Work In Restricted Working Space, Add	108.64	
23 21 16 00-0085	EA	5" Flanged, 125 LB, Iron Body, Y-Type Strainer	800.06	292.44
		For Galvanized Body, Add	217.54	
		For Work In Restricted Working Space, Add	109.50	
23 21 16 00-0086	EA	6" Flanged, 125 LB, Iron Body, Y-Type Strainer	947.95	324.93
		For Galvanized Body, Add	270.17	
		For Work In Restricted Working Space, Add	122.28	
23 21 16 00-0087	EA	8" Flanged, 125 LB, Iron Body, Y-Type Strainer	1,579.96	415.19
		For Galvanized Body, Add	532.10	
		For Work In Restricted Working Space, Add	154.73	
23 21 16 00-0088	EA	10" Flanged, 125 LB, Iron Body, Y-Type Strainer	3,003.72	505.44
		For Galvanized Body, Add	1,185.96	
		For Work In Restricted Working Space, Add	189.54	
23 21 16 00-0089	EA	12" Flanged, 125 LB, Iron Body, Y-Type Strainer	3,368.85	451.29
		For Galvanized Body, Add	1,233.14	
		For Work In Restricted Working Space, Add	270.77	
23 21 16 00-0090		Screwed Ends, 150 LB, Bronze Body, Y-Type Strainers (23 21 16 00-0069) Note: With screwed cap (4" size has bolted cap).		
23 21 16 00-0091	EA	1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	58.64	11.56
		For 300 LB Rating, Add	43.67	
		For Work In Restricted Working Space, Add	9.89	
23 21 16 00-0092	EA	3/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	78.01	15.62
		For 300 LB Rating, Add	56.78	
		For Work In Restricted Working Space, Add	13.38	
23 21 16 00-0093	EA	1" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	95.30	18.65
		For 300 LB Rating, Add	71.52	
		For Work In Restricted Working Space, Add	15.97	
23 21 16 00-0094	EA	1-1/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	118.58	23.07
		For 300 LB Rating, Add	89.54	
		For Work In Restricted Working Space, Add	19.77	
23 21 16 00-0095	EA	1-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	139.39	24.85
		For 300 LB Rating, Add	116.30	
		For Work In Restricted Working Space, Add	21.29	
23 21 16 00-0096	EA	2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	192.24	28.39
		For 300 LB Rating, Add	188.92	
		For Work In Restricted Working Space, Add	24.33	
23 21 16 00-0097	EA	2-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	284.79	35.48
		For 300 LB Rating, Add	311.76	
		For Work In Restricted Working Space, Add	30.42	
23 21 16 00-0098	EA	3" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	506.98	44.41
		For 300 LB Rating, Add	646.41	
		For Work In Restricted Working Space, Add	38.02	
23 21 16 00-0099	EA	4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	873.73	53.23
		For 300 LB Rating, Add	1,226.79	
		For Work In Restricted Working Space, Add	45.63	
23 21 16 00-0100		Flanged, 150 LB, Bronze Body, Y-Type Strainers (23 21 16 00-0069) Note: With bolted cap.		
23 21 16 00-0101	EA	2" Flanged, 150 LB, Bronze Body, Y-Type Strainer	488.18	135.16
		For 300 LB Rating, Add	191.51	
		For Work In Restricted Working Space, Add	50.70	
23 21 16 00-0102	EA	2-1/2" Flanged, 150 LB, Bronze Body, Y-Type Strainer	509.55	147.02
		For 300 LB Rating, Add	195.12	
		For Work In Restricted Working Space, Add	55.31	
23 21 16 00-0103	EA	3" Flanged, 150 LB, Bronze Body, Y-Type Strainer	588.12	172.37
		For 300 LB Rating, Add	223.43	
		For Work In Restricted Working Space, Add	64.72	
23 21 16 00-0104	EA	4" Flanged, 150 LB, Bronze Body, Y-Type Strainer	1,266.97	288.97
		For 300 LB Rating, Add	542.90	
		For Work In Restricted Working Space, Add	108.64	
23 21 16 00-0105	EA	6" Flanged, 150 LB, Bronze Body, Y-Type Strainer	1,779.20	324.93
		For 300 LB Rating, Add	822.95	
		For Work In Restricted Working Space, Add	122.28	
23 21 16 00-0106	EA	8" Flanged, 150 LB, Bronze Body, Y-Type Strainer	2,856.49	415.19
		For 300 LB Rating, Add	1,404.44	
		For Work In Restricted Working Space, Add	154.73	
23 21 16 00-0107	EA	10" Flanged, 150 LB, Bronze Body, Y-Type Strainer	9,033.00	505.44
		For 300 LB Rating, Add	5,040.72	
		For Work In Restricted Working Space, Add	189.54	
23 21 16 00-0108		Class 125, Crimped Bronze Body, Y-Type Strainers (23 21 16 00-0069) Note: Nibco®		

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0109 EA 1/2" Class 125, Crimped Bronze Body, Y-Type Strainer For Work In Restricted Working Space, Add	137.84 6.64	10.14
23 21 16 00-0110 EA 3/4" Class 125, Crimped Bronze Body, Y-Type Strainer For Work In Restricted Working Space, Add	159.68 7.79	11.15
23 21 16 00-0111 EA 1" Class 125, Crimped Bronze Body, Y-Type Strainer For Work In Restricted Working Space, Add	227.31 9.31	12.67
23 21 16 00-0112 EA 1-1/4" Class 125, Crimped Bronze Body, Y-Type Strainer For Work In Restricted Working Space, Add	304.76 10.26	13.48
23 21 16 00-0113 EA 1-1/2" Class 125, Crimped Bronze Body, Y-Type Strainer For Work In Restricted Working Space, Add	366.92 11.40	15.61
23 21 16 00-0114 EA 2" Class 125, Crimped Bronze Body, Y-Type Strainer For Work In Restricted Working Space, Add	543.37 13.68	18.44
23 21 16 00-0115 250 PSI, Crimped Bronze Body, Y-Type Strainers (23 21 16 00-0069)		
23 21 16 00-0116 EA 1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	72.30	10.14
23 21 16 00-0117 EA 3/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer	88.37	11.15
23 21 16 00-0118 EA 1" 250 PSI, Crimped Bronze Body, Y-Type Strainer	130.03	12.67
23 21 16 00-0119 EA 1-1/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer	159.20	13.48
23 21 16 00-0120 EA 1-1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	190.18	15.61
23 21 16 00-0121 EA 2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	250.05	18.44
23 21 16 00-0122 Cast Iron Body, Suction Diffusers (23 21 16) Note: 175 PSI, steel inlet vanes, steel orifice cylinder and 16 mesh bronze startup strainer.		
23 21 16 00-0123 EA 2" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser For Work In Restricted Working Space, Add	435.89 19.56	39.95
23 21 16 00-0124 EA 2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser For Work In Restricted Working Space, Add	457.94 21.73	44.31
23 21 16 00-0125 EA 2-1/2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser For Work In Restricted Working Space, Add	465.31 22.82	46.53
23 21 16 00-0126 EA 2-1/2" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser For Work In Restricted Working Space, Add	881.25 55.31	147.02
23 21 16 00-0127 EA 3" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser For Work In Restricted Working Space, Add	481.28 26.51	54.15
23 21 16 00-0128 EA 3" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser For Work In Restricted Working Space, Add	544.30 26.51	54.15
23 21 16 00-0129 EA 3" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser For Work In Restricted Working Space, Add	922.89 60.01	160.03
23 21 16 00-0130 EA 3" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser For Work In Restricted Working Space, Add	942.29 64.72	172.37
23 21 16 00-0131 EA 4" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser For Work In Restricted Working Space, Add	1,145.23 86.68	231.14
23 21 16 00-0132 EA 4" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser For Work In Restricted Working Space, Add	1,348.17 108.64	288.97
23 21 16 00-0133 EA 6" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser For Work In Restricted Working Space, Add	1,543.79 109.50	291.98
23 21 16 00-0134 EA 6" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser For Work In Restricted Working Space, Add	1,864.43 122.28	324.93
23 21 16 00-0135 EA 8" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser For Work In Restricted Working Space, Add	2,109.74 154.73	415.19
23 21 16 00-0136 EA 8" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser For Work In Restricted Working Space, Add	3,255.17 154.73	415.19
23 21 16 00-0137 EA 10" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser For Work In Restricted Working Space, Add	3,719.66 189.54	505.44
23 21 16 00-0138 EA 10" x 10" Flanged, 175 LB, Cast Iron Body, Suction Diffuser For Work In Restricted Working Space, Add	4,346.13 189.54	505.44
23 21 16 00-0139 Duplex Strainers (23 21 16)		
23 21 16 00-0140 Iron Body, Duplex Strainers (23 21 16 00-0139)		
23 21 16 00-0141 Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers (23 21 16 00-0140) Note: With brass or stainless steel basket.		
23 21 16 00-0142 EA 3/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer For Work In Restricted Working Space, Add	705.74 15.16	25.25
23 21 16 00-0143 EA 1" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer For Work In Restricted Working Space, Add	788.12 17.35	28.90
23 21 16 00-0144 EA 1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer For Work In Restricted Working Space, Add	1,067.76 20.37	33.97
23 21 16 00-0145 EA 1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer For Work In Restricted Working Space, Add	1,343.48 22.21	37.01
23 21 16 00-0146 EA 2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer For Work In Restricted Working Space, Add	1,800.21 27.16	45.12
23 21 16 00-0147 EA 2-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer For Work In Restricted Working Space, Add	2,265.46 34.67	57.80
23 21 16 00-0148 Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers (23 21 16 00-0140) Note: With brass or stainless steel basket.		
23 21 16 00-0149 EA 2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer For Work In Restricted Working Space, Add	2,455.39 50.70	135.16

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0150 EA 2-1/2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,539.00 55.31	147.02
23 21 16 00-0151 EA 3" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	3,252.89 64.72	172.37
23 21 16 00-0152 EA 4" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	5,099.90 96.71	257.23
23 21 16 00-0153 EA 6" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	9,962.71 122.28	324.93
23 21 16 00-0154 EA 8" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	18,943.46 154.73	415.19
23 21 16 00-0155 EA 10" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	26,157.58 189.54	505.44
23 21 16 00-0156 EA 12" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	29,667.14 382.45	637.22
23 21 16 00-0157 EA 14" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	35,300.96 270.77	722.07
23 21 16 00-0158 EA 16" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	44,127.30 297.85	794.27
23 21 16 00-0159 Bronze Body, Duplex Strainers (23 21 16 00-0139)		
23 21 16 00-0160 Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainers (23 21 16 00-0159) Note: With brass or stainless steel basket.		
23 21 16 00-0161 EA 3/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,313.17 15.16	25.35
23 21 16 00-0162 EA 1" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,456.98 17.35	28.90
23 21 16 00-0163 EA 1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,132.48 20.37	33.97
23 21 16 00-0164 EA 1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,804.05 22.21	37.01
23 21 16 00-0165 EA 2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	3,622.51 27.16	45.12
23 21 16 00-0166 EA 2-1/2" Screwed, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	4,449.48 34.67	57.80
23 21 16 00-0167 Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainers (23 21 16 00-0159) Note: With brass or stainless steel basket.		
23 21 16 00-0168 EA 2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	5,083.04 50.70	135.16
23 21 16 00-0169 EA 2-1/2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	5,234.91 55.31	147.02
23 21 16 00-0170 EA 3" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	7,177.31 64.72	172.37
23 21 16 00-0171 EA 4" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	11,310.72 96.71	257.23
23 21 16 00-0172 EA 6" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	24,568.38 122.28	324.93
23 21 16 00-0173 Cast Steel Body, Duplex Strainers (23 21 16 00-0139)		
23 21 16 00-0174 Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers (23 21 16 00-0173) Note: With brass or stainless steel basket.		
23 21 16 00-0175 EA 1" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,045.15 17.36	28.90
23 21 16 00-0176 EA 1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,518.88 20.36	33.97
23 21 16 00-0177 EA 1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,988.74 22.21	37.01
23 21 16 00-0178 EA 2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	5,058.78 27.16	45.12
23 21 16 00-0179 Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers (23 21 16 00-0173) Note: With brass or stainless steel basket.		
23 21 16 00-0180 EA 2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	5,170.36 50.70	135.16
23 21 16 00-0181 EA 2-1/2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	5,682.55 55.31	147.02
23 21 16 00-0182 EA 3" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	7,469.38 64.72	172.37
23 21 16 00-0183 EA 4" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	10,954.41 96.71	257.23
23 21 16 00-0184 EA 6" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	18,690.78 122.28	324.93
23 21 16 00-0185 EA 8" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	36,419.67 154.73	415.19

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0186 Stainless Steel Body, Duplex Strainers (23 21 16 00-0139)		
23 21 16 00-0187 Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers (23 21 16 00-0186) Note: With stainless steel basket.		
23 21 16 00-0188 EA 1" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... For Work In Restricted Working Space, Add	4,439.57 17.36	28.90
23 21 16 00-0189 EA 1-1/4" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... For Work In Restricted Working Space, Add	5,609.94 20.36	33.97
23 21 16 00-0190 EA 1-1/2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... For Work In Restricted Working Space, Add	6,768.32 22.21	37.01
23 21 16 00-0191 EA 2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... For Work In Restricted Working Space, Add	10,841.96 27.16	45.12
23 21 16 00-0192 Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers (23 21 16 00-0186) Note: With stainless steel basket.		
23 21 16 00-0193 EA 2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... For Work In Restricted Working Space, Add	11,366.71 50.70	135.16
23 21 16 00-0194 EA 2-1/2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... For Work In Restricted Working Space, Add	11,950.07 55.31	147.02
23 21 16 00-0195 EA 3" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... For Work In Restricted Working Space, Add	18,716.31 64.72	172.37
23 21 16 00-0196 EA 4" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... For Work In Restricted Working Space, Add	22,880.07 96.71	257.23
23 21 16 00-0197 EA 6" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... For Work In Restricted Working Space, Add	40,167.62 122.28	324.93
23 21 16 00-0198 EA 8" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... For Work In Restricted Working Space, Add	74,193.49 154.73	415.19
23 21 16 00-0199 Pressure Regulating Valve (23 21 16)		
23 21 16 00-0200 Screwed Ends, Iron Body, Water Pressure Reducing Valves (23 21 16 00-0199) Note: For building services, 25 - 75 PSI, up to 300 Lbs. rating		
23 21 16 00-0201 EA 1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve..... For Work In Restricted Working Space, Add	212.20 15.20	12.67
23 21 16 00-0202 EA 3/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve..... For Work In Restricted Working Space, Add	262.17 16.89	14.19
23 21 16 00-0203 EA 1" Screwed Ends, Iron Construction, Water Pressure Reducing Valve..... For Work In Restricted Working Space, Add	346.64 17.89	15.20
23 21 16 00-0204 EA 1-1/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve..... For Work In Restricted Working Space, Add	598.11 20.27	17.02
23 21 16 00-0205 EA 1-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve..... For Work In Restricted Working Space, Add	812.93 24.32	20.27
23 21 16 00-0206 EA 2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve..... For Work In Restricted Working Space, Add	1,164.10 37.34	31.08
23 21 16 00-0207 EA 2-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve..... For Work In Restricted Working Space, Add	1,265.81 42.00	35.00
23 21 16 00-0208 EA 3" Screwed Ends, Iron Construction, Water Pressure Reducing Valve..... For Work In Restricted Working Space, Add	1,390.68 46.67	101.28
23 21 16 00-0209 Cast Iron Body, Steam Pressure Regulator And Reducer (23 21 16 00-0199) Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0210 Screwed Ends, Cast Iron Body, Steam Pressure Regulator And Reducer (23 21 16 00-0209)		
23 21 16 00-0211 EA 1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... For Work In Restricted Working Space, Add	358.95 20.42	17.03
23 21 16 00-0212 EA 3/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... For Work In Restricted Working Space, Add	448.48 28.97	24.13
23 21 16 00-0213 EA 1" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... For Work In Restricted Working Space, Add	577.01 35.37	29.40
23 21 16 00-0214 EA 1-1/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... For Work In Restricted Working Space, Add	773.91 41.11	35.70
23 21 16 00-0215 EA 1-1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... For Work In Restricted Working Space, Add	1,041.39 46.80	40.56
23 21 16 00-0216 EA 2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... For Work In Restricted Working Space, Add	1,217.42 56.80	56.81
23 21 16 00-0217 Flanged, Cast Iron Body, Steam Pressure Regulator And Reducer (23 21 16 00-0209) Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0218 EA 2-1/2" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... For Work In Restricted Working Space, Add	2,829.70 51.64	137.27
23 21 16 00-0219 EA 3" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... For Work In Restricted Working Space, Add	3,519.65 60.43	160.94
23 21 16 00-0220 EA 4" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... For Work In Restricted Working Space, Add	4,520.26 101.43	269.80
23 21 16 00-0221 EA 6" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... For Work In Restricted Working Space, Add	11,299.58 122.23	324.78

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 16 00-0222	Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves (23 21 16 00-0199)		
23 21 16 00-0223	Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves (23 21 16 00-0222)		
23 21 16 00-0224	EA 1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....2,056.16	12.37	
	For Work In Restricted Working Space, Add	18.56	
23 21 16 00-0225	EA 3/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....2,099.41	12.37	
	For Work In Restricted Working Space, Add	18.56	
23 21 16 00-0226	EA 1" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....2,235.78	15.62	
	For Work In Restricted Working Space, Add	23.42	
23 21 16 00-0227	EA 1-1/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....2,627.09	19.87	
	For Work In Restricted Working Space, Add	29.81	
23 21 16 00-0228	EA 1-1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....3,007.53	22.92	
	For Work In Restricted Working Space, Add	34.37	
23 21 16 00-0229	EA 2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....3,729.43	26.97	
	For Work In Restricted Working Space, Add	40.46	
23 21 16 00-0230	Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves (23 21 16 00-0222)		
23 21 16 00-0231	EA 2-1/2" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....4,607.67	137.27	
	For Work In Restricted Working Space, Add	51.64	
23 21 16 00-0232	EA 3" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....5,684.57	160.94	
	For Work In Restricted Working Space, Add	60.43	
23 21 16 00-0233	EA 4" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....8,608.48	269.80	
	For Work In Restricted Working Space, Add	101.43	
23 21 16 00-0234	EA 6" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....18,961.73	324.78	
	For Work In Restricted Working Space, Add	122.23	
23 21 16 00-0235	Screwed Ends, Cast Iron Body, Air Pressure Reducing Valves (23 21 16 00-0199)		
23 21 16 00-0236	EA 1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....238.76	13.17	
23 21 16 00-0237	EA 3/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....296.02	14.59	
23 21 16 00-0238	EA 1" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....393.83	15.50	
23 21 16 00-0239	EA 1-1/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....685.34	17.64	
23 21 16 00-0240	EA 1-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....933.25	21.08	
23 21 16 00-0241	EA 2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....1,335.04	32.30	
23 21 16 00-0242	EA 2-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....1,446.25	35.18	
23 21 16 00-0243	EA 3" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....1,593.77	40.51	
23 21 16 00-0244	Screwed Ends, Bronze Body, Water Pressure Reducing Valves (23 21 16 00-0199)		
	Note: For building services, bronze construction, pressure adjustment, union and strainer, factory set at 45 PSI (Watts 25AUB).		
23 21 16 00-0245	EA 1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve .....164.38	12.67	
23 21 16 00-0246	EA 3/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve .....180.66	14.19	
23 21 16 00-0247	EA 1" Screwed Ends, Bronze Body, Water Pressure Reducing Valve .....224.00	15.71	
23 21 16 00-0248	EA 1-1/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve .....527.31	17.02	
23 21 16 00-0249	EA 1-1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve .....571.90	20.27	
23 21 16 00-0250	EA 2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve .....898.56	31.08	
23 21 16 00-0251	Dual Unit Reducing And Relief Valve (23 21 16)		
23 21 16 00-0252	EA 1/2" Dual Unit Reducing And Relief Valve .....185.79	30.93	
23 21 16 00-0253	Safety Relief Valve (23 21 16)		
	Note: Used in water heater and hot water storage tank applications.		
23 21 16 00-0254	Threaded Inlet, Bronze Body Safety Valves (23 21 16 00-0253)		
	Note: Variable set points to 150 psig pressure, 210 Degree F temperature range.		
23 21 16 00-0255	EA 1/2" x 1/2" Threaded Inlet, Bronze Body Safety Valve .....70.36	12.67	
23 21 16 00-0256	EA 3/4" x 3/4" Threaded Inlet, Bronze Body Safety Valve .....97.19	13.94	
23 21 16 00-0257	EA 1" x 1" Threaded Inlet, Bronze Body Safety Valve .....140.12	16.97	
23 21 16 00-0258	EA 1-1/4" x 1-1/4" Threaded Inlet, Bronze Body Safety Valve .....180.87	17.99	
23 21 16 00-0259	EA 1-1/2" x 1-1/2" Threaded Inlet, Bronze Body Safety Valve .....249.01	24.07	
23 21 16 00-0260	EA 2" x 2" Threaded Inlet, Bronze Body Safety Valve .....333.73	28.38	
23 21 16 00-0261	EA 2-1/2" x 2-1/2" Threaded Inlet, Bronze Body Safety Valve .....378.68	35.47	
23 21 16 00-0262	Threaded, Bronze Body, Temperature And Pressure Relief Valves (23 21 16)		
23 21 16 00-0263	EA 1/2" x 1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve .....78.66	25.84	
	For Cast Iron Body, Add	45.54	
23 21 16 00-0264	EA 3/4" x 3/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve .....101.43	31.01	
	For Cast Iron Body, Add	63.44	
23 21 16 00-0265	EA 1" x 1" Threaded, Bronze Body, Temperature And Pressure Relief Valve .....148.39	41.35	
	For Cast Iron Body, Add	101.03	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0266 EA 1-1/4" x 1-1/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve For Cast Iron Body, Add	244.16 214.71	44.29
23 21 16 00-0267 EA 1-1/2" x 1-1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve For Cast Iron Body, Add	409.63 410.73	49.66
23 21 16 00-0268 EA 2" x 2" Threaded, Bronze Body, Temperature And Pressure Relief Valve For Cast Iron Body, Add	474.48 447.25	71.41
23 21 16 00-0269 Thermostatic Radiator Valves (23 21 16) Note: For hot water or two pipe low pressure steam.		
23 21 16 00-0270 EA 1/2" Straight Thermostatic Radiator Valve (Danfoss 013G8015)	58.12	16.36
23 21 16 00-0271 EA 3/4" Straight Thermostatic Radiator Valve (Danfoss 013G8020)	70.55	22.04
23 21 16 00-0272 EA 1" Straight Thermostatic Radiator Valve (Danfoss 013G8025)	94.65	26.69
23 21 16 00-0273 EA 1-1/4" Straight Thermostatic Radiator Valve (Danfoss 013G8032)	138.53	33.81
23 21 16 00-0274 EA 1/2" Angle Thermostatic Radiator Valve (Danfoss 013G8014)	58.12	16.36
23 21 16 00-0275 EA 3/4" Angle Thermostatic Radiator Valve (Danfoss 013G8019)	70.55	22.04
23 21 16 00-0276 EA 1" Angle Thermostatic Radiator Valve (Danfoss 013G8024)	94.65	26.69
23 21 16 00-0277 EA 1-1/4" Angle Thermostatic Radiator Valve (Danfoss 013G8031)	138.53	33.81
23 21 16 00-0278 EA Tamper Resistant Valve Mounted Dial And Sensor Thermostatic Operator (Danfoss 013G8240)	71.66	12.67
23 21 16 00-0279 EA Tamper Resistant Valve Mounted Dial With Remote Sensor Thermostatic Operator (Danfoss 013G2922)	105.62	17.75
23 21 16 00-0280 Radiator Trap Repair Kits (23 21 16) Note: For hot water or two pipe low pressure steam.		
23 21 16 00-0281 EA 1/2" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1031)	103.17	
23 21 16 00-0282 EA 3/4" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1032)	128.61	
23 21 16 00-0283 EA 1/2" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1026)	129.10	
23 21 16 00-0284 EA 3/4" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1027)	147.15	
23 21 16 00-0285 EA 1" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1028)	339.33	
23 21 16 00-0286 Horizontal Steel Expansion Tanks (23 21 16) Note: ASME Code Stamp. 150 PSI with glass gauge and cocks.		
23 21 16 00-0287 EA 10 Gallon Horizontal Steel Expansion Tank	530.97	101.40
23 21 16 00-0288 EA 15 Gallon Horizontal Steel Expansion Tank	745.76	126.74
23 21 16 00-0289 EA 30 Gallon Horizontal Steel Expansion Tank	972.88	152.09
23 21 16 00-0290 EA 40 Gallon Horizontal Steel Expansion Tank	1,120.63	177.44
23 21 16 00-0291 EA 60 Gallon Horizontal Steel Expansion Tank	1,283.00	180.51
23 21 16 00-0292 Horizontal Diaphragm Type (Bladder) Steel Expansion Tanks (23 21 16) Note: ASME. Precharged with working pressure 125 psi. Armstrong AX Series.		
23 21 16 00-0293 EA 7.8 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	1,504.26	76.05
23 21 16 00-0294 EA 10.9 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	1,568.90	88.72
23 21 16 00-0295 EA 21.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	2,345.46	101.40
23 21 16 00-0296 EA 33.6 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	2,440.15	114.06
23 21 16 00-0297 EA 44.4 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	3,313.78	126.74
23 21 16 00-0298 EA 55.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	3,494.00	139.41
23 21 16 00-0299 EA 68.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	4,157.28	152.09
23 21 16 00-0300 EA 77.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	4,448.44	164.76
23 21 16 00-0301 EA 90.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	4,903.72	177.44
23 21 16 00-0302 EA 110.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	5,037.62	202.79
23 21 16 00-0303 EA 132.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	6,324.91	228.14
23 21 16 00-0304 EA 158.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	7,253.95	253.49
23 21 16 00-0305 EA 211.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	8,418.58	304.19
23 21 16 00-0306 Vertical Diaphragm Type (Bladder) Steel Expansion Tanks (Armstrong AX) (23 21 16) Note: ASME. Precharged with working pressure 125 psi		
23 21 16 00-0307 EA 8.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	1,716.91	76.05
23 21 16 00-0308 EA 11.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	1,769.99	88.72
23 21 16 00-0309 EA 22.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	2,539.62	101.40
23 21 16 00-0310 EA 34.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	2,710.58	114.06
23 21 16 00-0311 EA 44.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	3,450.16	126.74
23 21 16 00-0312 EA 56.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	3,628.06	139.41
23 21 16 00-0313 EA 67.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	4,427.72	152.09
23 21 16 00-0314 EA 77.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	4,785.91	164.76
23 21 16 00-0315 EA 91.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,294.34	177.44
23 21 16 00-0316 EA 111.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,421.31	202.79
23 21 16 00-0317 EA 132.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	6,673.94	228.14
23 21 16 00-0318 EA 158.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	7,746.27	253.49
23 21 16 00-0319 EA 211.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	8,920.15	304.19
23 21 16 00-0320 Diaphragm Type (Residential Style) Steel Expansion Tanks (23 21 16)		
23 21 16 00-0321 EA 2.1 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-5-M1)	70.98	9.34
23 21 16 00-0322 EA 4.5 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-12-M1)	99.82	9.34

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 16 00-0323 Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tanks (23 21 16)

23 21 16 00-0324	EA	15 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	930.54	304.29
23 21 16 00-0325	EA	20 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	963.30	304.29
23 21 16 00-0326	EA	30 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	996.05	304.29
23 21 16 00-0327	EA	40 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,081.20	304.29
23 21 16 00-0328	EA	47 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,313.10	405.47
23 21 16 00-0329	EA	60 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,509.31	405.68
23 21 16 00-0330	EA	80 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,548.22	405.68
23 21 16 00-0331	EA	87 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,587.12	405.68
23 21 16 00-0332	EA	120 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	2,014.81	506.97
23 21 16 00-0333	EA	187 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	5,313.35	506.97
23 21 16 00-0334	EA	264 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	6,739.44	608.16

23 21 16 00-0335 ASME Construction Compression Tanks (23 21 16)

Note: With gauge glass taps, 125 PSI, 240 degree F tanks below are sized by capacity and diameter and height.

23 21 16 00-0336	EA	15 Gallon, 13" x 34-1/2" ASME Construction Compression Tank.....	868.94	178.46
		<i>For Galvanized Steel Tanks, Add</i>	299.28	
23 21 16 00-0337	EA	24 Gallon, 13" x 51" ASME Construction Compression Tank.....	886.21	183.52
		<i>For Galvanized Steel Tanks, Add</i>	303.69	
23 21 16 00-0338	EA	30 Gallon, 13" x 61-1/2" ASME Construction Compression Tank.....	965.75	189.61
		<i>For Galvanized Steel Tanks, Add</i>	338.90	
23 21 16 00-0339	EA	40 Gallon, 16-1/4" x 53" ASME Construction Compression Tank.....	1,056.10	196.71
		<i>For Galvanized Steel Tanks, Add</i>	378.50	
23 21 16 00-0340	EA	60 Gallon, 16-1/4" x 76-1/2" ASME Construction Compression Tank.....	1,229.75	207.86
		<i>For Galvanized Steel Tanks, Add</i>	457.72	
23 21 16 00-0341	EA	80 Gallon, 20-1/4" x 68" ASME Construction Compression Tank.....	1,277.72	215.97
		<i>For Galvanized Steel Tanks, Add</i>	475.32	
23 21 16 00-0342	EA	100 Gallon, 20-1/4" x 82" ASME Construction Compression Tank.....	1,579.28	235.24
		<i>For Galvanized Steel Tanks, Add</i>	611.76	
23 21 16 00-0343	EA	120 Gallon, 24-1/4" x 71-1/2" ASME Construction Compression Tank.....	1,720.55	252.47
		<i>For Galvanized Steel Tanks, Add</i>	668.97	
23 21 16 00-0344	EA	144 Gallon, 24-1/4" x 83-1/2" ASME Construction Compression Tank.....	2,138.32	284.92
		<i>For Galvanized Steel Tanks, Add</i>	853.43	
23 21 16 00-0345	EA	180 Gallon, 30" x 60" ASME Construction Compression Tank.....	2,712.77	326.49
		<i>For Galvanized Steel Tanks, Add</i>	1,109.09	
23 21 16 00-0346	EA	202 Gallon, 30" x 72" ASME Construction Compression Tank.....	3,247.06	361.97
		<i>For Galvanized Steel Tanks, Add</i>	1,349.50	
23 21 16 00-0347	EA	230 Gallon, 30" x 84" ASME Construction Compression Tank.....	3,550.68	393.40
		<i>For Galvanized Steel Tanks, Add</i>	1,477.13	
23 21 16 00-0348	EA	280 Gallon, 30" x 96" ASME Construction Compression Tank.....	4,479.82	431.93
		<i>For Galvanized Steel Tanks, Add</i>	1,912.84	
23 21 16 00-0349	EA	306 Gallon, 30" x 108" ASME Construction Compression Tank.....	4,623.30	461.35
		<i>For Galvanized Steel Tanks, Add</i>	1,962.02	
23 21 16 00-0350	EA	340 Gallon, 36" x 84" ASME Construction Compression Tank.....	5,949.30	495.81
		<i>For Galvanized Steel Tanks, Add</i>	2,599.12	
23 21 16 00-0351	EA	550 Gallon, 36" x 96" ASME Construction Compression Tank.....	9,887.92	582.00
		<i>For Galvanized Steel Tanks, Add</i>	4,503.12	

23 21 16 00-0352 Compression Tank Air Fittings (23 21 16)

23 21 16 00-0353	EA	9" To 24" Diameter Compression Tank Air Fittings.....	142.95	28.39
23 21 16 00-0354	EA	>100 Gallon Compression Tank Air Fittings.....	431.74	33.46

23 21 16 00-0355 Vortex Air Separators With Strainer (23 21 16)

Note: Separators are priced by capacity in gallons per minute and by boiler connection sizes and types.

23 21 16 00-0356	EA	2" Threaded, 56 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2N).....	1,196.42	215.97
		<i>For 300 PSIG, Add</i>	130.40	
23 21 16 00-0357	EA	2-1/2" Threaded, 90 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2-1/2N).....	1,476.36	247.40
		<i>For 300 PSIG, Add</i>	165.12	
23 21 16 00-0358	EA	3" Threaded, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3N).....	2,251.55	291.00
		<i>For 300 PSIG, Add</i>	271.61	
23 21 16 00-0359	EA	3" Flanged, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3F).....	2,406.28	308.21
		<i>For 300 PSIG, Add</i>	290.90	
23 21 16 00-0360	EA	4" Flanged, 300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-4F).....	3,107.22	410.95
		<i>For 300 PSIG, Add</i>	372.69	
23 21 16 00-0361	EA	5" Flanged, 500 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-5F).....	3,917.17	491.00
		<i>For 300 PSIG, Add</i>	476.08	
23 21 16 00-0362	EA	6" Flanged, 700 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-6F).....	4,643.85	555.98
		<i>For 300 PSIG, Add</i>	570.22	
23 21 16 00-0363	EA	8" Flanged, 1,300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-8F).....	6,659.05	667.01
		<i>For 300 PSIG, Add</i>	847.22	
23 21 16 00-0364	EA	10" Flanged, 2,000 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-10F).....	10,212.54	758.17
		<i>For 300 PSIG, Add</i>	1,359.57	
23 21 16 00-0365	EA	12" Flanged, 2,750 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-12F).....	13,769.93	981.10
		<i>For 300 PSIG, Add</i>	1,842.50	
23 21 16 00-0366	EA	14" Flanged, 3400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-14F).....	28,566.85	1,191.40
		<i>For 300 PSIG, Add</i>	4,014.26	
23 21 16 00-0367	EA	16" Flanged, 4400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F).....	35,261.11	1,429.68
		<i>For 300 PSIG, Add</i>	4,964.24	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0368 EA 18" Flanged, 5200 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F) For 300 PSIG, Add	45,979.27 6,517.81	1,667.96
23 21 16 00-0369 EA 20" Flanged, 6300 GPM With Strainer, Vortex Air Separator (Rolairtrol R-20F) For 300 PSIG, Add	53,791.14 7,635.44	1,906.25
23 21 16 00-0370 Vortex Air Separators (23 21 16) Note: Without system strainer.		
23 21 16 00-0371 EA 2" Threaded, 56 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2N) For 300 PSIG, Add	1,026.67 104.94	215.97
23 21 16 00-0372 EA 2-1/2" Threaded, 90 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2-1/2N) For 300 PSIG, Add	1,291.18 137.35	247.40
23 21 16 00-0373 EA 3" Threaded, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3N) For 300 PSIG, Add	2,205.26 264.66	291.00
23 21 16 00-0374 EA 3" Flanged, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3F) For 300 PSIG, Add	1,999.90 229.94	308.21
23 21 16 00-0375 EA 4" Flanged, 300 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-4F) For 300 PSIG, Add	2,680.27 308.64	410.95
23 21 16 00-0376 EA 5" Flanged, 530 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-5F) For 300 PSIG, Add	3,469.64 408.95	491.00
23 21 16 00-0377 EA 6" Flanged, 850 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-6F) For 300 PSIG, Add	4,036.85 479.17	555.98
23 21 16 00-0378 EA 8" Flanged, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8F) For 300 PSIG, Add	5,362.75 652.78	667.01
23 21 16 00-0379 EA 10" Flanged, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10F) For 300 PSIG, Add	7,439.90 943.67	758.17
23 21 16 00-0380 EA 12" Flanged, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12F) For 300 PSIG, Add	11,440.32 1,493.06	981.10
23 21 16 00-0381 EA 14" Flanged, 6,100 GPM Vortex Air Separator (Rolairtrol RL-14F) For 300 PSIG, Add	19,412.03 2,641.03	1,191.40
23 21 16 00-0382 EA 16" Flanged, 8,000 GPM Vortex Air Separator (Rolairtrol RL-16F) For 300 PSIG, Add	24,582.26 3,362.41	1,429.68
23 21 16 00-0383 EA 18" Flanged, 9,700 GPM Vortex Air Separator (Rolairtrol RL-18F) For 300 PSIG, Add	32,834.43 4,546.08	1,667.96
23 21 16 00-0384 EA 20" Flanged, 12,000 GPM Vortex Air Separator (Rolairtrol RL-20F) For 300 PSIG, Add	44,852.23 6,294.60	1,906.25
23 21 16 00-0385 EA 22" Flanged, 15,000 GPM Vortex Air Separator (Rolairtrol RL-22F) For 300 PSIG, Add	54,900.44 7,747.67	2,144.53
23 21 16 00-0386 EA 24" Flanged, 17,000 GPM Vortex Air Separator (Rolairtrol RL-24F) For 300 PSIG, Add	64,948.64 9,200.75	2,382.80
23 21 16 00-0387 Grooved, With Strainer, Vortex Air Separators (23 21 16)		
23 21 16 00-0388 EA 3" Grooved, 190 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-3G) 23 21 16 00-0389 EA 4" Grooved, 300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-4G) 23 21 16 00-0390 EA 5" Grooved, 500 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-5G) 23 21 16 00-0391 EA 6" Grooved, 700 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-6G) 23 21 16 00-0392 EA 8" Grooved, 1,300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-8G) 23 21 16 00-0393 EA 10" Grooved, 2,000 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-10G) 23 21 16 00-0394 EA 12" Grooved, 2,750 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-12G)	2,107.13 2,982.38 3,768.49 4,475.31 6,446.58 10,384.00 15,790.45	246.56 328.55 392.44 444.79 533.75 606.53 784.97
23 21 16 00-0395 Grooved Vortex Air Separators (23 21 16) Note: Without system strainer.		
23 21 16 00-0396 EA 3" Grooved, 190 GPM Vortex Air Separator (Rolairtrol RL-3G) 23 21 16 00-0397 EA 4" Grooved, 300 GPM Vortex Air Separator (Rolairtrol RL-4G) 23 21 16 00-0398 EA 5" Grooved, 530 GPM Vortex Air Separator (Rolairtrol RL-5G) 23 21 16 00-0399 EA 6" Grooved, 850 GPM Vortex Air Separator (Rolairtrol RL-6G) 23 21 16 00-0400 EA 8" Grooved, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8G) 23 21 16 00-0401 EA 10" Grooved, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10G) 23 21 16 00-0402 EA 12" Grooved, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12G)	1,685.32 2,555.43 3,320.96 3,868.31 5,160.57 7,570.21 12,545.52	246.56 328.55 392.44 444.79 533.75 606.53 784.97
23 21 16 00-0403 Swivel Joints (23 21 16)		
23 21 16 00-0404 Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) (23 21 16 00-0403) Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0405 EA 1" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) 23 21 16 00-0406 EA 1-1/2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) 23 21 16 00-0407 EA 2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) 23 21 16 00-0408 EA 3" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) 23 21 16 00-0409 EA 4" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) For Stainless Steel, Add	312.71 449.34 630.02 939.63 1,191.41 1,520.96	26.67 39.03 45.63 78.08 88.72
23 21 16 00-0410 EA 2" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) For Stainless Steel, Add	877.63 1,062.96	135.16
23 21 16 00-0411 EA 3" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) 23 21 16 00-0412 EA 4" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) 23 21 16 00-0413 EA 6" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,186.05 1,509.72 2,802.95	107.83 288.97 365.02
23 21 16 00-0414 Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) (23 21 16 00-0403) Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0415	EA	1" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) <i>For Stainless Steel, Add</i>	398.01 516.98	26.67
23 21 16 00-0416	EA	1-1/2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) <i>For Stainless Steel, Add</i>	489.63 617.45	39.03
23 21 16 00-0417	EA	2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) <i>For Stainless Steel, Add</i>	659.91 851.61	45.63
23 21 16 00-0418	EA	3" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) <i>For Stainless Steel, Add</i>	1,060.50 1,356.77	78.08
23 21 16 00-0419	EA	4" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) <i>For Stainless Steel, Add</i>	1,388.83 1,817.09	88.72
23 21 16 00-0420	EA	2" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) <i>For Stainless Steel, Add</i>	904.95 1,103.94	135.16
23 21 16 00-0421	EA	3" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) <i>For Stainless Steel, Add</i>	1,342.51 1,690.17	107.83
23 21 16 00-0422	EA	4" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) <i>For Stainless Steel, Add</i>	1,690.36 1,992.35	288.97
23 21 16 00-0423	EA	6" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) <i>For Stainless Steel, Add</i>	2,927.69 3,704.67	365.02
23 21 16 00-0424		Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) ^(23 21 16 00-0403) Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0425	EA	1" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) <i>For Stainless Steel, Add</i>	468.41 622.58	26.67
23 21 16 00-0426	EA	1-1/2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) <i>For Stainless Steel, Add</i>	543.35 698.03	39.03
23 21 16 00-0427	EA	2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) <i>For Stainless Steel, Add</i>	794.94 1,054.16	45.63
23 21 16 00-0428	EA	3" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) <i>For Stainless Steel, Add</i>	1,223.00 1,600.52	78.08
23 21 16 00-0429	EA	4" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) <i>For Stainless Steel, Add</i>	1,442.55 1,897.67	88.72
23 21 16 00-0430	EA	2" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) <i>For Stainless Steel, Add</i>	1,039.25 1,305.39	135.16
23 21 16 00-0431	EA	3" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) <i>For Stainless Steel, Add</i>	1,509.04 1,939.97	107.83
23 21 16 00-0432	EA	4" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) <i>For Stainless Steel, Add</i>	1,862.26 2,250.20	288.97
23 21 16 00-0433	EA	6" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) <i>For Stainless Steel, Add</i>	3,297.01 4,258.65	365.02
23 21 16 00-0434		Basket Strainers ^(23 21 16)		
23 21 16 00-0435		Bronze Body Basket Strainers ^(23 21 16 00-0434)		
23 21 16 00-0436		Screwed Ends, Bronze Body Basket Strainers ^(23 21 16 00-0435)		
23 21 16 00-0437	EA	1/2" Screwed Ends, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	249.08 12.07	20.28
23 21 16 00-0438	EA	3/4" Screwed Ends, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	294.34 14.18	23.83
23 21 16 00-0439	EA	1" Screwed Ends, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	341.62 16.90	28.39
23 21 16 00-0440	EA	1-1/4" Screwed Ends, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	424.53 18.84	31.43
23 21 16 00-0441	EA	1-1/2" Screwed Ends, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	500.89 21.27	35.48
23 21 16 00-0442	EA	2" Screwed Ends, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	743.23 24.36	40.56
23 21 16 00-0443	EA	4" Screwed Ends, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,050.62 32.63	54.25
23 21 16 00-0444	EA	3" Screwed Ends, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,473.54 34.61	57.80
23 21 16 00-0445		Flanged, Bronze Body Basket Strainers ^(23 21 16 00-0435)		
23 21 16 00-0446	EA	2" Flanged, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,172.28 50.70	135.16
23 21 16 00-0447	EA	2-1/2" Flanged, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,754.12 55.31	147.02
23 21 16 00-0448	EA	3" Flanged, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,990.25 64.72	172.37
23 21 16 00-0449	EA	4" Flanged, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	3,365.16 108.64	288.97
23 21 16 00-0450	EA	6" Flanged, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	6,345.43 122.28	324.93
23 21 16 00-0451	EA	8" Flanged, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	11,538.26 154.73	415.19
23 21 16 00-0452		Iron Body Basket Strainers ^(23 21 16 00-0434)		
23 21 16 00-0453		Screwed Ends, Iron Body Basket Strainers ^(23 21 16 00-0452)		

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0454 EA 1/2" Screwed Ends, Iron Body Basket Strainer.....	349.42	20.28
For Work In Restricted Working Space, Add	12.07	
23 21 16 00-0455 EA 3/4" Screwed Ends, Iron Body Basket Strainer.....	393.34	23.83
For Work In Restricted Working Space, Add	14.18	
23 21 16 00-0456 EA 1" Screwed Ends, Iron Body Basket Strainer.....	464.80	28.39
For Work In Restricted Working Space, Add	16.90	
23 21 16 00-0457 EA 1-1/4" Screwed Ends, Iron Body Basket Strainer.....	610.27	31.43
For Work In Restricted Working Space, Add	18.84	
23 21 16 00-0458 EA 1-1/2" Screwed Ends, Iron Body Basket Strainer.....	669.44	35.48
For Work In Restricted Working Space, Add	21.27	
23 21 16 00-0459 EA 2" Screwed Ends, Iron Body Basket Strainer.....	796.03	40.56
For Work In Restricted Working Space, Add	24.36	
23 21 16 00-0460 EA 2-1/2" Screwed Ends, Iron Body Basket Strainer.....	1,129.94	54.25
For Work In Restricted Working Space, Add	32.63	
23 21 16 00-0461 EA 3" Screwed Ends, Iron Body Basket Strainer.....	1,278.36	57.80
For Work In Restricted Working Space, Add	34.61	
23 21 16 00-0462 Flanged, Iron Body Basket Strainers (23 21 16 00-0452)		
23 21 16 00-0463 EA 2" Flanged, Iron Body Basket Strainer.....	742.35	135.16
For Work In Restricted Working Space, Add	50.70	
23 21 16 00-0464 EA 2-1/2" Flanged, Iron Body Basket Strainer.....	957.14	147.02
For Work In Restricted Working Space, Add	55.31	
23 21 16 00-0465 EA 3" Flanged, Iron Body Basket Strainer.....	1,038.38	172.37
For Work In Restricted Working Space, Add	64.72	
23 21 16 00-0466 EA 4" Flanged, Iron Body Basket Strainer.....	1,600.26	288.97
For Work In Restricted Working Space, Add	108.64	
23 21 16 00-0467 EA 6" Flanged, Iron Body Basket Strainer.....	2,817.39	324.93
For Work In Restricted Working Space, Add	122.28	
23 21 16 00-0468 EA 8" Flanged, Iron Body Basket Strainer.....	4,961.40	415.19
For Work In Restricted Working Space, Add	154.73	
23 21 16 00-0469 EA 10" Flanged, Iron Body Basket Strainer.....	7,321.03	505.44
For Work In Restricted Working Space, Add	189.54	
23 21 16 00-0470 EA 12" Flanged, Iron Body Basket Strainer.....	9,209.98	637.22
For Work In Restricted Working Space, Add	382.29	
23 21 16 00-0471 EA 14" Flanged, Iron Body Basket Strainer.....	10,915.65	722.07
For Work In Restricted Working Space, Add	270.77	
23 21 16 00-0472 EA 16" Flanged, Iron Body Basket Strainer.....	11,462.93	794.27
For Work In Restricted Working Space, Add	297.85	
23 21 16 00-0473 Cast Steel Body Basket Strainers (23 21 16 00-0434)		
23 21 16 00-0474 Screwed Ends, Cast Steel Body Basket Strainers (23 21 16 00-0473)		
23 21 16 00-0475 EA 1" Screwed Ends, Cast Steel Body Basket Strainer.....	522.32	28.39
For Work In Restricted Working Space, Add	16.90	
23 21 16 00-0476 EA 1-1/4" Screwed Ends, Cast Steel Body Basket Strainer.....	684.79	31.43
For Work In Restricted Working Space, Add	18.84	
23 21 16 00-0477 EA 1-1/2" Screwed Ends, Cast Steel Body Basket Strainer.....	771.86	35.48
For Work In Restricted Working Space, Add	21.27	
23 21 16 00-0478 EA 2" Screwed Ends, Cast Steel Body Basket Strainer.....	1,078.34	40.56
For Work In Restricted Working Space, Add	24.36	
23 21 16 00-0479 EA 2-1/2" Screwed Ends, Cast Steel Body Basket Strainer.....	1,510.68	54.25
For Work In Restricted Working Space, Add	32.63	
23 21 16 00-0480 EA 3" Screwed Ends, Cast Steel Body Basket Strainer.....	1,951.70	57.80
For Work In Restricted Working Space, Add	34.61	
23 21 16 00-0481 Flanged, Cast Steel Body Basket Strainers (23 21 16 00-0473)		
23 21 16 00-0482 EA 2" Flanged, Cast Steel Body Basket Strainer.....	1,620.28	135.16
For Work In Restricted Working Space, Add	50.70	
23 21 16 00-0483 EA 2-1/2" Flanged, Cast Steel Body Basket Strainer.....	2,306.99	147.02
For Work In Restricted Working Space, Add	55.31	
23 21 16 00-0484 EA 3" Flanged, Cast Steel Body Basket Strainer.....	2,535.83	172.37
For Work In Restricted Working Space, Add	64.72	
23 21 16 00-0485 EA 4" Flanged, Cast Steel Body Basket Strainer.....	3,620.14	288.97
For Work In Restricted Working Space, Add	108.64	
23 21 16 00-0486 EA 6" Flanged, Cast Steel Body Basket Strainer.....	6,281.90	324.93
For Work In Restricted Working Space, Add	122.28	
23 21 16 00-0487 EA 8" Flanged, Cast Steel Body Basket Strainer.....	10,141.69	415.19
For Work In Restricted Working Space, Add	154.73	
23 21 16 00-0488 Stainless Steel Body Basket Strainers (23 21 16 00-0434)		
23 21 16 00-0489 Screwed Ends, Stainless Steel Body Basket Strainers (23 21 16 00-0488)		
23 21 16 00-0490 EA 1" Screwed Ends, Stainless Steel Body Basket Strainer.....	376.49	28.39
For Work In Restricted Working Space, Add	16.90	
23 21 16 00-0491 EA 1-1/4" Screwed Ends, Stainless Steel Body Basket Strainer.....	536.72	31.43
For Work In Restricted Working Space, Add	18.84	
23 21 16 00-0492 EA 1-1/2" Screwed Ends, Stainless Steel Body Basket Strainer.....	555.89	35.48
For Work In Restricted Working Space, Add	21.27	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0493	EA	2" Screwed Ends, Stainless Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	815.03 24.36	40.56
23 21 16 00-0494	EA	2-1/2" Screwed Ends, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,150.08 32.63	54.25
23 21 16 00-0495	EA	3" Screwed Ends, Stainless Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,613.17 34.61	57.80
23 21 16 00-0496 Flanged, Stainless Steel Body Basket Strainers (23 21 16 00-0488)				
23 21 16 00-0497	EA	2" Flanged, Stainless Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,261.04 50.70	135.16
23 21 16 00-0498	EA	2-1/2" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,885.03 55.31	147.02
23 21 16 00-0499	EA	3" Flanged, Stainless Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,136.72 64.72	172.37
23 21 16 00-0500	EA	4" Flanged, Stainless Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	3,611.93 108.64	288.97
23 21 16 00-0501	EA	6" Flanged, Stainless Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	5,479.53 122.28	324.93
23 21 16 00-0502	EA	8" Flanged, Stainless Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	9,455.02 154.73	415.19
23 21 23 Hydronic Pumps (23 21)				
23 21 23 13 In-Line Centrifugal Hydronic Pumps (23 21 23)				
23 21 23 13-0001 Cast Iron Single Stage In-Line Centrifugal Pump (23 21 23 13)				
Note: For general service, 125 LB flanged, 3550 RPM TEFC motor. Includes packed stuffing boxes and ductile iron case.				
23 21 23 13-0002	EA	50 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 100' Head And 3 HP <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	4,712.15 312.00 702.00	270.85
23 21 23 13-0003	EA	75 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 100' Head And 5 HP <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	5,164.01 334.47 752.56	327.82
23 21 23 13-0004	EA	100 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 150' Head And 7-1/2 HP <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	5,974.94 384.60 865.35	389.47
23 21 23 13-0005	EA	125 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 150' Head And 10 HP <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	6,493.74 394.97 888.68	519.29
23 21 23 13-0006	EA	150 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 200' Head And 15 HP <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	7,710.63 481.00 1,082.25	565.99
23 21 23 13-0007	EA	200 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 300' Head And 30 HP <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	11,396.47 762.28 1,715.13	622.96
23 21 23 13-0008	EA	250 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 300' Head And 40 HP <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	13,418.98 886.72 1,995.13	778.00
23 21 23 13-0009	EA	300 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 300' Head And 50 HP <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	11,419.18 700.06 1,575.12	889.14
23 21 23 13-0010	EA	400 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 400' Head And 75 HP <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	23,496.82 1,655.10 3,723.98	935.98
23 21 23 13-0011	EA	600 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 400' Head And 100 HP <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	25,764.13 1,772.31 3,987.69	1,203.14
23 21 23 16 Base-Mounted, Centrifugal Hydronic Pumps (23 21 23)				
See CSI section 26 29 23 00-0000 for variable frequency motor controllers.				
23 21 23 16-0001 Single Stage, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)				
Note: 1800 RPM, welded steel baseplate, internally flushed mechanical seal, bronze wear ring, galvanized drip pan, and 3 phase 230/460V premium efficiency motor. Bell & Gossett 1510 Series.				
23 21 23 16-0002	EA	5 HP, 50 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/4 BC, BF, 184T)	3,714.09	296.07
23 21 23 16-0003	EA	7.5 HP, 100 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/2 BC, BF, 213T)	4,142.34	296.44
23 21 23 16-0004	EA	10 HP, 225 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 215T)	5,437.43	389.47
23 21 23 16-0005	EA	15 HP, 250 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 254T)	6,017.10	479.13
23 21 23 16-0006	EA	15 HP, 300 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 G, BF, 254T)	6,671.42	479.13
23 21 23 16-0007	EA	20 HP, 350 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 E, BF, 256T)	6,548.54	519.29
23 21 23 16-0008	EA	20 HP, 500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 256T)	6,920.55	519.29
23 21 23 16-0009	EA	25 HP, 600 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 284T)	7,553.70	544.51
23 21 23 16-0010	EA	30 HP, 750 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 286T)	8,484.86	692.08
23 21 23 16-0011	EA	40 HP, 1,050 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 324T)	9,031.02	778.00
23 21 23 16-0012	EA	60 HP, 1,500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 6 E, BF, 364T)	14,846.26	1,877.67
23 21 23 16-0013	EA	75 HP, 2,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 365T)	20,931.81	2,252.81
23 21 23 16-0014	EA	100 HP, 3,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 404TS)	24,068.39	2,816.00



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Piping and Pumps			23 20
Hydronic Piping and Pumps			23 21

23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0015		Single Stage, Vertical Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16) Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.		
23 21 23 16-0016	EA	40 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 1-1/2 HP For 300 LB Flanges, Add	2,069.73 419.33	217.61
23 21 23 16-0017	EA	50 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 2 HP For 300 LB Flanges, Add	2,460.62 527.60	233.50
23 21 23 16-0018	EA	90 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 3 HP For 300 LB Flanges, Add	3,056.16 660.27	249.37
23 21 23 16-0019	EA	100 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 5 HP For 300 LB Flanges, Add	3,623.01 772.33	296.07
23 21 23 16-0020	EA	150 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 7.5 HP For 300 LB Flanges, Add	3,807.11 811.68	296.44
23 21 23 16-0021	EA	200 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP For 300 LB Flanges, Add	4,187.42 871.74	389.47
23 21 23 16-0022	EA	225 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP For 300 LB Flanges, Add	4,187.42 871.74	389.47
23 21 23 16-0023	EA	250 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP For 300 LB Flanges, Add	4,187.42 871.74	389.47
23 21 23 16-0024	EA	300 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 15 HP For 300 LB Flanges, Add	5,107.41 1,061.32	479.13
23 21 23 16-0025	EA	350 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 15 HP For 300 LB Flanges, Add	5,211.76 1,078.72	478.76
23 21 23 16-0026	EA	500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 20 HP For 300 LB Flanges, Add	5,480.29 1,136.58	519.29
23 21 23 16-0027	EA	600 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 25 HP For 300 LB Flanges, Add	5,994.52 1,246.48	544.51
23 21 23 16-0028	EA	750 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 30 HP For 300 LB Flanges, Add	6,778.84 1,383.39	692.08
23 21 23 16-0029	EA	1,050 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 40 HP For 300 LB Flanges, Add	7,676.18 1,568.81	778.00
23 21 23 16-0030	EA	1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 60 HP For 300 LB Flanges, Add	12,671.63 2,262.76	1,877.67
23 21 23 16-0031	EA	2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 75 HP For 300 LB Flanges, Add	15,118.86 2,693.54	2,252.81
23 21 23 16-0032	EA	3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 100 HP For 300 LB Flanges, Add	18,204.99 3,193.53	2,816.00
23 21 23 16-0033		Single Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16) Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.		
23 21 23 16-0034	EA	40 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 1-1/2" HP For 300 LB Flanges, Add	3,018.37 656.49	217.61
23 21 23 16-0035	EA	50 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 2 HP For 300 LB Flanges, Add	3,112.97 673.16	233.50
23 21 23 16-0036	EA	90 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 3 HP For 300 LB Flanges, Add	3,207.70 689.85	249.37
23 21 23 16-0037	EA	100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 5 HP For 300 LB Flanges, Add	3,461.50 750.54	254.97
23 21 23 16-0038	EA	100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 7.5 HP For 300 LB Flanges, Add	5,468.80 1,233.78	296.07
23 21 23 16-0039	EA	250 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 10 HP For 300 LB Flanges, Add	7,211.42 1,651.43	389.47
23 21 23 16-0040	EA	350 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 15 HP For 300 LB Flanges, Add	7,427.60 1,681.78	420.28
23 21 23 16-0041	EA	500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 20 HP For 300 LB Flanges, Add	7,955.23 1,773.28	466.98
23 21 23 16-0042	EA	750 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 25 HP For 300 LB Flanges, Add	8,765.32 1,980.73	468.44
23 21 23 16-0043	EA	1,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 40 HP For 300 LB Flanges, Add	9,936.00 2,213.23	602.02
23 21 23 16-0044	EA	1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 50 HP For 300 LB Flanges, Add	12,686.12 2,809.47	751.27
23 21 23 16-0045	EA	2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 75 HP For 300 LB Flanges, Add	14,446.41 3,159.03	938.33
23 21 23 16-0046	EA	3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 100 HP For 300 LB Flanges, Add	20,239.21 4,516.72	1,126.40
23 21 23 16-0047	EA	3,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 150 HP For 300 LB Flanges, Add	37,077.87 8,666.04	1,251.11
23 21 23 16-0048	EA	4,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 200 HP For 300 LB Flanges, Add	39,860.00 9,189.16	1,609.14
23 21 23 16-0049		Two Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16) Note: 3500 RPM drip-proof motor, common base plate 500' head. Packed stuffing box and boiler feed water service.		
23 21 23 16-0050	EA	100 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 40 HP For 300 LB Flanges, Add	10,314.49 2,363.09	479.13

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0051 EA 200 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 50 HP..... <i>For 300 LB Flanges, Add</i>	11,173.40 2,559.86	519.29
23 21 23 16-0052 EA 300 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 75 HP..... <i>For 300 LB Flanges, Add</i>	13,576.89 3,074.74	697.74
23 21 23 16-0053 EA 400 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 100 HP..... <i>For 300 LB Flanges, Add</i>	26,108.65 6,087.87	958.74
23 21 23 16-0054 EA 800 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 200 HP..... <i>For 300 LB Flanges, Add</i>	32,137.53 7,448.66	1,278.32
23 21 23 16-0055 Cast Iron Close Coupling Pumps (23 21 23 16)		
23 21 23 16-0056 Foot Mounted Cast Iron Close Coupled Pumps (23 21 23 16-0055)		
23 21 23 16-0057 EA 3 HP, 90 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 1-1/2 AC, BF, 182JM).....	3,341.69	280.20
23 21 23 16-0058 EA 3 HP, 150 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 AB, BF, 182JM).....	3,609.30	280.20
23 21 23 16-0059 EA 5 HP, 225 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 BB, BF, 184JM).....	3,995.65	295.77
23 21 23 16-0060 EA 5 HP, 350 GPM At 25' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 184JM).....	4,232.38	295.77
23 21 23 16-0061 EA 7.5 HP, 350 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 213JM).....	4,831.94	311.01
23 21 23 16-0062 EA 10 HP, 600 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 5 A, BF, 215JM).....	5,737.85	376.08
23 21 23 16-0063 EA 15 HP, 1,000 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 254JP).....	7,497.91	463.30
23 21 23 16-0064 EA 20 HP, 1,350 GPM At 30' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 256JP).....	8,032.79	501.44
23 21 23 16-0065 EA 25 HP, 1,550 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 284JP).....	9,258.83	541.54
23 21 23 16-0066 Pumps, Polypropylene Body, Housing And Impeller, 115/230 Volt (23 21 23 16)		
23 21 23 16-0067 EA 1/3 HP, Centrifugal Pump, Polypropylene Body.....	871.63	144.69
23 21 23 16-0068 EA 1/2 HP, Centrifugal Pump, Polypropylene Body.....	929.14	153.41
23 21 23 16-0069 EA 3/4 HP, Centrifugal Pump, Polypropylene Body.....	1,071.25	163.34
23 21 23 23 Vertical-Turbine Hydronic Pumps (23 21 23)		
See CSI section 26 29 23 00-0000 for variable frequency motor controllers.		
23 21 23 23-0001 Cast Iron, Bronze Fitted Vertical Turbine Wet Sump Pumps (23 21 23 23)		
Note: For water supply, cooling towers and process liquids. Multi-stage 1750 RPM drip-proof motor. For 1' to 5' sump depth.		
23 21 23 23-0002 EA 50 GPM Cast Iron Turbine Pump, 3" Discharge 100' Head, 10 Stage, 2 HP..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	5,982.71 520.13 197.80 137.97	692.08
23 21 23 23-0003 EA 100 GPM Cast Iron Turbine Pump, 4" Discharge 100' Head, 7 Stage, 3 HP..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	6,222.72 539.66 207.06 144.84	778.00
23 21 23 23-0004 EA 250 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 5 Stage, 15 HP..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	7,605.81 662.34 250.35 174.30	751.27
23 21 23 23-0005 EA 500 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 3 Stage, 25 HP..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	8,143.52 707.18 270.04 188.60	866.92
23 21 23 23-0006 EA 1,000 GPM Cast Iron Turbine Pump, 8" Discharge 150' Head, 2 Stage, 50 HP..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	9,771.05 842.03 330.50 232.79	938.33
23 21 23 23-0007 EA 2,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 3 Stage, 100 HP..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	14,883.28 1,263.07 522.92 374.09	1,126.40
23 21 23 23-0008 EA 3,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 2 Stage, 150 HP..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	17,916.83 1,523.86 626.16 446.99	1,408.00
23 21 23 23-0009 EA 4,000 GPM Cast Iron Turbine Pump, 12" Discharge 150' Head, 2 Stage, 200 HP..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	27,582.21 2,310.02 999.84 724.02	1,609.14
23 21 23 23-0010 EA 6,000 GPM Cast Iron Turbine Pump, 14" Discharge 150' Head, 2 Stage, 300 HP..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	35,766.08 2,981.97 1,309.96 952.30	1,877.67
23 21 23 23-0011 EA 10,000 GPM Cast Iron Turbine Pump, 18" Discharge 100' Head, 2 Stage, 300 HP..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	49,423.36 4,098.69 1,832.11 1,337.88	2,252.81

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 29 Automatic Condensate Pump Units (23 21)		
23 21 29 00-0001 Automatic Shallow Pan Condensate Pump (23 21 29)		
23 21 29 00-0002 EA 1/150 HP, 205 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 1-ABS)	192.19	30.35
23 21 29 00-0003 EA 1/40 HP, 300 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 2-ABS)	208.64	30.35
23 21 29 00-0004 EA 1/12 HP, 310 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 3-ABS)	326.20	35.02
23 21 29 00-0005 Automatic Condensate Pump With Tank (23 21 29)		
23 21 29 00-0006 EA 1/20 HP Automatic Condensate Pump With Tank (Hartell KT-15-1UL)	104.93	23.35
23 21 29 00-0007 EA 1/30 HP Automatic Condensate Pump With Tank (Little Giant VCMX-20)	111.95	23.35
23 21 29 00-0008 EA 1/50 HP, 200 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-14ULS)	186.80	30.35
23 21 29 00-0009 EA 1/18 HP, 270 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-24ULS)	201.53	35.02
23 21 29 00-0010 EA 1/5 HP, 450 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-45ULS)	373.80	39.70
Condensate Pump		
23 22 Steam and Condensate Piping and Pumps (23 20)		
23 22 16 Steam and Condensate Heating Piping Specialties (23 22)		
23 22 16 00-0001 High Temperature Safety Relief Valve (23 22 16)		
Note: Used in steam or water boiler, heating systems and unfired pressure vessel applications.		
23 22 16 00-0002 Cast Iron Body Safety Valve, Steam Or Water (23 22 16 00-0001)		
Note: Variable set points to 500 psig pressure, 400 Degree F temperature range.		
23 22 16 00-0003 Threaded (23 22 16 00-0002)		
23 22 16 00-0004 EA 3/4" x 1" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	470.79	15.20
23 22 16 00-0005 EA 1" x 1-1/4" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	491.94	17.99
23 22 16 00-0006 EA 1-1/4" x 1-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	541.57	22.80
23 22 16 00-0007 EA 1-1/2" x 2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	669.01	25.34
23 22 16 00-0008 EA 2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	856.97	31.16
23 22 16 00-0009 EA 2-1/2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	1,334.47	35.47
23 22 16 00-0010 EA 3" x 3" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	1,445.38	40.79
23 22 16 00-0011 Flanged (23 22 16 00-0002)		
23 22 16 00-0012 EA 1-1/2" x 2-1/2" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	3,343.27	106.41
23 22 16 00-0013 EA 2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	3,887.89	159.96
23 22 16 00-0014 EA 2-1/2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	4,298.98	147.32
23 22 16 00-0015 EA 2-1/2" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	5,217.41	212.78
23 22 16 00-0016 EA 3" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	5,576.89	158.68
23 22 16 00-0017 EA 3" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	6,549.18	212.78
23 22 16 00-0018 EA 4" x 6" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	10,966.55	301.95
23 22 16 00-0019 EA 6" x 8" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	21,846.02	337.22
23 22 16 00-0020 Bronze Body Safety Valve, Threaded, Steam (23 22 16 00-0001)		
Note: Variable set points to 250 psig pressure, 400 Degree F temperature range. Valve also can be set for Air or Gas with variable set points to 300 psig pressure.		
23 22 16 00-0021 EA 3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Steam	513.31	13.94
23 22 16 00-0022 EA 3/4" x 1" Threaded Bronze Body Safety Relief Valve, Steam	525.41	15.20
23 22 16 00-0023 EA 1" x 1" Threaded Bronze Body Safety Relief Valve, Steam	615.43	16.72
23 22 16 00-0024 EA 1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	679.79	17.99
23 22 16 00-0025 EA 1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	786.75	20.27
23 22 16 00-0026 EA 1-1/4" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam	789.69	22.80
23 22 16 00-0027 EA 1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam	888.86	24.07
23 22 16 00-0028 EA 1-1/2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	969.04	25.34
23 22 16 00-0029 EA 2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	1,348.37	28.38
23 22 16 00-0030 EA 2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	1,473.55	31.16
23 22 16 00-0031 EA 2-1/2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	1,758.96	35.47
23 22 16 00-0032 Bronze Body Safety Valve, Threaded, Water (23 22 16 00-0001)		
Note: Variable set points to 160 psig pressure, 250 Degree F temperature range.		
23 22 16 00-0033 EA 3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Water	238.36	13.94
23 22 16 00-0034 EA 3/4" x 1" Threaded Bronze Body Safety Relief Valve, Water	271.92	15.20
23 22 16 00-0035 EA 1" x 1" Threaded Bronze Body Safety Relief Valve, Water	378.58	16.72
23 22 16 00-0036 EA 1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water	417.02	17.99
23 22 16 00-0037 EA 1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water	605.74	20.27
23 22 16 00-0038 EA 1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Water	818.58	24.07
23 22 16 00-0039 EA 2" x 2" Threaded Bronze Body Safety Relief Valve, Water	1,197.00	28.38
23 22 16 00-0040 Steam Temperature Regulator, Iron Body (23 22 16)		
23 22 16 00-0041 Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0040)		
Note: Up to 150 PSI.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 22 Steam and Condensate Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0042 EA 1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,277.04	14.59
23 22 16 00-0043 EA 3/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,342.74	19.66
23 22 16 00-0044 EA 1" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,782.36	24.22
23 22 16 00-0045 EA 1-1/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,967.24	30.61
23 22 16 00-0046 EA 1-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,017.70	35.16
23 22 16 00-0047 EA 2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,384.94	38.27
23 22 16 00-0048 EA 2-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,031.24	70.10
23 22 16 00-0049 EA 3" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,193.71	76.45
23 22 16 00-0050 EA 4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,274.87	178.93
23 22 16 00-0051 EA 6" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	5,368.31	210.02
23 22 16 00-0052 Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0040)		
23 22 16 00-0053 EA 1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,894.76	14.59
23 22 16 00-0054 EA 3/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,961.41	19.66
23 22 16 00-0055 EA 1" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,048.02	24.22
23 22 16 00-0056 EA 1-1/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,451.25	30.61
23 22 16 00-0057 EA 1-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,625.45	35.16
23 22 16 00-0058 EA 2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,981.75	38.27
23 22 16 00-0059 EA 2-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,566.99	70.10
23 22 16 00-0060 EA 3" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,010.31	76.45
23 22 16 00-0061 EA 4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,232.19	178.93
23 22 16 00-0062 EA 6" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	6,765.13	210.02
23 22 16 00-0063 Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0040)		
23 22 16 00-0064 EA 1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,583.50	14.59
23 22 16 00-0065 EA 3/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,620.09	19.66
23 22 16 00-0066 EA 1" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,866.84	24.22
23 22 16 00-0067 EA 1-1/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,120.87	30.61
23 22 16 00-0068 EA 1-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,233.20	35.16
23 22 16 00-0069 EA 2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,647.75	38.27
23 22 16 00-0070 EA 2-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	6,750.51	70.10
23 22 16 00-0071 EA 3" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,234.14	76.45
23 22 16 00-0072 EA 4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	5,430.45	178.93
23 22 16 00-0073 EA 6" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,579.59	210.02
23 22 16 00-0074 Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0040)		
23 22 16 00-0075 EA 1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,311.34	14.59
23 22 16 00-0076 EA 3/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,344.30	19.66
23 22 16 00-0077 EA 1" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,631.07	24.22
23 22 16 00-0078 EA 1-1/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,783.18	30.61
23 22 16 00-0079 EA 1-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,928.28	35.16
23 22 16 00-0080 EA 2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,277.33	38.27
23 22 16 00-0081 EA 2-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,114.43	70.10
23 22 16 00-0082 EA 3" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,447.36	76.45
23 22 16 00-0083 EA 4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	5,643.67	178.93
23 22 16 00-0084 EA 6" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,792.80	210.02
23 22 16 00-0085 Steam Traps (23 22 16)		
23 22 16 00-0086 Inverted Bucket Steam Traps (23 22 16 00-0085)		
23 22 16 00-0087 EA 1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap	257.49	30.42
For Work In Restricted Working Space, Add	18.25	
23 22 16 00-0088 EA 3/4" 250 PSI Inverted Bucket Cast Iron Steam Trap	260.03	31.68
For Work In Restricted Working Space, Add	19.01	
23 22 16 00-0089 EA 1" 250 PSI Inverted Bucket Cast Iron Steam Trap	384.18	33.76
For Work In Restricted Working Space, Add	20.28	
23 22 16 00-0090 EA 1-1/4" 250 PSI Inverted Bucket Cast Iron Steam Trap	619.80	46.08
For Work In Restricted Working Space, Add	27.65	
23 22 16 00-0091 EA 1-1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap	920.41	56.78
For Work In Restricted Working Space, Add	33.80	
23 22 16 00-0092 EA 2" 250 PSI Inverted Bucket Cast Iron Steam Trap	1,176.89	84.50
For Work In Restricted Working Space, Add	50.70	
23 22 16 00-0093 Float And Thermostatic Steam Traps (23 22 16 00-0085)		
23 22 16 00-0094 EA 3/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	272.10	31.68
For Work In Restricted Working Space, Add	19.01	
23 22 16 00-0095 EA 1" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	356.99	33.80
For Work In Restricted Working Space, Add	20.28	
23 22 16 00-0096 EA 1-1/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	442.32	46.09
For Work In Restricted Working Space, Add	27.65	
23 22 16 00-0097 EA 1-1/2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	597.11	56.33
For Work In Restricted Working Space, Add	33.80	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23****HVAC Piping and Pumps****23 20****Steam and Condensate Piping and Pumps****23 22****23**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0098	EA	2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	1,088.33	84.46
		For Work In Restricted Working Space, Add	50.70	
23 22 16 00-0099	EA	3/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	344.77	31.68
		For Work In Restricted Working Space, Add	19.01	
23 22 16 00-0100	EA	1" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	374.58	33.76
		For Work In Restricted Working Space, Add	20.28	
23 22 16 00-0101	EA	1-1/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	490.28	46.08
		For Work In Restricted Working Space, Add	27.65	
23 22 16 00-0102	EA	1-1/2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	702.63	56.28
		For Work In Restricted Working Space, Add	33.80	
23 22 16 00-0103	EA	2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	1,195.46	84.49
		For Work In Restricted Working Space, Add	50.70	
23 22 16 00-0104	EA	3/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	445.50	31.68
		For Work In Restricted Working Space, Add	19.01	
23 22 16 00-0105	EA	1" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	496.09	33.80
		For Work In Restricted Working Space, Add	20.28	
23 22 16 00-0106	EA	1-1/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	754.10	46.08
		For Work In Restricted Working Space, Add	27.65	
23 22 16 00-0107	EA	1-1/2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	774.59	56.28
		For Work In Restricted Working Space, Add	33.80	
23 22 16 00-0108	EA	2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	1,497.63	84.50
		For Work In Restricted Working Space, Add	50.70	
23 22 16 00-0109	EA	3/4" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	451.89	31.68
		For Work In Restricted Working Space, Add	19.01	
23 22 16 00-0110	EA	1" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	496.09	33.80
		For Work In Restricted Working Space, Add	20.28	
23 22 16 00-0111	EA	1-1/4" 150 PSI Max Pressure Float And Thermostatic Steam Trap.....	754.10	46.08
		For Work In Restricted Working Space, Add	27.65	
23 22 16 00-0112	EA	1-1/2" 150 PSI Max Pressure Float And Thermostatic Steam Trap	774.59	56.28
		For Work In Restricted Working Space, Add	33.80	
23 22 16 00-0113	EA	2" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	1,497.63	84.49
		For Work In Restricted Working Space, Add	50.70	
23 22 16 00-0114		Thermostatic Steam Traps (23 22 16 00-0085)		
23 22 16 00-0115	EA	1/2" 25 PSI Maximum Pressure Thermostatic Steam Trap.....	135.01	30.42
		For Work In Restricted Working Space, Add	18.25	
23 22 16 00-0116	EA	3/4" 25 PSI Maximum Pressure Thermostatic Steam Trap.....	221.64	31.68
		For Work In Restricted Working Space, Add	19.01	
23 22 16 00-0117	EA	1" 25 PSI Maximum Pressure Thermostatic Steam Trap.....	272.61	33.76
		For Work In Restricted Working Space, Add	20.28	
23 22 16 00-0118		Thermodynamic Steam Traps (23 22 16 00-0085)		
23 22 16 00-0119	EA	3/8" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	290.13	27.38
23 22 16 00-0120	EA	1/2" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	409.39	30.42
23 22 16 00-0121	EA	3/4" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	506.25	31.68
23 22 16 00-0122	EA	1" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	676.76	33.76
23 22 16 00-0123		Steam Moisture Separator (23 22 16 00-0085)		
23 22 16 00-0124	EA	1/2" Steam Moisture Separator, Threaded (Spirax Sarco S1)	624.26	50.70
23 22 16 00-0125	EA	3/4" Steam Moisture Separator, Threaded (Spirax Sarco S1)	663.58	68.44
23 22 16 00-0126	EA	1" Steam Moisture Separator, Threaded (Spirax Sarco S1)	798.38	77.06
23 22 16 00-0127	EA	1-1/2" Steam Moisture Separator, Threaded (Spirax Sarco S2)	1,258.78	88.21
23 22 16 00-0128	EA	2" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	1,545.02	135.16
23 22 16 00-0129	EA	2-1/2" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	2,321.70	147.02
23 22 16 00-0130	EA	3" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	2,657.76	172.37
23 22 16 00-0131	EA	4" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	3,666.19	288.97
23 22 16 00-0132	EA	6" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	7,141.73	365.02
23 22 16 00-0133		Steam/Condensate Meter (23 22 16)		
		Note: Meter shall be of the rotary volumetric type and sized on the maximum estimated steam demand.		
23 22 16 00-0134	EA	1" Steam/Condensate Meter.....	4,981.24	84.00
		For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
		For Contactor Used For Dial Counter, Add	567.00	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
		For Direct Reading Pressure Gauge, Add	79.82	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0135	EA	2" Steam/Condensate Meter.....	5,620.25	98.71
		For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
		For Contactor Used For Dial Counter, Add	567.00	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
		For Direct Reading Pressure Gauge, Add	79.82	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0136	EA	2-1/2" Steam/Condensate Meter.....	5,961.70	122.50
		For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
		For Contactor Used For Dial Counter, Add	567.00	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
		For Direct Reading Pressure Gauge, Add	79.82	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 22 Steam and Condensate Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0137 EA 3" Steam/Condensate Meter.....	6,322.74	161.01
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0138 EA 4" Steam/Condensate Meter.....	7,129.50	250.15
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0139 EA 6" Steam/Condensate Meter.....	12,207.84	316.42
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0140 EA 8" Steam/Condensate Meter.....	12,645.83	399.49
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0141 EA 10" Steam/Condensate Meter.....	13,230.78	490.03
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0142 EA 12" Steam/Condensate Meter.....	13,869.76	595.04
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0143 EA 14" Steam/Condensate Meter.....	14,766.82	700.04
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0144 EA 16" Steam/Condensate Meter.....	15,290.31	770.05
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	

23 22 23 Steam Condensate Pumps (23 22)**23 22 23 13 Electric-Driven Steam Condensate Pumps (23 22 23)****23 22 23 13-0001 Simplex Condensate Pumps And Motors (23 22 23 13)**

Note: Cast iron receiver, float switch.

23 22 23 13-0002 20 PSI Discharge Pressure (23 22 23 13-0001)

23 22 23 13-0003 EA 3 To 6 GPM Simplex Condensate Pump And 1/3 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	2,664.13	475.39
23 22 23 13-0004 EA 9 To 12 GPM Simplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	3,556.95	488.47
23 22 23 13-0005 EA 15 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	3,708.73	521.16
23 22 23 13-0006 EA 22.5 GPM Simplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	4,136.04	526.76
23 22 23 13-0007 EA 30 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	4,638.76	573.46
23 22 23 13-0008 EA 37.5 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	7,114.84	573.46
23 22 23 13-0009 EA 45 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	7,199.15	612.68
23 22 23 13-0010 EA 60 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	8,899.10	640.70
23 22 23 13-0011 EA 75 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	8,966.69	668.73

23 22 23 13-0012 30 PSI Discharge Pressure (23 22 23 13-0001)

23 22 23 13-0013 EA 3 To 6 GPM Simplex Condensate Pump And 1/2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	3,099.10	508.08
23 22 23 13-0014 EA 9 To 12 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	4,192.54	521.16
23 22 23 13-0015 EA 15 GPM Simplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	4,338.30	555.71

**Heating, Ventilating, and Air-Conditioning (HVAC)****23****HVAC Piping and Pumps****23 20****Steam and Condensate Piping and Pumps****23 22****23**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0016 EA 22.5 GPM Simplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,062.33	600.54
23 22 23 13-0017 EA 30 To 37.5 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	7,199.15	613.62
23 22 23 13-0018 EA 45 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	7,393.11	635.10
23 22 23 13-0019 EA 60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	7,601.80	668.73
23 22 23 13-0020 EA 75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	8,888.51	711.69
23 22 23 13-0021 40 PSI Discharge Pressure (23 22 23 13-0001)		
23 22 23 13-0022 EA 3 To 6 GPM Simplex Condensate Pump And 1 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	3,437.35	582.80
23 22 23 13-0023 EA 9 To 15 GPM Simplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	4,501.28	629.49
23 22 23 13-0024 EA 22.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	5,354.62	622.03
23 22 23 13-0025 EA 30 To 37.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	7,353.78	635.10
23 22 23 13-0026 EA 45 GPM Simplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	7,494.14	662.19
23 22 23 13-0027 EA 60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	8,966.69	668.73
23 22 23 13-0028 EA 75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	9,055.68	711.69
23 22 23 13-0029 50 PSI Discharge Pressure (23 22 23 13-0001)		
23 22 23 13-0030 EA 3 To 6 GPM Simplex Condensate Pump And 2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	6,985.27	631.37
23 22 23 13-0031 EA 9 To 15 GPM Simplex Condensate Pump And 2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	4,855.26	644.44
23 22 23 13-0032 EA 22.5 GPM Simplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,677.89	649.11
23 22 23 13-0033 EA 30 To 45 GPM Simplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	7,581.13	706.08
23 22 23 13-0034 EA 60 To 75 GPM Simplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	12,343.98	761.19
23 22 23 13-0035 Duplex Condensate Pumps And Motors (23 22 23 13)		
Note: Cast iron receiver, float switch, alternator assembly.		
23 22 23 13-0036 20 PSI Discharge Pressure (23 22 23 13-0035)		
23 22 23 13-0037 EA 9 To 12 GPM Duplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	4,555.89	637.91
23 22 23 13-0038 EA 15 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,801.66	700.48
23 22 23 13-0039 EA 22.5 GPM Duplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,311.56	706.08
23 22 23 13-0040 EA 30 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,956.48	769.59
23 22 23 13-0041 EA 37.5 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	8,629.23	769.59
23 22 23 13-0042 EA 45 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	8,745.38	829.37
23 22 23 13-0043 EA 60 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	10,484.92	865.80
23 22 23 13-0044 EA 75 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	10,721.40	908.76
23 22 23 13-0045 30 PSI Discharge Pressure (23 22 23 13-0035)		
23 22 23 13-0046 EA 9 To 12 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	6,054.50	687.40
23 22 23 13-0047 EA 15 GPM Duplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,305.03	750.91
23 22 23 13-0048 EA 22.5 GPM Duplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,994.04	732.24
23 22 23 13-0049 EA 30 To 37.5 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	8,745.38	829.37
23 22 23 13-0050 EA 45 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	8,986.80	860.18
23 22 23 13-0051 EA 60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	10,328.06	908.76
23 22 23 13-0052 EA 75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	10,819.46	974.14
23 22 23 13-0053 40 PSI Discharge Pressure (23 22 23 13-0035)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 22 Steam and Condensate Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0054 EA 9 To 15 GPM Duplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	6,499.87	810.69
23 22 23 13-0055 EA 22.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	7,231.51	847.12
23 22 23 13-0056 EA 30 To 37.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	9,010.40	860.18
23 22 23 13-0057 EA 45 GPM Duplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	9,248.85	903.15
23 22 23 13-0058 EA 60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	10,723.37	908.76
23 22 23 13-0059 EA 75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	10,866.66	974.14
23 22 23 13-0060 50 PSI Discharge Pressure (23 22 23 13-0035)		
23 22 23 13-0061 EA 9 To 15 GPM Duplex Condensate Pump And 2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	6,826.34	810.69
23 22 23 13-0062 EA 22.5 GPM Duplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	7,351.96	891.01
23 22 23 13-0063 EA 30 To 45 GPM Duplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	9,394.11	967.60
23 22 23 13-0064 EA 60 To 75 GPM Duplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	17,018.48	1,047.92
23 23 Refrigerant Piping (23 20)		
23 23 13 Refrigerant Piping Valves (23 23)		
23 23 13 00-0001 Ball Valves (23 23 13)		
23 23 13 00-0002 Refrigeration Ball Valves, Sweat, 1400 Series (23 23 13 00-0001)		
23 23 13 00-0003 EA 3/8" Refrigeration Ball Valve, Sweated.....	39.97	10.14
23 23 13 00-0004 EA 1/2" Refrigeration Ball Valve, Sweated.....	41.61	10.14
23 23 13 00-0005 EA 5/8" Refrigeration Ball Valve, Sweated.....	54.63	10.14
23 23 13 00-0006 EA 7/8" Refrigeration Ball Valve, Sweated.....	73.17	11.15
23 23 13 00-0007 EA 1-1/8" Refrigeration Ball Valve, Sweated.....	101.61	12.67
23 23 13 00-0008 EA 1-5/8" Refrigeration Ball Valve, Sweated.....	164.56	15.61
23 23 13 00-0009 Shut-Off Valves (23 23 13)		
23 23 13 00-0010 Packless (23 23 13 00-0009)		
23 23 13 00-0011 EA 1/2" Refrigeration Valve, Packless.....	51.12	10.55
23 23 13 00-0012 EA 5/8" Refrigeration Valve, Packless.....	63.56	11.56
23 23 13 00-0013 EA 7/8" Refrigeration Valve, Packless.....	128.66	15.82
23 23 13 00-0014 Packed (23 23 13 00-0009)		
23 23 13 00-0015 EA 1-1/8" Refrigeration Valve, Packed.....	227.52	23.02
23 23 13 00-0016 EA 1 3/8" Refrigeration Valve, Packed.....	303.60	28.18
23 23 13 00-0017 EA 1-5/8" Refrigeration Valve, Packed.....	369.28	31.73
23 23 13 00-0018 EA 2-1/8" Refrigeration Valve, Packed.....	525.71	36.20
23 23 13 00-0019 EA 2-5/8" Refrigeration Valve, Packed.....	881.06	101.40
23 23 13 00-0020 EA 3-1/8" Refrigeration Valve, Packed.....	1,154.81	126.74
23 23 13 00-0021 EA 4-1/8" Refrigeration Valve, Packed.....	1,639.76	169.03
23 23 13 00-0022 Check Valves (23 23 13)		
23 23 13 00-0023 EA 5/8" Check Valve, Refrigeration.....	65.27	10.14
23 23 13 00-0024 EA 7/8" Check Valve, Refrigeration.....	199.72	11.15
23 23 13 00-0025 EA 1-1/8" Check Valve, Refrigeration.....	231.87	12.67
23 23 13 00-0026 EA 1 3/8" Check Valve, Refrigeration.....	311.82	13.48
23 23 13 00-0027 EA 1-5/8" Check Valve, Refrigeration.....	409.35	15.62
23 23 13 00-0028 EA 2-1/8" Check Valve, Refrigeration.....	604.47	18.45
23 23 13 00-0029 EA 2-5/8" Check Valve, Refrigeration.....	846.35	27.07
23 23 13 00-0030 EA 3-1/8" Check Valve, Refrigeration.....	1,117.29	35.48
23 23 13 00-0031 Solenoid Valves (23 23 13)		
23 23 13 00-0032 Solenoid Valve, 24 Volt Coil (23 23 13 00-0031)		
23 23 13 00-0033 EA 1/2" Solenoid Valve, Refrigeration.....	205.63	10.14
23 23 13 00-0034 EA 5/8" Solenoid Valve, Refrigeration.....	210.66	10.14
23 23 13 00-0035 EA 3/4" Solenoid Valve, Refrigeration.....	260.06	11.15
23 23 13 00-0036 EA 7/8" Solenoid Valve, Refrigeration.....	260.06	11.15
23 23 13 00-0037 EA 1-1/8" Solenoid Valve, Refrigeration.....	364.98	12.67
23 23 13 00-0038 EA 1 3/8" Solenoid Valve, Refrigeration.....	587.79	13.48
23 23 13 00-0039 EA 1-5/8" Solenoid Valve, Refrigeration.....	1,086.96	15.62
23 23 13 00-0040 EA 2-1/8" Solenoid Valve, Refrigeration.....	1,101.13	18.45

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Refrigerant Piping

23 23

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 Refrigerant Piping Specialties (23 23)		
23 23 16 00-0001 Soft Refrigeration Copper Tubing (23 23 16)		
Note: Based on outside diameter. Nitrogenized. Lengths up to 100' See CSI section 22 07 19 00-0320 for flexible elastomeric insulation (insulation on suction line only).		
23 23 16 00-0002 LF 1/8" Outside Diameter Soft Refrigeration Copper Tubing	4.24	2.41
23 23 16 00-0003 LF 3/16" Outside Diameter Soft Refrigeration Copper Tubing	4.44	2.47
23 23 16 00-0004 LF 1/4" Outside Diameter Soft Refrigeration Copper Tubing	4.65	2.54
23 23 16 00-0005 LF 5/16" Outside Diameter Soft Refrigeration Copper Tubing	4.98	2.58
23 23 16 00-0006 LF 3/8" Outside Diameter Soft Refrigeration Copper Tubing	5.13	2.62
23 23 16 00-0007 LF 1/2" Outside Diameter Soft Refrigeration Copper Tubing	5.77	2.76
23 23 16 00-0008 LF 5/8" Outside Diameter Soft Refrigeration Copper Tubing	6.36	2.79
23 23 16 00-0009 LF 3/4" Outside Diameter Soft Refrigeration Copper Tubing	6.96	2.89
23 23 16 00-0010 LF 7/8" Outside Diameter Soft Refrigeration Copper Tubing	9.00	3.39
23 23 16 00-0011 LF 1-1/8" Outside Diameter Soft Refrigeration Copper Tubing	11.44	3.88
23 23 16 00-0012 LF 1-3/8" Outside Diameter Soft Refrigeration Copper Tubing	16.56	4.60
23 23 16 00-0013 LF 1-5/8" Outside Diameter Soft Refrigeration Copper Tubing	19.97	5.14
23 23 16 00-0014 Type L Drawn, ACR Copper Tubing (23 23 16)		
Note: Nitrogenized. Lengths up to 20'. See CSI section 22 07 19 00-0320 for flexible elastomeric insulation (insulation on suction line only).		
23 23 16 00-0015 LF 3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	5.68	2.84
For Medical Applications "Oxygen Clean", Add	0.50	
23 23 16 00-0016 LF 1/2" Outside Diameter Type L Drawn, ACR Copper Tubing	6.39	2.84
For Medical Applications "Oxygen Clean", Add	0.54	
23 23 16 00-0017 LF 5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	6.84	2.84
For Medical Applications "Oxygen Clean", Add	0.56	
23 23 16 00-0018 LF 3/4" Outside Diameter Type L Drawn, ACR Copper Tubing	9.88	4.26
For Medical Applications "Oxygen Clean", Add	0.81	
23 23 16 00-0019 LF 7/8" Outside Diameter Type L Drawn, ACR Copper Tubing	10.80	4.56
For Medical Applications "Oxygen Clean", Add	0.88	
23 23 16 00-0020 LF 1-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	12.57	4.56
For Medical Applications "Oxygen Clean", Add	0.97	
23 23 16 00-0021 LF 1-3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	15.66	5.27
For Medical Applications "Oxygen Clean", Add	1.18	
23 23 16 00-0022 LF 1-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	18.97	6.08
For Medical Applications "Oxygen Clean", Add	1.41	
23 23 16 00-0023 LF 2-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	26.85	7.60
For Medical Applications "Oxygen Clean", Add	1.91	
23 23 16 00-0024 LF 2-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	40.28	11.45
For Medical Applications "Oxygen Clean", Add	2.88	
23 23 16 00-0025 LF 3-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	52.13	14.20
For Medical Applications "Oxygen Clean", Add	3.67	
23 23 16 00-0026 LF 3-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	65.61	16.82
For Medical Applications "Oxygen Clean", Add	4.55	
23 23 16 00-0027 LF 4-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	81.11	20.28
For Medical Applications "Oxygen Clean", Add	5.58	
23 23 16 00-0028 Refrigeration Fittings (23 23 16)		
23 23 16 00-0029 Brass Flare Fittings (23 23 16 00-0028)		
23 23 16 00-0030 Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0031 EA 3/8" Brass Flare Union	22.78	10.95
23 23 16 00-0032 EA 1/2" Brass Flare Union	22.78	10.95
23 23 16 00-0033 EA 5/8" Brass Flare Union	24.44	10.95
23 23 16 00-0034 90 Degree Elbow Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0035 EA 3/8" 90 Degree Brass Flare Elbow Union	23.79	10.95
23 23 16 00-0036 EA 1/2" 90 Degree Brass Flare Elbow Union	23.79	10.95
23 23 16 00-0037 EA 5/8" 90 Degree Brass Flare Elbow Union	29.33	10.95
23 23 16 00-0038 Brass Flare Tees (23 23 16 00-0029)		
23 23 16 00-0039 EA 3/8" Brass Flare Tee	36.83	18.24
23 23 16 00-0040 EA 1/2" Brass Flare Tee	39.30	18.24
23 23 16 00-0041 EA 5/8" Brass Flare Tee	52.76	18.24
23 23 16 00-0042 Male Connector, Half Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0043 EA 3/8" Brass Flare Male Connector, Half Union	18.24	10.95
23 23 16 00-0044 EA 1/2" Brass Flare Male Connector, Half Union	19.89	10.95
23 23 16 00-0045 EA 5/8" Brass Flare Male Connector, Half Union	22.25	10.95
23 23 16 00-0046 Female Connector, Half Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0047 EA 3/8" Brass Flare Female Connector, Half Union	20.36	10.95
23 23 16 00-0048 EA 1/2" Brass Flare Female Connector, Half Union	22.61	10.95
23 23 16 00-0049 EA 5/8" Brass Flare Female Connector, Half Union	22.61	10.95

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 23 Refrigerant Piping**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 23 16 00-0050		Long Forged Nuts (23 23 16 00-0029)			
23 23 16 00-0051	EA	3/8" Brass Long Forged Nut.....	19.24	10.95	
23 23 16 00-0052	EA	1/2" Brass Long Forged Nut.....	19.89	10.95	
23 23 16 00-0053	EA	5/8" Brass Long Forged Nut.....	27.08	10.95	
23 23 16 00-0054		Short Forged Nuts (23 23 16 00-0029)			
23 23 16 00-0055	EA	3/8" Brass Short Forged Nut.....	18.30	10.95	
23 23 16 00-0056	EA	1/2" Brass Short Forged Nut.....	19.80	10.95	
23 23 16 00-0057	EA	5/8" Brass Short Forged Nut.....	20.11	10.95	
23 23 16 00-0058		ACR Wrought Copper Fittings (23 23 16 00-0028)			
		Note: Soldered.			
23 23 16 00-0059		ACR Wrought Copper Coupling (23 23 16 00-0058)			
		Note: C x C			
23 23 16 00-0060	EA	1/4" ACR Wrought Copper Coupling.....	17.85	10.95	
23 23 16 00-0061	EA	3/8" ACR Wrought Copper Coupling.....	17.59	10.95	
23 23 16 00-0062	EA	1/2" ACR Wrought Copper Coupling.....	17.98	10.95	
23 23 16 00-0063	EA	5/8" ACR Wrought Copper Coupling.....	18.55	11.45	
23 23 16 00-0064	EA	3/4" ACR Wrought Copper Coupling.....	26.26	15.10	
23 23 16 00-0065	EA	7/8" ACR Wrought Copper Coupling.....	25.94	15.51	
23 23 16 00-0066	EA	1-1/8" ACR Wrought Copper Coupling.....	34.25	19.27	
23 23 16 00-0067	EA	1-3/8" ACR Wrought Copper Coupling.....	49.01	26.36	
23 23 16 00-0068	EA	1-5/8" ACR Wrought Copper Coupling.....	58.94	30.93	
23 23 16 00-0069	EA	2-1/8" ACR Wrought Copper Coupling.....	77.12	37.52	
23 23 16 00-0070	EA	2-5/8" ACR Wrought Copper Coupling.....	132.53	56.98	
23 23 16 00-0071	EA	3-1/8" ACR Wrought Copper Coupling.....	176.57	74.93	
23 23 16 00-0072	EA	4-1/8" ACR Wrought Copper Coupling.....	279.44	89.03	
23 23 16 00-0073		ACR Wrought Copper Short Radius 90 Degree Elbows (23 23 16 00-0058)			
		Note: C x C			
23 23 16 00-0074	EA	1/4" ACR Wrought Copper Short Radius 90 Degree Elbow.....	21.40	10.95	
23 23 16 00-0075	EA	3/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	21.67	10.95	
23 23 16 00-0076	EA	1/2" ACR Wrought Copper Short Radius 90 Degree Elbow.....	21.40	10.95	
23 23 16 00-0077	EA	5/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	23.17	11.45	
23 23 16 00-0078	EA	3/4" ACR Wrought Copper Short Radius 90 Degree Elbow.....	33.51	15.10	
23 23 16 00-0079	EA	7/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	33.98	15.51	
23 23 16 00-0080	EA	1-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	43.23	19.27	
23 23 16 00-0081	EA	1-3/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	54.20	26.36	
23 23 16 00-0082	EA	1-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	69.26	30.93	
23 23 16 00-0083	EA	2-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	97.83	37.52	
23 23 16 00-0084	EA	2-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	168.73	56.98	
23 23 16 00-0085	EA	3-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	217.08	74.93	
23 23 16 00-0086	EA	4-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	401.45	89.03	
23 23 16 00-0087		ACR Wrought Copper Long Radius 90 Degree Elbows (23 23 16 00-0058)			
		Note: C x C			
23 23 16 00-0088	EA	1/4" ACR Wrought Copper Long Radius 90 Degree Elbow.....	25.85	10.95	
23 23 16 00-0089	EA	3/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	23.50	10.95	
23 23 16 00-0090	EA	1/2" ACR Wrought Copper Long Radius 90 Degree Elbow.....	25.36	10.95	
23 23 16 00-0091	EA	5/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	25.31	11.45	
23 23 16 00-0092	EA	3/4" ACR Wrought Copper Long Radius 90 Degree Elbow.....	30.90	15.10	
23 23 16 00-0093	EA	7/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	33.70	15.51	
23 23 16 00-0094	EA	1-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	45.69	19.27	
23 23 16 00-0095	EA	1-3/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	66.86	26.36	
23 23 16 00-0096	EA	1-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	83.08	30.93	
23 23 16 00-0097	EA	2-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	152.68	37.52	
23 23 16 00-0098	EA	2-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	238.16	56.98	
23 23 16 00-0099	EA	3-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	314.63	74.93	
23 23 16 00-0100	EA	4-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	675.28	89.03	
23 23 16 00-0101		ACR Wrought Copper 45 Degree Elbow (23 23 16 00-0058)			
		Note: C x C			
23 23 16 00-0102	EA	1/4" ACR Wrought Copper 45 Degree Elbow.....	29.07	10.95	
23 23 16 00-0103	EA	3/8" ACR Wrought Copper 45 Degree Elbow.....	25.85	10.95	
23 23 16 00-0104	EA	1/2" ACR Wrought Copper 45 Degree Elbow.....	24.47	10.95	
23 23 16 00-0105	EA	5/8" ACR Wrought Copper 45 Degree Elbow.....	20.48	11.45	
23 23 16 00-0106	EA	3/4" ACR Wrought Copper 45 Degree Elbow.....	36.95	15.10	
23 23 16 00-0107	EA	7/8" ACR Wrought Copper 45 Degree Elbow.....	28.94	15.51	
23 23 16 00-0108	EA	1-1/8" ACR Wrought Copper 45 Degree Elbow.....	43.19	19.27	
23 23 16 00-0109	EA	1-3/8" ACR Wrought Copper 45 Degree Elbow.....	58.75	26.36	
23 23 16 00-0110	EA	1-5/8" ACR Wrought Copper 45 Degree Elbow.....	69.55	30.93	
23 23 16 00-0111	EA	2-1/8" ACR Wrought Copper 45 Degree Elbow.....	94.83	37.52	
23 23 16 00-0112	EA	2-5/8" ACR Wrought Copper 45 Degree Elbow.....	167.73	56.98	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Refrigerant Piping

23 23

23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0113	EA	3-1/8" ACR Wrought Copper 45 Degree Elbow	227.24	74.93
23 23 16 00-0114	EA	4-1/8" ACR Wrought Copper 45 Degree Elbow	378.20	89.03
23 23 16 00-0115 ACR Wrought Copper Tee (23 23 16 00-0058)				
Note: C x C x C				
23 23 16 00-0116	EA	1/4" ACR Wrought Copper Tee	37.46	18.24
23 23 16 00-0117	EA	3/8" ACR Wrought Copper Tee	38.03	18.24
23 23 16 00-0118	EA	1/2" ACR Wrought Copper Tee	35.93	18.24
23 23 16 00-0119	EA	5/8" ACR Wrought Copper Tee	37.46	23.02
23 23 16 00-0120	EA	3/4" ACR Wrought Copper Tee	53.97	23.02
23 23 16 00-0121	EA	7/8" ACR Wrought Copper Tee	42.28	23.32
23 23 16 00-0122	EA	1-1/8" ACR Wrought Copper Tee	69.04	30.93
23 23 16 00-0123	EA	1-3/8" ACR Wrought Copper Tee	86.80	37.52
23 23 16 00-0124	EA	1-5/8" ACR Wrought Copper Tee	113.92	44.51
23 23 16 00-0125	EA	2-1/8" ACR Wrought Copper Tee	162.57	59.31
23 23 16 00-0126	EA	2-5/8" ACR Wrought Copper Tee	342.63	129.48
23 23 16 00-0127	EA	3-1/8" ACR Wrought Copper Tee	426.59	142.36
23 23 16 00-0128	EA	4-1/8" ACR Wrought Copper Tee	753.01	158.18
23 23 16 00-0129 ACR Wrought Copper Male Adapter (23 23 16 00-0058)				
Note: C x M				
23 23 16 00-0130	EA	1/4" ACR Wrought Copper Male Adapter	32.28	10.95
23 23 16 00-0131	EA	3/8" ACR Wrought Copper Male Adapter	37.44	10.95
23 23 16 00-0132	EA	1/2" ACR Wrought Copper Male Adapter	28.87	10.95
23 23 16 00-0133 ACR Wrought Copper Female Adapter (23 23 16 00-0058)				
Note: C x F				
23 23 16 00-0134	EA	1/4" ACR Wrought Copper Female Adapter	30.25	10.95
23 23 16 00-0135	EA	3/8" ACR Wrought Copper Female Adapter	27.29	10.95
23 23 16 00-0136	EA	1/2" ACR Wrought Copper Female Adapter	28.41	10.95
23 23 16 00-0137 ACR Wrought Copper Cap (23 23 16 00-0058)				
Note: C				
23 23 16 00-0138	EA	1/4" ACR Wrought Copper Cap	13.39	7.30
23 23 16 00-0139	EA	3/8" ACR Wrought Copper Cap	12.45	7.30
23 23 16 00-0140	EA	1/2" ACR Wrought Copper Cap	13.36	7.30
23 23 16 00-0141 ACR Wrought Copper P-Trap (23 23 16 00-0058)				
23 23 16 00-0142	EA	5/8" ACR Wrought Copper P-Trap	88.20	9.34
23 23 16 00-0143	EA	3/4" ACR Wrought Copper P-Trap	120.52	10.27
23 23 16 00-0144	EA	7/8" ACR Wrought Copper P-Trap	104.13	10.27
23 23 16 00-0145	EA	1-1/8" ACR Wrought Copper P-Trap	142.54	11.21
23 23 16 00-0146	EA	1-3/8" ACR Wrought Copper P-Trap	248.05	11.21
23 23 16 00-0147	EA	1-5/8" ACR Wrought Copper P-Trap	351.48	12.14
23 23 16 00-0148	EA	2-1/8" ACR Wrought Copper P-Trap	640.53	13.08
23 23 16 00-0149 Sight Glass With Moisture And Liquid Indicator, Solder Connection (23 23 16)				
23 23 16 00-0150	EA	1/4" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	46.02	14.01
23 23 16 00-0151	EA	3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	55.65	16.81
23 23 16 00-0152	EA	1/2" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	66.94	20.54
23 23 16 00-0153	EA	5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	74.10	23.35
23 23 16 00-0154	EA	7/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	98.84	29.89
23 23 16 00-0155	EA	1-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	115.36	36.43
23 23 16 00-0156	EA	1-3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	171.85	42.97
23 23 16 00-0157	EA	1-5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	214.79	58.84
23 23 16 00-0158	EA	2-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	264.30	72.85
23 23 16 00-0159 Filter Driers, Solder Connections (23 23 16)				
23 23 16 00-0160 Replaceable Core Type Filter Driers, Solder Connections (23 23 16 00-0159)				
23 23 16 00-0161	EA	5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	369.97	8.41
23 23 16 00-0162	EA	7/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	379.91	10.27
23 23 16 00-0163	EA	1-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	486.95	10.27
23 23 16 00-0164	EA	1-3/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	493.00	11.21
23 23 16 00-0165	EA	1-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	555.55	12.14
23 23 16 00-0166	EA	2-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	637.34	13.08
23 23 16 00-0167	EA	2-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	747.13	14.01
23 23 16 00-0168	EA	3-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	932.88	14.01
23 23 16 00-0169 Sealed In-Line Filter Driers, Solder Connections (23 23 16 00-0159)				
23 23 16 00-0170	EA	1/4" Outside Diameter, 1/4 To 1 Ton, Sealed In-Line Filter Drier, Solder Connections	71.11	8.41
23 23 16 00-0171	EA	3/8" Outside Diameter, 1/2 To 2 Ton, Sealed In-Line Filter Drier, Solder Connections	90.89	8.41
23 23 16 00-0172	EA	1/2" Outside Diameter, 1 To 7 Ton, Sealed In-Line Filter Drier, Solder Connections	115.52	9.34

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 23 Refrigerant Piping**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0173	EA	1/2" Outside Diameter, 2 To 7-1/2 Ton, Sealed In-Line Filter Drier, Solder Connections.....	132.62	9.34
23 23 16 00-0174	EA	5/8" Outside Diameter, 2 To 10 Ton, Sealed In-Line Filter Drier, Solder Connections.....	146.53	9.34
23 23 16 00-0175	EA	5/8" Outside Diameter, 4 To 8 Ton, Sealed In-Line Filter Drier, Solder Connections.....	164.61	9.34
23 23 16 00-0176	EA	7/8" Outside Diameter, 5 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections.....	185.78	10.27
23 23 16 00-0177	EA	7/8" Outside Diameter, 7-1/2 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections.....	257.48	10.27
23 23 16 00-0178	EA	1-1/8" Outside Diameter, 15 To 25 Ton, Sealed In-Line Filter Drier, Solder Connections.....	282.88	10.27
23 23 16 00-0179		Bi-Flow Filter Driers, Solder Connections (23 23 16 00-0159)		
23 23 16 00-0180	EA	1/4" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections.....	93.56	8.41
23 23 16 00-0181	EA	3/8" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections.....	106.87	8.41
23 23 16 00-0182	EA	1/2" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections.....	128.59	9.34
23 23 16 00-0183	EA	3/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	113.21	8.41
23 23 16 00-0184	EA	1/2" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	141.66	9.34
23 23 16 00-0185	EA	5/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	166.86	9.34
23 23 16 00-0186		Refrigerant Compressor Discharge Mufflers (23 23 16)		
23 23 16 00-0187	EA	3/8" Outside Diameter, 2 Ton, Refrigerant Compressor Discharge Muffler.....	87.54	8.41
23 23 16 00-0188	EA	1/2" Outside Diameter, 3 Ton, Refrigerant Compressor Discharge Muffler.....	96.78	8.41
23 23 16 00-0189	EA	5/8" Outside Diameter, 5 Ton, Refrigerant Compressor Discharge Muffler.....	116.22	8.41
23 23 16 00-0190	EA	7/8" Outside Diameter, 7-1/2 To 10 Ton, Refrigerant Compressor Discharge Muffler.....	156.55	10.27
23 23 16 00-0191	EA	1-1/8" Outside Diameter, 10 To 15 Ton, Refrigerant Compressor Discharge Muffler.....	205.14	10.27
23 23 16 00-0192	EA	1-3/8" Outside Diameter, 15 To 25 Ton, Refrigerant Compressor Discharge Muffler.....	244.20	11.21
23 23 16 00-0193	EA	1-5/8" Outside Diameter, 25 To 50 Ton, Refrigerant Compressor Discharge Muffler.....	308.63	12.14
23 23 16 00-0194	EA	2-1/8" Outside Diameter, 50 To 75 Ton, Refrigerant Compressor Discharge Muffler.....	538.08	13.08
23 23 16 00-0195	EA	2-5/8" Outside Diameter, 75 To 100 Ton, Refrigerant Compressor Discharge Muffler.....	608.05	14.01
23 23 16 00-0196	EA	3-1/8" Outside Diameter, 100 To 125 Ton, Refrigerant Compressor Discharge Muffler.....	753.70	14.01
23 23 16 00-0197		Expansion Valves And Vibration Absorbers (23 23 16)		
23 23 16 00-0198		Thermostatic Expansion Valves (23 23 16 00-0197)		
Note: Outside diameter pipe sizes. Sporlan TP-S.				
23 23 16 00-0199	EA	3/8" In x 5/8" Out, 1/2 To 3 Ton, Thermostatic Expansion Valve.....	173.56	8.41
23 23 16 00-0200	EA	1/2" In x 7/8" Out, 4 To 5 Ton, Thermostatic Expansion Valve.....	241.33	9.34
23 23 16 00-0201	EA	5/8" In x 7/8" Out, 6 To 8 Ton, Thermostatic Expansion Valve.....	399.87	9.34
23 23 16 00-0202	EA	7/8" In x 1-1/8" Out, 7 To 12 Ton, Thermostatic Expansion Valve.....	474.58	10.27
23 23 16 00-0203	EA	7/8" In x 1-3/8" Out, 15 To 20 Ton, Thermostatic Expansion Valve.....	521.28	10.27
23 23 16 00-0204		Electric Expansion Valves (23 23 16 00-0197)		
Note: Sporlan SEI or SEH.				
23 23 16 00-0205	EA	1/2 To 11 Ton Electric Expansion Valve.....	534.39	11.67
Note: Sporlan SEI.				
23 23 16 00-0206	EA	25 Ton Electric Expansion Valve.....	620.11	12.14
Note: Sporlan SEI.				
23 23 16 00-0207	EA	50 Ton Electric Expansion Valve.....	706.30	12.61
Note: Sporlan SEI.				
23 23 16 00-0208	EA	100 Ton Electric Expansion Valve.....	827.56	12.61
Note: Sporlan SEH.				
23 23 16 00-0209	EA	175 Ton Electric Expansion Valve.....	932.63	13.08
Note: Sporlan SEH.				
23 23 16 00-0210		Braided Stainless Steel Over Copper Vibration Absorber (23 23 16 00-0197)		
23 23 16 00-0211	EA	1/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	46.26	12.14
23 23 16 00-0212	EA	3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	48.00	14.01
23 23 16 00-0213	EA	1/2" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	61.73	17.75
23 23 16 00-0214	EA	5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	67.47	21.48
23 23 16 00-0215	EA	3/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	79.95	26.15
23 23 16 00-0216	EA	7/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	92.11	29.89
23 23 16 00-0217	EA	1-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	131.31	11.21
23 23 16 00-0218	EA	1-3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	181.08	12.14
23 23 16 00-0219	EA	1-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	223.37	12.14
23 23 16 00-0220	EA	2-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	299.07	13.08
23 23 16 00-0221	EA	2-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	499.67	14.01
23 23 16 00-0222	EA	3-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	652.00	14.01
23 23 16 00-0223		Accumulator, Refrigerant Suction Line (23 23 16)		
23 23 16 00-0224	EA	3/4" Accumulator, Refrigeration Suction Line.....	149.94	42.49
23 23 16 00-0225	EA	7/8" Accumulator, Refrigeration Suction Line.....	203.62	58.37
23 23 16 00-0226	EA	1-1/8" Accumulator, Refrigeration Suction Line.....	246.58	77.80
23 23 16 00-0227	EA	1 3/8" Accumulator, Refrigeration Suction Line.....	339.99	93.40
23 23 16 00-0228	EA	1-5/8" Accumulator, Refrigeration Suction Line.....	463.10	116.75
23 23 16 00-0229	EA	2-1/8" Accumulator, Refrigeration Suction Line.....	694.22	155.70
23 23 16 00-0230		Special Chemicals/Component (23 23 16)		
23 23 16 00-0231	GAL	Special Chemical, Inhibited Propylene Glycol, 100%.....	26.94	



Heating, Ventilating, and Air-Conditioning (HVAC)		23	23
HVAC Piping and Pumps		23 20	
Refrigerant Piping		23 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 23 16 00-0232	GAL	Removal And Storage For Reuse Of Inhibited Propylene Glycol	7.24	
23 23 16 00-0233	GAL	Special Chemical, Inhibited Ethylene Glycol, 100%	18.51	
23 23 16 00-0234	EA	Internal Coil/Refrigerant Piping Flush	246.57	
Note: Up to 10 ton AC system.				

23 23 23 Refrigerants (23 23)

23 23 23 00-0001	Refrigerant (23 23 23)			
23 23 23 00-0002	LB	R-113 Refrigerant	24.82	
23 23 23 00-0003	LB	R-123 Refrigerant	18.21	
23 23 23 00-0004	LB	R-134A Refrigerant	6.49	
23 23 23 00-0005	LB	R-404A Refrigerant	11.61	
23 23 23 00-0006	LB	R-407C Refrigerant	11.49	
23 23 23 00-0007	LB	R-408A Refrigerant	26.19	
23 23 23 00-0008	LB	R-410A Refrigerant	11.26	
23 23 23 00-0009	LB	R-500 Refrigerant	22.25	
23 23 23 00-0010	LB	R-507 Refrigerant	7.16	

23 25 HVAC Water Treatment (23 20)

23 25 13 Water Treatment for Closed-Loop Hydronic Systems (23 25)

23 25 13 00-0001	Polyethylene Chemical Storage Tanks (23 25 13)			
23 25 13 00-0002	EA	15 Gallon Chemical Storage Tank, Polyethylene	248.64	77.97
23 25 13 00-0003	Gas Chlorinator (23 25 13)			
23 25 13 00-0004	EA	Gas Chlorinator, Wall Or Cylinder Mounted (10 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,059.61	354.71
		For Booster Pump, Add	403.70	
23 25 13 00-0005	EA	Gas Chlorinator, Wall Or Cylinder Mounted (25 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,210.50	405.39
		For Booster Pump, Add	461.44	
23 25 13 00-0006	EA	Gas Chlorinator, Wall Or Cylinder Mounted (50 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,694.46	307.08
		For Booster Pump, Add	568.91	
23 25 13 00-0007	Bypass Shot Feeders (23 25 13)			
	Note: Includes up to 4 ports (in, out, fill and drain). Excludes valves.			
23 25 13 00-0008	In Line Mount, 125 PSIG (23 25 13 00-0007)			
23 25 13 00-0009	EA	1.7 Gallon Bypass Shot Chemical Feeder In Line Mount, 125 PSIG	946.60	264.31
23 25 13 00-0010	Floor Mount, 175 PSIG (23 25 13 00-0007)			
23 25 13 00-0011	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG	1,389.19	397.87
23 25 13 00-0012	EA	12 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG	1,830.75	526.76
23 25 13 00-0013	Floor Mount, 150 LB ASME Code (23 25 13 00-0007)			
23 25 13 00-0014	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code	1,389.19	397.87
23 25 13 00-0015	EA	10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code	1,830.75	526.76
23 25 13 00-0016	Floor Mount, 300 LB ASME Code (23 25 13 00-0007)			
23 25 13 00-0017	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code	1,773.90	397.87
23 25 13 00-0018	EA	10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code	2,230.22	526.76

23 30 HVAC Air Distribution (23)

23 31 HVAC Ducts and Casings (23 30)

Note: Excludes angle iron, threaded rod, anchor bolts or other external supporting devices other than normal sheet metal straps. See CSI section 05 12 23 00-0409 for angle iron, 23 05 29 00-0001 for threaded rod.

23 31 13 Metal Ducts (23 31)

23 31 13 13 Rectangular Metal Ducts (23 31 13)

23 31 13 13-0001	Steel Sheet Metal Duct (23 31 13 13)
Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer.	

23 31 13 13-0002 Galvanized Steel Sheet Metal Ductwork (23 31 13 13-0001)

Note: SMACNA weight for galvanized steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.906 LB/SF; 24 gauge - 1.156 LB/SF; 22 gauge - 1.406 LB/SF; 20 gauge - 1.656 LB/SF; 18 gauge - 2.156 LB/SF; 16 gauge - 2.656 LB/SF

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0003	LB	2" WG And Less (Class C), Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork	.....	9.92	2.64
		For Polyvinyl Chloride (PVC) Coated, Add	.....	0.36	
		For Up To 200, Add	.....	3.52	
		For >200 To 500, Add	.....	2.24	
		For >500 To 1,000, Add	.....	1.52	
		For >1,000 To 2,000, Add	.....	0.85	
		For >2,000 To 5,000, Add	.....	0.38	
		For Work In Restricted Working Space, Add	.....	2.43	
		For Elevated Installation >10' To 15', Add	.....	0.49	
		For Elevated Installation >15' To 20', Add	.....	0.97	
		For Elevated Installation >20' To 25', Add	.....	1.22	
		For Elevated Installation >25' To 30', Add	.....	1.70	
		For Elevated Installation >30' To 35', Add	.....	1.95	
		For Elevated Installation >35' To 40', Add	.....	2.43	
		For Elevated Installation >40', Add	.....	2.68	
23 31 13 13-0004	LB	3" WG (Class B), Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork	.....	11.14	2.64
		For Polyvinyl Chloride (PVC) Coated, Add	.....	0.36	
		For Up To 200, Add	.....	3.89	
		For >200 To 500, Add	.....	2.46	
		For >500 To 1,000, Add	.....	1.69	
		For >1,000 To 2,000, Add	.....	0.95	
		For >2,000 To 5,000, Add	.....	0.43	
		For Work In Restricted Working Space, Add	.....	2.80	
		For Elevated Installation >10' To 15', Add	.....	0.56	
		For Elevated Installation >15' To 20', Add	.....	1.12	
		For Elevated Installation >20' To 25', Add	.....	1.40	
		For Elevated Installation >25' To 30', Add	.....	1.96	
		For Elevated Installation >30' To 35', Add	.....	2.24	
		For Elevated Installation >35' To 40', Add	.....	2.80	
		For Elevated Installation >40', Add	.....	3.08	
23 31 13 13-0005	LB	4" Or 6" WG (Class A), Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork	.....	13.17	2.64
		For Polyvinyl Chloride (PVC) Coated, Add	.....	0.36	
		For Up To 200, Add	.....	4.49	
		For >200 To 500, Add	.....	2.82	
		For >500 To 1,000, Add	.....	1.97	
		For >1,000 To 2,000, Add	.....	1.11	
		For >2,000 To 5,000, Add	.....	0.51	
		For Work In Restricted Working Space, Add	.....	3.41	
		For Elevated Installation >10' To 15', Add	.....	0.68	
		For Elevated Installation >15' To 20', Add	.....	1.36	
		For Elevated Installation >20' To 25', Add	.....	1.70	
		For Elevated Installation >25' To 30', Add	.....	2.39	
		For Elevated Installation >30' To 35', Add	.....	2.73	
		For Elevated Installation >35' To 40', Add	.....	3.41	
		For Elevated Installation >40', Add	.....	3.75	
23 31 13 13-0006		Alloy 3003-H14, Aluminum Sheet Metal Ductwork <small>(23 31 13 13-0001)</small>			
		Note: SMACNA weight for aluminum ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.224 LB/SF; 24 gauge - 0.282 LB/SF; 22 gauge - 0.352 LB/SF; 20 gauge - 0.451 LB/SF; 18 gauge - 0.563 LB/SF; 16 gauge - 0.718 LB/SF; 14 gauge - 0.901 LB/SF; 12 gauge - 0.141 LB/SF			
23 31 13 13-0007	LB	2" WG And Less (Class C), Alloy 3003-H14, Aluminum Sheet Metal Ductwork	.....	19.13	2.64
		For Work In Restricted Working Space, Add	.....	4.81	
		For Up To 200, Add	.....	6.67	
		For >200 To 500, Add	.....	4.22	
		For >500 To 1,000, Add	.....	2.89	
		For >1,000 To 2,000, Add	.....	1.62	
		For >2,000 To 5,000, Add	.....	0.73	
		For Elevated Installation >10' To 15', Add	.....	0.96	
		For Elevated Installation >15' To 20', Add	.....	1.92	
		For Elevated Installation >20' To 25', Add	.....	2.41	
		For Elevated Installation >25' To 30', Add	.....	3.37	
		For Elevated Installation >30' To 35', Add	.....	3.85	
		For Elevated Installation >35' To 40', Add	.....	4.81	
		For Elevated Installation >40', Add	.....	5.29	
23 31 13 13-0008	LB	3" WG (Class B), Alloy 3003-H14, Aluminum Sheet Metal Ductwork	.....	21.53	2.64
		For Work In Restricted Working Space, Add	.....	5.53	
		For Up To 200, Add	.....	7.39	
		For >200 To 500, Add	.....	4.65	
		For >500 To 1,000, Add	.....	3.23	
		For >1,000 To 2,000, Add	.....	1.82	
		For >2,000 To 5,000, Add	.....	0.83	
		For Elevated Installation >10' To 15', Add	.....	1.11	
		For Elevated Installation >15' To 20', Add	.....	2.21	
		For Elevated Installation >20' To 25', Add	.....	2.77	
		For Elevated Installation >25' To 30', Add	.....	3.87	
		For Elevated Installation >30' To 35', Add	.....	4.43	
		For Elevated Installation >35' To 40', Add	.....	5.53	
		For Elevated Installation >40', Add	.....	6.09	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
HVAC Ducts and Casings			23 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0009	LB		4" Or 6" WG (Class A), Alloy 3003-H14, Aluminum Sheet Metal Ductwork For Work In Restricted Working Space, Add For Up To 200, Add For >200 To 500, Add For >500 To 1,000, Add For >1,000 To 2,000, Add For >2,000 To 5,000, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	25.54 6.74 8.59 5.37 3.79 2.14 0.99 1.35 2.69 3.37 4.71 5.39 6.74 7.41	2.64
23 31 13 13-0010			Type 304, Stainless Steel Sheet Metal Ductwork (23 31 13 13-0001) Note: SMACNA weight for stainless steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.748 LB/SF; 24 gauge - 0.987 LB/SF; 22 gauge - 1.231 LB/SF; 20 gauge - 1.491 LB/SF; 18 gauge - 2.016 LB/SF; 16 gauge - 2.499 LB/SF; 14 gauge - 3.154 LB/SF; 12 gauge - 4.427 LB/SF		
23 31 13 13-0011	LB		2" WG And Less (Class C), Type 304, Stainless Steel Sheet Metal Ductwork For Work In Restricted Working Space, Add For Welded Seams, Add For Up To 200, Add For >200 To 500, Add For >500 To 1,000, Add For >1,000 To 2,000, Add For >2,000 To 5,000, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	13.88 2.96 5.13 5.37 3.50 2.22 1.23 0.52 0.59 1.18 1.48 2.07 2.37 2.96 3.25	3.51
23 31 13 13-0012	LB		3" WG (Class B), Type 304, Stainless Steel Sheet Metal Ductwork For Work In Restricted Working Space, Add For Welded Seams, Add For Up To 200, Add For >200 To 500, Add For >500 To 1,000, Add For >1,000 To 2,000, Add For >2,000 To 5,000, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	15.91 3.57 6.15 5.98 3.87 2.51 1.39 0.60 0.71 1.43 1.78 2.50 2.85 3.57 3.92	3.51
23 31 13 13-0013	LB		4" Or 6" WG (Class A), Type 304, Stainless Steel Sheet Metal Ductwork For Work In Restricted Working Space, Add For Welded Seams, Add For Up To 200, Add For >200 To 500, Add For >500 To 1,000, Add For >1,000 To 2,000, Add For >2,000 To 5,000, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	17.81 4.14 7.10 6.55 4.21 2.77 1.55 0.67 0.83 1.65 2.07 2.90 3.31 4.14 4.55	3.51
23 31 13 13-0014			Galvanized Steel Sheet Metal Ductwork By LF (23 31 13 13-0001) Note: Ductwork includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed. For fittings add the following equivalent lengths: 0.75' for duct end cap; 1.5' for tap-in; 2.5' for 45 degree elbows; 3' for 90 degree elbows, transition, taper, register box; 4' for 45 degree reducing elbow, offset, turning vanes installed in elbows; 5' for 90 degree reducing elbow, 135 degree angle gooseneck, boots; and 6' for transition/reducer.		
23 31 13 13-0015			30 Gauge Galvanized Steel Metal Ductwork (23 31 13 13-0014)		
23 31 13 13-0016	LF		4" x 4", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	10.29 1.36 2.89 4.16 2.71	5.41
23 31 13 13-0017	LF		4" x 6", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	12.85 1.69 3.61 5.19 3.39	6.77

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0018	LF	4" x 8", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	15.43	8.13
		For 3" WG (Class B), Add	2.03	
		For 4" Or 6" WG (Class A), Add	4.34	
		For 10" WG (Class A), Add	6.23	
		For Work In Restricted Working Space, Add	4.07	
23 31 13 13-0019	LF	4" x 10", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	17.99	9.48
		For 3" WG (Class B), Add	2.37	
		For 4" Or 6" WG (Class A), Add	5.06	
		For 10" WG (Class A), Add	7.27	
		For Work In Restricted Working Space, Add	4.74	
23 31 13 13-0020	LF	4" x 12", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	20.58	10.84
		For 3" WG (Class B), Add	2.71	
		For 4" Or 6" WG (Class A), Add	5.78	
		For 10" WG (Class A), Add	8.31	
		For Work In Restricted Working Space, Add	5.42	
23 31 13 13-0021	LF	4" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	23.13	12.20
		For 3" WG (Class B), Add	3.05	
		For 4" Or 6" WG (Class A), Add	6.50	
		For 10" WG (Class A), Add	9.35	
		For Work In Restricted Working Space, Add	6.10	
23 31 13 13-0022	LF	4" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	25.70	13.55
		For 3" WG (Class B), Add	3.39	
		For 4" Or 6" WG (Class A), Add	7.23	
		For 10" WG (Class A), Add	10.39	
		For Work In Restricted Working Space, Add	6.77	
23 31 13 13-0023	LF	6" x 6", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	15.43	8.13
		For 3" WG (Class B), Add	2.03	
		For 4" Or 6" WG (Class A), Add	4.34	
		For 10" WG (Class A), Add	6.23	
		For Work In Restricted Working Space, Add	4.07	
23 31 13 13-0024	LF	6" x 8", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	17.99	9.48
		For 3" WG (Class B), Add	2.37	
		For 4" Or 6" WG (Class A), Add	5.06	
		For 10" WG (Class A), Add	7.27	
		For Work In Restricted Working Space, Add	4.74	
23 31 13 13-0025	LF	6" x 10", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	20.58	10.84
		For 3" WG (Class B), Add	2.71	
		For 4" Or 6" WG (Class A), Add	5.78	
		For 10" WG (Class A), Add	8.31	
		For Work In Restricted Working Space, Add	5.42	
23 31 13 13-0026	LF	6" x 12", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	23.13	12.20
		For 3" WG (Class B), Add	3.05	
		For 4" Or 6" WG (Class A), Add	6.50	
		For 10" WG (Class A), Add	9.35	
		For Work In Restricted Working Space, Add	6.10	
23 31 13 13-0027	LF	6" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	25.70	13.55
		For 3" WG (Class B), Add	3.39	
		For 4" Or 6" WG (Class A), Add	7.23	
		For 10" WG (Class A), Add	10.39	
		For Work In Restricted Working Space, Add	6.77	
23 31 13 13-0028	LF	6" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	28.28	14.91
		For 3" WG (Class B), Add	3.73	
		For 4" Or 6" WG (Class A), Add	7.95	
		For 10" WG (Class A), Add	11.43	
		For Work In Restricted Working Space, Add	7.45	
23 31 13 13-0029	LF	8" x 8", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	20.58	10.84
		For 3" WG (Class B), Add	2.71	
		For 4" Or 6" WG (Class A), Add	5.78	
		For 10" WG (Class A), Add	8.31	
		For Work In Restricted Working Space, Add	5.42	
23 31 13 13-0030	LF	8" x 10", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	23.13	12.20
		For 3" WG (Class B), Add	3.05	
		For 4" Or 6" WG (Class A), Add	6.50	
		For 10" WG (Class A), Add	9.35	
		For Work In Restricted Working Space, Add	6.10	
23 31 13 13-0031	LF	8" x 12", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	25.70	13.55
		For 3" WG (Class B), Add	3.39	
		For 4" Or 6" WG (Class A), Add	7.23	
		For 10" WG (Class A), Add	10.39	
		For Work In Restricted Working Space, Add	6.77	
23 31 13 13-0032	LF	8" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	28.28	14.91
		For 3" WG (Class B), Add	3.73	
		For 4" Or 6" WG (Class A), Add	7.95	
		For 10" WG (Class A), Add	11.43	
		For Work In Restricted Working Space, Add	7.45	
23 31 13 13-0033	LF	8" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	30.84	16.25
		For 3" WG (Class B), Add	4.06	
		For 4" Or 6" WG (Class A), Add	8.67	
		For 10" WG (Class A), Add	12.46	
		For Work In Restricted Working Space, Add	8.13	
23 31 13 13-0034	LF	8" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	33.43	17.61
		For 3" WG (Class B), Add	4.40	
		For 4" Or 6" WG (Class A), Add	9.40	
		For 10" WG (Class A), Add	13.51	
		For Work In Restricted Working Space, Add	8.81	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Air Distribution			23 30	
HVAC Ducts and Casings			23 31	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 31 13 13-0035	LF	8" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	35.99		18.97
		For 3" WG (Class B), Add	4.74		
		For 4" Or 6" WG (Class A), Add	10.12		
		For 10" WG (Class A), Add	14.54		
		For Work In Restricted Working Space, Add	9.48		
23 31 13 13-0036	LF	8" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	38.57		20.32
		For 3" WG (Class B), Add	5.08		
		For 4" Or 6" WG (Class A), Add	10.84		
		For 10" WG (Class A), Add	15.58		
		For Work In Restricted Working Space, Add	10.16		
23 31 13 13-0037	LF	8" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	41.12		21.68
		For 3" WG (Class B), Add	5.42		
		For 4" Or 6" WG (Class A), Add	11.56		
		For 10" WG (Class A), Add	16.62		
		For Work In Restricted Working Space, Add	10.84		
23 31 13 13-0038	LF	10" x 10", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	25.70		13.55
		For 3" WG (Class B), Add	3.39		
		For 4" Or 6" WG (Class A), Add	7.23		
		For 10" WG (Class A), Add	10.39		
		For Work In Restricted Working Space, Add	6.77		
23 31 13 13-0039	LF	10" x 12", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	28.28		14.91
		For 3" WG (Class B), Add	3.73		
		For 4" Or 6" WG (Class A), Add	7.95		
		For 10" WG (Class A), Add	11.43		
		For Work In Restricted Working Space, Add	7.45		
23 31 13 13-0040	LF	10" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	30.84		16.25
		For 3" WG (Class B), Add	4.06		
		For 4" Or 6" WG (Class A), Add	8.67		
		For 10" WG (Class A), Add	12.46		
		For Work In Restricted Working Space, Add	8.13		
23 31 13 13-0041	LF	10" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	33.43		17.61
		For 3" WG (Class B), Add	4.40		
		For 4" Or 6" WG (Class A), Add	9.40		
		For 10" WG (Class A), Add	13.51		
		For Work In Restricted Working Space, Add	8.81		
23 31 13 13-0042	LF	10" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	35.99		18.97
		For 3" WG (Class B), Add	4.74		
		For 4" Or 6" WG (Class A), Add	10.12		
		For 10" WG (Class A), Add	14.54		
		For Work In Restricted Working Space, Add	9.48		
23 31 13 13-0043	LF	10" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	38.57		20.32
		For 3" WG (Class B), Add	5.08		
		For 4" Or 6" WG (Class A), Add	10.84		
		For 10" WG (Class A), Add	15.58		
		For Work In Restricted Working Space, Add	10.16		
23 31 13 13-0044	LF	10" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	41.12		21.68
		For 3" WG (Class B), Add	5.42		
		For 4" Or 6" WG (Class A), Add	11.56		
		For 10" WG (Class A), Add	16.62		
		For Work In Restricted Working Space, Add	10.84		
23 31 13 13-0045	LF	10" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	43.70		23.03
		For 3" WG (Class B), Add	5.76		
		For 4" Or 6" WG (Class A), Add	12.28		
		For 10" WG (Class A), Add	17.65		
		For Work In Restricted Working Space, Add	11.51		
23 31 13 13-0046	LF	12" x 12", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	30.84		16.25
		For 3" WG (Class B), Add	4.06		
		For 4" Or 6" WG (Class A), Add	8.67		
		For 10" WG (Class A), Add	12.46		
		For Work In Restricted Working Space, Add	8.13		
23 31 13 13-0047	LF	12" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	33.43		17.61
		For 3" WG (Class B), Add	4.40		
		For 4" Or 6" WG (Class A), Add	9.40		
		For 10" WG (Class A), Add	13.51		
		For Work In Restricted Working Space, Add	8.81		
23 31 13 13-0048	LF	12" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	35.99		18.97
		For 3" WG (Class B), Add	4.74		
		For 4" Or 6" WG (Class A), Add	10.12		
		For 10" WG (Class A), Add	14.54		
		For Work In Restricted Working Space, Add	9.48		
23 31 13 13-0049	LF	12" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	38.57		20.32
		For 3" WG (Class B), Add	5.08		
		For 4" Or 6" WG (Class A), Add	10.84		
		For 10" WG (Class A), Add	15.58		
		For Work In Restricted Working Space, Add	10.16		
23 31 13 13-0050	LF	12" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	41.12		21.68
		For 3" WG (Class B), Add	5.42		
		For 4" Or 6" WG (Class A), Add	11.56		
		For 10" WG (Class A), Add	16.62		
		For Work In Restricted Working Space, Add	10.84		
23 31 13 13-0051	LF	12" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	43.70		23.03
		For 3" WG (Class B), Add	5.76		
		For 4" Or 6" WG (Class A), Add	12.28		
		For 10" WG (Class A), Add	17.65		
		For Work In Restricted Working Space, Add	11.51		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0052	LF	12" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	46.28	24.39
		For 3" WG (Class B), Add	6.10	
		For 4" Or 6" WG (Class A), Add	13.01	
		For 10" WG (Class A), Add	18.70	
		For Work In Restricted Working Space, Add	12.20	
23 31 13 13-0053	LF	14" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	35.99	18.97
		For 3" WG (Class B), Add	4.74	
		For 4" Or 6" WG (Class A), Add	10.12	
		For 10" WG (Class A), Add	14.54	
		For Work In Restricted Working Space, Add	9.48	
23 31 13 13-0054	LF	14" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	38.57	20.32
		For 3" WG (Class B), Add	5.08	
		For 4" Or 6" WG (Class A), Add	10.84	
		For 10" WG (Class A), Add	15.58	
		For Work In Restricted Working Space, Add	10.16	
23 31 13 13-0055	LF	14" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	41.12	21.68
		For 3" WG (Class B), Add	5.42	
		For 4" Or 6" WG (Class A), Add	11.56	
		For 10" WG (Class A), Add	16.62	
		For Work In Restricted Working Space, Add	10.84	
23 31 13 13-0056	LF	14" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	43.70	23.03
		For 3" WG (Class B), Add	5.76	
		For 4" Or 6" WG (Class A), Add	12.28	
		For 10" WG (Class A), Add	17.65	
		For Work In Restricted Working Space, Add	11.51	
23 31 13 13-0057	LF	14" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	46.28	24.39
		For 3" WG (Class B), Add	6.10	
		For 4" Or 6" WG (Class A), Add	13.01	
		For 10" WG (Class A), Add	18.70	
		For Work In Restricted Working Space, Add	12.20	
23 31 13 13-0058	LF	14" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	48.85	25.74
		For 3" WG (Class B), Add	6.44	
		For 4" Or 6" WG (Class A), Add	13.73	
		For 10" WG (Class A), Add	19.73	
		For Work In Restricted Working Space, Add	12.87	
23 31 13 13-0059	LF	16" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	41.12	21.68
		For 3" WG (Class B), Add	5.42	
		For 4" Or 6" WG (Class A), Add	11.56	
		For 10" WG (Class A), Add	16.62	
		For Work In Restricted Working Space, Add	10.84	
23 31 13 13-0060	LF	16" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	43.70	23.03
		For 3" WG (Class B), Add	5.76	
		For 4" Or 6" WG (Class A), Add	12.28	
		For 10" WG (Class A), Add	17.65	
		For Work In Restricted Working Space, Add	11.51	
23 31 13 13-0061	LF	16" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	46.28	24.39
		For 3" WG (Class B), Add	6.10	
		For 4" Or 6" WG (Class A), Add	13.01	
		For 10" WG (Class A), Add	18.70	
		For Work In Restricted Working Space, Add	12.20	
23 31 13 13-0062	LF	16" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	48.85	25.74
		For 3" WG (Class B), Add	6.44	
		For 4" Or 6" WG (Class A), Add	13.73	
		For 10" WG (Class A), Add	19.73	
		For Work In Restricted Working Space, Add	12.87	
23 31 13 13-0063	LF	16" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	51.42	27.09
		For 3" WG (Class B), Add	6.77	
		For 4" Or 6" WG (Class A), Add	14.45	
		For 10" WG (Class A), Add	20.77	
		For Work In Restricted Working Space, Add	13.55	
23 31 13 13-0064	LF	18" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	46.28	24.39
		For 3" WG (Class B), Add	6.10	
		For 4" Or 6" WG (Class A), Add	13.01	
		For 10" WG (Class A), Add	18.70	
		For Work In Restricted Working Space, Add	12.20	
23 31 13 13-0065	LF	18" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	48.85	25.74
		For 3" WG (Class B), Add	6.44	
		For 4" Or 6" WG (Class A), Add	13.73	
		For 10" WG (Class A), Add	19.73	
		For Work In Restricted Working Space, Add	12.87	
23 31 13 13-0066	LF	18" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	51.42	27.09
		For 3" WG (Class B), Add	6.77	
		For 4" Or 6" WG (Class A), Add	14.45	
		For 10" WG (Class A), Add	20.77	
		For Work In Restricted Working Space, Add	13.55	
23 31 13 13-0067	LF	18" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	53.97	28.45
		For 3" WG (Class B), Add	7.11	
		For 4" Or 6" WG (Class A), Add	15.17	
		For 10" WG (Class A), Add	21.81	
		For Work In Restricted Working Space, Add	14.22	
23 31 13 13-0068	LF	20" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	51.42	27.09
		For 3" WG (Class B), Add	6.77	
		For 4" Or 6" WG (Class A), Add	14.45	
		For 10" WG (Class A), Add	20.77	
		For Work In Restricted Working Space, Add	13.55	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Air Distribution			23 30	
HVAC Ducts and Casings			23 31	

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
23 31 13 13-0069	LF	20" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	53.97		28.45
		For 3" WG (Class B), Add	7.11		
		For 4" Or 6" WG (Class A), Add	15.17		
		For 10" WG (Class A), Add	21.81		
		For Work In Restricted Working Space, Add	14.22		
23 31 13 13-0070	LF	20" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	56.55		29.80
		For 3" WG (Class B), Add	7.45		
		For 4" Or 6" WG (Class A), Add	15.89		
		For 10" WG (Class A), Add	22.85		
		For Work In Restricted Working Space, Add	14.90		
23 31 13 13-0071	LF	22" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	56.55		29.80
		For 3" WG (Class B), Add	7.45		
		For 4" Or 6" WG (Class A), Add	15.89		
		For 10" WG (Class A), Add	22.85		
		For Work In Restricted Working Space, Add	14.90		
23 31 13 13-0072	LF	22" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	59.12		31.16
		For 3" WG (Class B), Add	7.79		
		For 4" Or 6" WG (Class A), Add	16.62		
		For 10" WG (Class A), Add	23.89		
		For Work In Restricted Working Space, Add	15.58		
23 31 13 13-0073	LF	24" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	61.70		32.52
		For 3" WG (Class B), Add	8.13		
		For 4" Or 6" WG (Class A), Add	17.34		
		For 10" WG (Class A), Add	24.93		
		For Work In Restricted Working Space, Add	16.26		
23 31 13 13-0074 28 Gauge Galvanized Steel Metal Ductwork (23 31 13 13-0014)					
23 31 13 13-0075	LF	4" x 4", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	12.23		6.45
		For 3" WG (Class B), Add	1.61		
		For 4" Or 6" WG (Class A), Add	3.44		
		For 10" WG (Class A), Add	4.95		
		For Work In Restricted Working Space, Add	3.23		
23 31 13 13-0076	LF	4" x 6", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	15.31		8.06
		For 3" WG (Class B), Add	2.02		
		For 4" Or 6" WG (Class A), Add	4.30		
		For 10" WG (Class A), Add	6.18		
		For Work In Restricted Working Space, Add	4.03		
23 31 13 13-0077	LF	4" x 8", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	18.36		9.67
		For 3" WG (Class B), Add	2.42		
		For 4" Or 6" WG (Class A), Add	5.16		
		For 10" WG (Class A), Add	7.42		
		For Work In Restricted Working Space, Add	4.84		
23 31 13 13-0078	LF	4" x 10", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	21.41		11.29
		For 3" WG (Class B), Add	2.82		
		For 4" Or 6" WG (Class A), Add	6.02		
		For 10" WG (Class A), Add	8.65		
		For Work In Restricted Working Space, Add	5.64		
23 31 13 13-0079	LF	4" x 12", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	24.48		12.91
		For 3" WG (Class B), Add	3.23		
		For 4" Or 6" WG (Class A), Add	6.88		
		For 10" WG (Class A), Add	9.89		
		For Work In Restricted Working Space, Add	6.45		
23 31 13 13-0080	LF	4" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	27.54		14.51
		For 3" WG (Class B), Add	3.63		
		For 4" Or 6" WG (Class A), Add	7.74		
		For 10" WG (Class A), Add	11.13		
		For Work In Restricted Working Space, Add	7.26		
23 31 13 13-0081	LF	4" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	30.60		16.13
		For 3" WG (Class B), Add	4.03		
		For 4" Or 6" WG (Class A), Add	8.60		
		For 10" WG (Class A), Add	12.36		
		For Work In Restricted Working Space, Add	8.06		
23 31 13 13-0082	LF	6" x 6", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	18.36		9.67
		For 3" WG (Class B), Add	2.42		
		For 4" Or 6" WG (Class A), Add	5.16		
		For 10" WG (Class A), Add	7.42		
		For Work In Restricted Working Space, Add	4.84		
23 31 13 13-0083	LF	6" x 8", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	21.41		11.29
		For 3" WG (Class B), Add	2.82		
		For 4" Or 6" WG (Class A), Add	6.02		
		For 10" WG (Class A), Add	8.65		
		For Work In Restricted Working Space, Add	5.64		
23 31 13 13-0084	LF	6" x 10", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	24.48		12.91
		For 3" WG (Class B), Add	3.23		
		For 4" Or 6" WG (Class A), Add	6.88		
		For 10" WG (Class A), Add	9.89		
		For Work In Restricted Working Space, Add	6.45		
23 31 13 13-0085	LF	6" x 12", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	27.54		14.51
		For 3" WG (Class B), Add	3.63		
		For 4" Or 6" WG (Class A), Add	7.74		
		For 10" WG (Class A), Add	11.13		
		For Work In Restricted Working Space, Add	7.26		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0086	LF	6" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	30.60	16.13
		For 3" WG (Class B), Add	4.03	
		For 4" Or 6" WG (Class A), Add	8.60	
		For 10" WG (Class A), Add	12.36	
		For Work In Restricted Working Space, Add	8.06	
23 31 13 13-0087	LF	6" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	33.67	17.74
		For 3" WG (Class B), Add	4.44	
		For 4" Or 6" WG (Class A), Add	9.46	
		For 10" WG (Class A), Add	13.60	
		For Work In Restricted Working Space, Add	8.87	
23 31 13 13-0088	LF	8" x 8", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	24.48	12.91
		For 3" WG (Class B), Add	3.23	
		For 4" Or 6" WG (Class A), Add	6.68	
		For 10" WG (Class A), Add	9.89	
		For Work In Restricted Working Space, Add	6.45	
23 31 13 13-0089	LF	8" x 10", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	27.54	14.51
		For 3" WG (Class B), Add	3.63	
		For 4" Or 6" WG (Class A), Add	7.74	
		For 10" WG (Class A), Add	11.13	
		For Work In Restricted Working Space, Add	7.26	
23 31 13 13-0090	LF	8" x 12", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	30.60	16.13
		For 3" WG (Class B), Add	4.03	
		For 4" Or 6" WG (Class A), Add	8.60	
		For 10" WG (Class A), Add	12.36	
		For Work In Restricted Working Space, Add	8.06	
23 31 13 13-0091	LF	8" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	33.67	17.74
		For 3" WG (Class B), Add	4.44	
		For 4" Or 6" WG (Class A), Add	9.46	
		For 10" WG (Class A), Add	13.60	
		For Work In Restricted Working Space, Add	8.87	
23 31 13 13-0092	LF	8" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	36.72	19.35
		For 3" WG (Class B), Add	4.84	
		For 4" Or 6" WG (Class A), Add	10.32	
		For 10" WG (Class A), Add	14.84	
		For Work In Restricted Working Space, Add	9.68	
23 31 13 13-0093	LF	8" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	39.78	20.96
		For 3" WG (Class B), Add	5.24	
		For 4" Or 6" WG (Class A), Add	11.18	
		For 10" WG (Class A), Add	16.08	
		For Work In Restricted Working Space, Add	10.49	
23 31 13 13-0094	LF	8" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	42.86	22.58
		For 3" WG (Class B), Add	5.65	
		For 4" Or 6" WG (Class A), Add	12.04	
		For 10" WG (Class A), Add	17.31	
		For Work In Restricted Working Space, Add	11.29	
23 31 13 13-0095	LF	8" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	45.90	24.19
		For 3" WG (Class B), Add	6.05	
		For 4" Or 6" WG (Class A), Add	12.90	
		For 10" WG (Class A), Add	18.55	
		For Work In Restricted Working Space, Add	12.10	
23 31 13 13-0096	LF	8" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	48.98	25.80
		For 3" WG (Class B), Add	6.45	
		For 4" Or 6" WG (Class A), Add	13.76	
		For 10" WG (Class A), Add	19.78	
		For Work In Restricted Working Space, Add	12.90	
23 31 13 13-0097	LF	10" x 10", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	30.60	16.13
		For 3" WG (Class B), Add	4.03	
		For 4" Or 6" WG (Class A), Add	8.60	
		For 10" WG (Class A), Add	12.36	
		For Work In Restricted Working Space, Add	8.06	
23 31 13 13-0098	LF	10" x 12", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	33.67	17.74
		For 3" WG (Class B), Add	4.44	
		For 4" Or 6" WG (Class A), Add	9.46	
		For 10" WG (Class A), Add	13.60	
		For Work In Restricted Working Space, Add	8.87	
23 31 13 13-0099	LF	10" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	36.72	19.35
		For 3" WG (Class B), Add	4.84	
		For 4" Or 6" WG (Class A), Add	10.32	
		For 10" WG (Class A), Add	14.84	
		For Work In Restricted Working Space, Add	9.68	
23 31 13 13-0100	LF	10" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	39.78	20.96
		For 3" WG (Class B), Add	5.24	
		For 4" Or 6" WG (Class A), Add	11.18	
		For 10" WG (Class A), Add	16.08	
		For Work In Restricted Working Space, Add	10.49	
23 31 13 13-0101	LF	10" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	42.86	22.58
		For 3" WG (Class B), Add	5.65	
		For 4" Or 6" WG (Class A), Add	12.04	
		For 10" WG (Class A), Add	17.31	
		For Work In Restricted Working Space, Add	11.29	
23 31 13 13-0102	LF	10" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	45.90	24.19
		For 3" WG (Class B), Add	6.05	
		For 4" Or 6" WG (Class A), Add	12.90	
		For 10" WG (Class A), Add	18.55	
		For Work In Restricted Working Space, Add	12.10	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
HVAC Ducts and Casings			23 31

23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13	13-0103	LF 10" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	48.98 6.45 13.76 19.78 12.90	25.80
23 31	13	13-0104	LF 10" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	52.04 6.86 14.63 21.03 13.71	27.42
23 31	13	13-0105	LF 12" x 12", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	36.72 4.84 10.32 14.84 9.68	19.35
23 31	13	13-0106	LF 12" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	39.78 5.24 11.18 16.08 10.49	20.96
23 31	13	13-0107	LF 12" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	42.86 5.65 12.04 17.31 11.29	22.58
23 31	13	13-0108	LF 12" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	45.90 6.05 12.90 18.55 12.10	24.19
23 31	13	13-0109	LF 12" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	48.98 6.45 13.76 19.78 12.90	25.80
23 31	13	13-0110	LF 12" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	52.04 6.86 14.63 21.03 13.71	27.42
23 31	13	13-0111	LF 12" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	55.09 7.26 15.48 22.26 14.52	29.02
23 31	13	13-0112	LF 14" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	42.86 5.65 12.04 17.31 11.29	22.58
23 31	13	13-0113	LF 14" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	45.90 6.05 12.90 18.55 12.10	24.19
23 31	13	13-0114	LF 14" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	48.98 6.45 13.76 19.78 12.90	25.80
23 31	13	13-0115	LF 14" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	52.04 6.86 14.63 21.03 13.71	27.42
23 31	13	13-0116	LF 14" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	55.09 7.26 15.48 22.26 14.52	29.02
23 31	13	13-0117	LF 14" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	58.16 7.66 16.35 23.50 15.32	30.64
23 31	13	13-0118	LF 16" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	48.98 6.45 13.76 19.78 12.90	25.80
23 31	13	13-0119	LF 16" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	52.04 6.86 14.63 21.03 13.71	27.42

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0120	LF	16" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	55.09	29.02
		For 3" WG (Class B), Add	7.26	
		For 4" Or 6" WG (Class A), Add	15.48	
		For 10" WG (Class A), Add	22.26	
		For Work In Restricted Working Space, Add	14.52	
23 31 13 13-0121	LF	16" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	58.16	30.64
		For 3" WG (Class B), Add	7.66	
		For 4" Or 6" WG (Class A), Add	16.35	
		For 10" WG (Class A), Add	23.50	
		For Work In Restricted Working Space, Add	15.32	
23 31 13 13-0122	LF	16" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	61.21	32.25
		For 3" WG (Class B), Add	8.06	
		For 4" Or 6" WG (Class A), Add	17.20	
		For 10" WG (Class A), Add	24.73	
		For Work In Restricted Working Space, Add	16.13	
23 31 13 13-0123	LF	18" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	55.09	29.02
		For 3" WG (Class B), Add	7.26	
		For 4" Or 6" WG (Class A), Add	15.48	
		For 10" WG (Class A), Add	22.26	
		For Work In Restricted Working Space, Add	14.52	
23 31 13 13-0124	LF	18" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	58.16	30.64
		For 3" WG (Class B), Add	7.66	
		For 4" Or 6" WG (Class A), Add	16.35	
		For 10" WG (Class A), Add	23.50	
		For Work In Restricted Working Space, Add	15.32	
23 31 13 13-0125	LF	18" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	61.21	32.25
		For 3" WG (Class B), Add	8.06	
		For 4" Or 6" WG (Class A), Add	17.20	
		For 10" WG (Class A), Add	24.73	
		For Work In Restricted Working Space, Add	16.13	
23 31 13 13-0126	LF	18" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	64.27	33.87
		For 3" WG (Class B), Add	8.47	
		For 4" Or 6" WG (Class A), Add	18.06	
		For 10" WG (Class A), Add	25.97	
		For Work In Restricted Working Space, Add	16.94	
23 31 13 13-0127	LF	20" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	61.21	32.25
		For 3" WG (Class B), Add	8.06	
		For 4" Or 6" WG (Class A), Add	17.20	
		For 10" WG (Class A), Add	24.73	
		For Work In Restricted Working Space, Add	16.13	
23 31 13 13-0128	LF	20" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	64.27	33.87
		For 3" WG (Class B), Add	8.47	
		For 4" Or 6" WG (Class A), Add	18.06	
		For 10" WG (Class A), Add	25.97	
		For Work In Restricted Working Space, Add	16.94	
23 31 13 13-0129	LF	20" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	67.34	35.49
		For 3" WG (Class B), Add	8.87	
		For 4" Or 6" WG (Class A), Add	18.92	
		For 10" WG (Class A), Add	27.20	
		For Work In Restricted Working Space, Add	17.74	
23 31 13 13-0130	LF	22" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	67.34	35.49
		For 3" WG (Class B), Add	8.87	
		For 4" Or 6" WG (Class A), Add	18.92	
		For 10" WG (Class A), Add	27.20	
		For Work In Restricted Working Space, Add	17.74	
23 31 13 13-0131	LF	22" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	70.39	37.10
		For 3" WG (Class B), Add	9.27	
		For 4" Or 6" WG (Class A), Add	19.78	
		For 10" WG (Class A), Add	28.44	
		For Work In Restricted Working Space, Add	18.55	
23 31 13 13-0132	LF	24" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	73.45	38.72
		For 3" WG (Class B), Add	9.68	
		For 4" Or 6" WG (Class A), Add	20.65	
		For 10" WG (Class A), Add	29.68	
		For Work In Restricted Working Space, Add	19.36	
23 31 13 13-0133		26 Gauge Galvanized Steel Metal Ductwork (23 31 13 13-0014)		
23 31 13 13-0134	LF	4" x 4", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	14.21	7.48
		For 3" WG (Class B), Add	1.87	
		For 4" Or 6" WG (Class A), Add	3.99	
		For 10" WG (Class A), Add	5.74	
		For Work In Restricted Working Space, Add	3.74	
23 31 13 13-0135	LF	4" x 6", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	17.75	9.35
		For 3" WG (Class B), Add	2.34	
		For 4" Or 6" WG (Class A), Add	4.99	
		For 10" WG (Class A), Add	7.17	
		For Work In Restricted Working Space, Add	4.68	
23 31 13 13-0136	LF	4" x 8", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	21.30	11.23
		For 3" WG (Class B), Add	2.81	
		For 4" Or 6" WG (Class A), Add	5.99	
		For 10" WG (Class A), Add	8.61	
		For Work In Restricted Working Space, Add	5.61	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Air Distribution			23 30	
HVAC Ducts and Casings			23 31	

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
23 31 13	13-0137	LF 4" x 10", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	24.85 3.27 6.99 10.04 6.55	13.10
23 31 13	13-0138	LF 4" x 12", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	28.40 3.74 7.98 11.47 7.48	14.97
23 31 13	13-0139	LF 4" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	31.95 4.21 8.98 12.91 8.42	16.84
23 31 13	13-0140	LF 4" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	35.49 4.68 9.98 14.34 9.35	18.71
23 31 13	13-0141	LF 6" x 6", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	21.30 2.81 5.99 8.61 5.61	11.23
23 31 13	13-0142	LF 6" x 8", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	24.85 3.27 6.99 10.04 6.55	13.10
23 31 13	13-0143	LF 6" x 10", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	28.40 3.74 7.98 11.47 7.48	14.97
23 31 13	13-0144	LF 6" x 12", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	31.95 4.21 8.98 12.91 8.42	16.84
23 31 13	13-0145	LF 6" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	35.49 4.68 9.98 14.34 9.35	18.71
23 31 13	13-0146	LF 6" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	39.06 5.15 10.98 15.78 10.29	20.58
23 31 13	13-0147	LF 8" x 8", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	28.40 3.74 7.98 11.47 7.48	14.97
23 31 13	13-0148	LF 8" x 10", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	31.95 4.21 8.98 12.91 8.42	16.84
23 31 13	13-0149	LF 8" x 12", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	35.50 4.68 9.98 14.34 9.35	18.71
23 31 13	13-0150	LF 8" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	39.06 5.15 10.98 15.78 10.29	20.58
23 31 13	13-0151	LF 8" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	42.62 5.61 11.98 17.22 11.23	22.45
23 31 13	13-0152	LF 8" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	46.15 6.08 12.97 18.65 12.16	24.32
23 31 13	13-0153	LF 8" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	49.70 6.55 13.97 20.08 13.10	26.20

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0154 LF 8" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	53.27	28.06
For 3" WG (Class B), Add	7.02	
For 4" Or 6" WG (Class A), Add	14.97	
For 10" WG (Class A), Add	21.52	
For Work In Restricted Working Space, Add	14.03	
23 31 13 13-0155 LF 8" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	56.80	29.93
For 3" WG (Class B), Add	7.48	
For 4" Or 6" WG (Class A), Add	15.96	
For 10" WG (Class A), Add	22.95	
For Work In Restricted Working Space, Add	14.97	
23 31 13 13-0156 LF 10" x 10", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	35.50	18.71
For 3" WG (Class B), Add	4.68	
For 4" Or 6" WG (Class A), Add	9.98	
For 10" WG (Class A), Add	14.34	
For Work In Restricted Working Space, Add	9.35	
23 31 13 13-0157 LF 10" x 12", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	39.05	20.58
For 3" WG (Class B), Add	5.15	
For 4" Or 6" WG (Class A), Add	10.98	
For 10" WG (Class A), Add	15.78	
For Work In Restricted Working Space, Add	10.29	
23 31 13 13-0158 LF 10" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	42.62	22.45
For 3" WG (Class B), Add	5.61	
For 4" Or 6" WG (Class A), Add	11.98	
For 10" WG (Class A), Add	17.22	
For Work In Restricted Working Space, Add	11.23	
23 31 13 13-0159 LF 10" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	46.15	24.32
For 3" WG (Class B), Add	6.08	
For 4" Or 6" WG (Class A), Add	12.97	
For 10" WG (Class A), Add	18.65	
For Work In Restricted Working Space, Add	12.16	
23 31 13 13-0160 LF 10" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	49.70	26.20
For 3" WG (Class B), Add	6.55	
For 4" Or 6" WG (Class A), Add	13.97	
For 10" WG (Class A), Add	20.08	
For Work In Restricted Working Space, Add	13.10	
23 31 13 13-0161 LF 10" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	53.27	28.06
For 3" WG (Class B), Add	7.02	
For 4" Or 6" WG (Class A), Add	14.97	
For 10" WG (Class A), Add	21.52	
For Work In Restricted Working Space, Add	14.03	
23 31 13 13-0162 LF 10" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	56.80	29.93
For 3" WG (Class B), Add	7.48	
For 4" Or 6" WG (Class A), Add	15.96	
For 10" WG (Class A), Add	22.95	
For Work In Restricted Working Space, Add	14.97	
23 31 13 13-0163 LF 10" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	60.36	31.81
For 3" WG (Class B), Add	7.95	
For 4" Or 6" WG (Class A), Add	16.97	
For 10" WG (Class A), Add	24.39	
For Work In Restricted Working Space, Add	15.91	
23 31 13 13-0164 LF 12" x 12", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	42.61	22.45
For 3" WG (Class B), Add	5.61	
For 4" Or 6" WG (Class A), Add	11.98	
For 10" WG (Class A), Add	17.22	
For Work In Restricted Working Space, Add	11.23	
23 31 13 13-0165 LF 12" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	46.15	24.32
For 3" WG (Class B), Add	6.08	
For 4" Or 6" WG (Class A), Add	12.97	
For 10" WG (Class A), Add	18.65	
For Work In Restricted Working Space, Add	12.16	
23 31 13 13-0166 LF 12" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	49.70	26.20
For 3" WG (Class B), Add	6.55	
For 4" Or 6" WG (Class A), Add	13.97	
For 10" WG (Class A), Add	20.08	
For Work In Restricted Working Space, Add	13.10	
23 31 13 13-0167 LF 12" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	53.27	28.06
For 3" WG (Class B), Add	7.02	
For 4" Or 6" WG (Class A), Add	14.97	
For 10" WG (Class A), Add	21.52	
For Work In Restricted Working Space, Add	14.03	
23 31 13 13-0168 LF 12" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	56.80	29.93
For 3" WG (Class B), Add	7.48	
For 4" Or 6" WG (Class A), Add	15.96	
For 10" WG (Class A), Add	22.95	
For Work In Restricted Working Space, Add	14.97	
23 31 13 13-0169 LF 12" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	60.36	31.81
For 3" WG (Class B), Add	7.95	
For 4" Or 6" WG (Class A), Add	16.97	
For 10" WG (Class A), Add	24.39	
For Work In Restricted Working Space, Add	15.91	
23 31 13 13-0170 LF 12" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	63.91	33.68
For 3" WG (Class B), Add	8.42	
For 4" Or 6" WG (Class A), Add	17.96	
For 10" WG (Class A), Add	25.82	
For Work In Restricted Working Space, Add	16.84	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
HVAC Ducts and Casings			23 31

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13	13-0171	LF 14" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	49.70 6.55 13.97 20.08 13.10	26.20
23 31	13	13-0172	LF 14" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	53.27 7.02 14.97 21.52 14.03	28.06
23 31	13	13-0173	LF 14" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	56.80 7.48 15.96 22.95 14.97	29.93
23 31	13	13-0174	LF 14" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	60.36 7.95 16.97 24.39 15.91	31.81
23 31	13	13-0175	LF 14" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	63.91 8.42 17.96 25.82 16.84	33.68
23 31	13	13-0176	LF 14" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	67.47 8.89 18.96 27.26 17.78	35.56
23 31	13	13-0177	LF 16" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	56.80 7.48 15.96 22.95 14.97	29.93
23 31	13	13-0178	LF 16" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	60.36 7.95 16.97 24.39 15.91	31.81
23 31	13	13-0179	LF 16" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	63.91 8.42 17.96 25.82 16.84	33.68
23 31	13	13-0180	LF 16" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	67.47 8.89 18.96 27.26 17.78	35.56
23 31	13	13-0181	LF 16" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	71.01 9.36 19.96 28.69 18.71	37.43
23 31	13	13-0182	LF 18" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	63.91 8.42 17.96 25.82 16.84	33.68
23 31	13	13-0183	LF 18" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	67.47 8.89 18.96 27.26 17.78	35.56
23 31	13	13-0184	LF 18" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	71.01 9.36 19.96 28.69 18.71	37.43
23 31	13	13-0185	LF 18" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	74.56 9.82 20.96 30.13 19.65	39.29
23 31	13	13-0186	LF 20" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	71.01 9.36 19.96 28.69 18.71	37.43
23 31	13	13-0187	LF 20" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	74.56 9.82 20.96 30.13 19.65	39.29

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0188	LF	20" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	78.10	41.16
		For 3" WG (Class B), Add	10.29	
		For 4" Or 6" WG (Class A), Add	21.95	
		For 10" WG (Class A), Add	31.56	
		For Work In Restricted Working Space, Add	20.58	
23 31 13 13-0189	LF	22" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	78.10	41.16
		For 3" WG (Class B), Add	10.29	
		For 4" Or 6" WG (Class A), Add	21.95	
		For 10" WG (Class A), Add	31.56	
		For Work In Restricted Working Space, Add	20.58	
23 31 13 13-0190	LF	24" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	81.66	43.03
		For 3" WG (Class B), Add	10.76	
		For 4" Or 6" WG (Class A), Add	22.95	
		For 10" WG (Class A), Add	32.99	
		For Work In Restricted Working Space, Add	21.52	
23 31 13 13-0191	LF	24" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	85.21	44.91
		For 3" WG (Class B), Add	11.23	
		For 4" Or 6" WG (Class A), Add	23.95	
		For 10" WG (Class A), Add	34.43	
		For Work In Restricted Working Space, Add	22.45	
23 31 13 13-0192		24 Gauge Galvanized Steel Metal Ductwork (23 31 13 13-0014)		
23 31 13 13-0193	LF	4" x 4", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	21.56	11.61
		For 3" WG (Class B), Add	2.90	
		For 4" Or 6" WG (Class A), Add	6.20	
		For 10" WG (Class A), Add	8.91	
		For Work In Restricted Working Space, Add	5.81	
23 31 13 13-0194	LF	4" x 6", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	26.96	14.51
		For 3" WG (Class B), Add	3.63	
		For 4" Or 6" WG (Class A), Add	7.74	
		For 10" WG (Class A), Add	11.13	
		For Work In Restricted Working Space, Add	7.26	
23 31 13 13-0195	LF	4" x 8", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	32.34	17.42
		For 3" WG (Class B), Add	4.35	
		For 4" Or 6" WG (Class A), Add	9.29	
		For 10" WG (Class A), Add	13.35	
		For Work In Restricted Working Space, Add	8.71	
23 31 13 13-0196	LF	4" x 10", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	37.73	20.33
		For 3" WG (Class B), Add	5.08	
		For 4" Or 6" WG (Class A), Add	10.84	
		For 10" WG (Class A), Add	15.58	
		For Work In Restricted Working Space, Add	10.16	
23 31 13 13-0197	LF	4" x 12", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	43.13	23.24
		For 3" WG (Class B), Add	5.81	
		For 4" Or 6" WG (Class A), Add	12.39	
		For 10" WG (Class A), Add	17.81	
		For Work In Restricted Working Space, Add	11.62	
23 31 13 13-0198	LF	4" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	48.52	26.14
		For 3" WG (Class B), Add	6.53	
		For 4" Or 6" WG (Class A), Add	13.94	
		For 10" WG (Class A), Add	20.04	
		For Work In Restricted Working Space, Add	13.07	
23 31 13 13-0199	LF	4" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	53.91	29.03
		For 3" WG (Class B), Add	7.26	
		For 4" Or 6" WG (Class A), Add	15.49	
		For 10" WG (Class A), Add	22.26	
		For Work In Restricted Working Space, Add	14.52	
23 31 13 13-0200	LF	6" x 6", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	32.34	17.42
		For 3" WG (Class B), Add	4.35	
		For 4" Or 6" WG (Class A), Add	9.29	
		For 10" WG (Class A), Add	13.35	
		For Work In Restricted Working Space, Add	8.71	
23 31 13 13-0201	LF	6" x 8", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	37.73	20.33
		For 3" WG (Class B), Add	5.08	
		For 4" Or 6" WG (Class A), Add	10.84	
		For 10" WG (Class A), Add	15.58	
		For Work In Restricted Working Space, Add	10.16	
23 31 13 13-0202	LF	6" x 10", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	43.13	23.24
		For 3" WG (Class B), Add	5.81	
		For 4" Or 6" WG (Class A), Add	12.39	
		For 10" WG (Class A), Add	17.81	
		For Work In Restricted Working Space, Add	11.62	
23 31 13 13-0203	LF	6" x 12", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	48.52	26.14
		For 3" WG (Class B), Add	6.53	
		For 4" Or 6" WG (Class A), Add	13.94	
		For 10" WG (Class A), Add	20.04	
		For Work In Restricted Working Space, Add	13.07	
23 31 13 13-0204	LF	6" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	53.91	29.03
		For 3" WG (Class B), Add	7.26	
		For 4" Or 6" WG (Class A), Add	15.49	
		For 10" WG (Class A), Add	22.26	
		For Work In Restricted Working Space, Add	14.52	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
HVAC Ducts and Casings			23 31

23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13	13-0205	LF 6" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	59.30 7.99 17.04 24.49 15.97	31.94
23 31	13	13-0206	LF 8" x 8", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	43.13 5.81 12.39 17.81 11.62	23.24
23 31	13	13-0207	LF 8" x 10", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	48.52 6.53 13.94 20.04 13.07	26.14
23 31	13	13-0208	LF 8" x 12", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	53.91 7.26 15.49 22.26 14.52	29.03
23 31	13	13-0209	LF 8" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	59.30 7.99 17.04 24.49 15.97	31.94
23 31	13	13-0210	LF 8" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	64.69 8.71 18.59 26.72 17.42	34.84
23 31	13	13-0211	LF 8" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	70.08 9.44 20.13 28.94 18.87	37.75
23 31	13	13-0212	LF 8" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	75.47 10.16 21.68 31.17 20.33	40.66
23 31	13	13-0213	LF 8" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	80.86 10.89 23.23 33.39 21.78	43.56
23 31	13	13-0214	LF 8" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	86.25 11.61 24.78 35.62 23.23	46.45
23 31	13	13-0215	LF 10" x 10", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	53.91 7.26 15.49 22.26 14.52	29.03
23 31	13	13-0216	LF 10" x 12", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	59.30 7.99 17.04 24.49 15.97	31.94
23 31	13	13-0217	LF 10" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	64.69 8.71 18.59 26.72 17.42	34.84
23 31	13	13-0218	LF 10" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	70.08 9.44 20.13 28.94 18.87	37.75
23 31	13	13-0219	LF 10" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	75.47 10.16 21.68 31.17 20.33	40.66
23 31	13	13-0220	LF 10" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	80.86 10.89 23.23 33.39 21.78	43.56
23 31	13	13-0221	LF 10" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	86.25 11.61 24.78 35.62 23.23	46.45

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0222 LF 10" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	91.64	49.36
For 3" WG (Class B), Add	12.34	
For 4" Or 6" WG (Class A), Add	26.33	
For 10" WG (Class A), Add	37.84	
For Work In Restricted Working Space, Add	24.68	
23 31 13 13-0223 LF 10" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	97.03	52.26
For 3" WG (Class B), Add	13.07	
For 4" Or 6" WG (Class A), Add	27.88	
For 10" WG (Class A), Add	40.07	
For Work In Restricted Working Space, Add	26.13	
23 31 13 13-0224 LF 10" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	102.42	55.17
For 3" WG (Class B), Add	13.79	
For 4" Or 6" WG (Class A), Add	29.42	
For 10" WG (Class A), Add	42.30	
For Work In Restricted Working Space, Add	27.59	
23 31 13 13-0225 LF 10" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	107.80	58.08
For 3" WG (Class B), Add	14.52	
For 4" Or 6" WG (Class A), Add	30.97	
For 10" WG (Class A), Add	44.52	
For Work In Restricted Working Space, Add	29.03	
23 31 13 13-0226 LF 12" x 12", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	64.69	34.84
For 3" WG (Class B), Add	8.71	
For 4" Or 6" WG (Class A), Add	18.59	
For 10" WG (Class A), Add	26.72	
For Work In Restricted Working Space, Add	17.42	
23 31 13 13-0227 LF 12" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	70.08	37.75
For 3" WG (Class B), Add	9.44	
For 4" Or 6" WG (Class A), Add	20.13	
For 10" WG (Class A), Add	28.94	
For Work In Restricted Working Space, Add	18.87	
23 31 13 13-0228 LF 12" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	75.47	40.66
For 3" WG (Class B), Add	10.16	
For 4" Or 6" WG (Class A), Add	21.68	
For 10" WG (Class A), Add	31.17	
For Work In Restricted Working Space, Add	20.33	
23 31 13 13-0229 LF 12" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	80.86	43.56
For 3" WG (Class B), Add	10.89	
For 4" Or 6" WG (Class A), Add	23.23	
For 10" WG (Class A), Add	33.39	
For Work In Restricted Working Space, Add	21.78	
23 31 13 13-0230 LF 12" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	86.25	46.45
For 3" WG (Class B), Add	11.61	
For 4" Or 6" WG (Class A), Add	24.78	
For 10" WG (Class A), Add	35.62	
For Work In Restricted Working Space, Add	23.23	
23 31 13 13-0231 LF 12" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	91.64	49.36
For 3" WG (Class B), Add	12.34	
For 4" Or 6" WG (Class A), Add	26.33	
For 10" WG (Class A), Add	37.84	
For Work In Restricted Working Space, Add	24.68	
23 31 13 13-0232 LF 12" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	97.03	52.26
For 3" WG (Class B), Add	13.07	
For 4" Or 6" WG (Class A), Add	27.88	
For 10" WG (Class A), Add	40.07	
For Work In Restricted Working Space, Add	26.13	
23 31 13 13-0233 LF 12" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	102.42	55.17
For 3" WG (Class B), Add	13.79	
For 4" Or 6" WG (Class A), Add	29.42	
For 10" WG (Class A), Add	42.30	
For Work In Restricted Working Space, Add	27.59	
23 31 13 13-0234 LF 12" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	107.80	58.08
For 3" WG (Class B), Add	14.52	
For 4" Or 6" WG (Class A), Add	30.97	
For 10" WG (Class A), Add	44.52	
For Work In Restricted Working Space, Add	29.03	
23 31 13 13-0235 LF 12" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	113.20	60.99
For 3" WG (Class B), Add	15.24	
For 4" Or 6" WG (Class A), Add	32.52	
For 10" WG (Class A), Add	46.75	
For Work In Restricted Working Space, Add	30.49	
23 31 13 13-0236 LF 14" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	75.47	40.66
For 3" WG (Class B), Add	10.16	
For 4" Or 6" WG (Class A), Add	21.68	
For 10" WG (Class A), Add	31.17	
For Work In Restricted Working Space, Add	20.33	
23 31 13 13-0237 LF 14" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	80.86	43.56
For 3" WG (Class B), Add	10.89	
For 4" Or 6" WG (Class A), Add	23.23	
For 10" WG (Class A), Add	33.39	
For Work In Restricted Working Space, Add	21.78	
23 31 13 13-0238 LF 14" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	86.25	46.45
For 3" WG (Class B), Add	11.61	
For 4" Or 6" WG (Class A), Add	24.78	
For 10" WG (Class A), Add	35.62	
For Work In Restricted Working Space, Add	23.23	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Air Distribution			23 30	
HVAC Ducts and Casings			23 31	

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
23 31 13 13-0239	LF	14" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	91.64	49.36
		For 3" WG (Class B), Add	12.34	
		For 4" Or 6" WG (Class A), Add	26.33	
		For 10" WG (Class A), Add	37.84	
		For Work In Restricted Working Space, Add	24.68	
23 31 13 13-0240	LF	14" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	97.03	52.26
		For 3" WG (Class B), Add	13.07	
		For 4" Or 6" WG (Class A), Add	27.88	
		For 10" WG (Class A), Add	40.07	
		For Work In Restricted Working Space, Add	26.13	
23 31 13 13-0241	LF	14" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	102.42	55.17
		For 3" WG (Class B), Add	13.79	
		For 4" Or 6" WG (Class A), Add	29.42	
		For 10" WG (Class A), Add	42.30	
		For Work In Restricted Working Space, Add	27.59	
23 31 13 13-0242	LF	14" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	107.80	58.08
		For 3" WG (Class B), Add	14.52	
		For 4" Or 6" WG (Class A), Add	30.97	
		For 10" WG (Class A), Add	44.52	
		For Work In Restricted Working Space, Add	29.03	
23 31 13 13-0243	LF	14" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	113.20	60.99
		For 3" WG (Class B), Add	15.24	
		For 4" Or 6" WG (Class A), Add	32.52	
		For 10" WG (Class A), Add	46.75	
		For Work In Restricted Working Space, Add	30.49	
23 31 13 13-0244	LF	14" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	118.59	63.87
		For 3" WG (Class B), Add	15.97	
		For 4" Or 6" WG (Class A), Add	34.07	
		For 10" WG (Class A), Add	48.97	
		For Work In Restricted Working Space, Add	31.94	
23 31 13 13-0245	LF	16" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	86.25	46.45
		For 3" WG (Class B), Add	11.61	
		For 4" Or 6" WG (Class A), Add	24.78	
		For 10" WG (Class A), Add	35.62	
		For Work In Restricted Working Space, Add	23.23	
23 31 13 13-0246	LF	16" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	91.64	49.36
		For 3" WG (Class B), Add	12.34	
		For 4" Or 6" WG (Class A), Add	26.33	
		For 10" WG (Class A), Add	37.84	
		For Work In Restricted Working Space, Add	24.68	
23 31 13 13-0247	LF	16" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	97.03	52.26
		For 3" WG (Class B), Add	13.07	
		For 4" Or 6" WG (Class A), Add	27.88	
		For 10" WG (Class A), Add	40.07	
		For Work In Restricted Working Space, Add	26.13	
23 31 13 13-0248	LF	16" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	102.42	55.17
		For 3" WG (Class B), Add	13.79	
		For 4" Or 6" WG (Class A), Add	29.42	
		For 10" WG (Class A), Add	42.30	
		For Work In Restricted Working Space, Add	27.59	
23 31 13 13-0249	LF	16" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	107.80	58.08
		For 3" WG (Class B), Add	14.52	
		For 4" Or 6" WG (Class A), Add	30.97	
		For 10" WG (Class A), Add	44.52	
		For Work In Restricted Working Space, Add	29.03	
23 31 13 13-0250	LF	16" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	113.20	60.99
		For 3" WG (Class B), Add	15.24	
		For 4" Or 6" WG (Class A), Add	32.52	
		For 10" WG (Class A), Add	46.75	
		For Work In Restricted Working Space, Add	30.49	
23 31 13 13-0251	LF	16" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	118.59	63.87
		For 3" WG (Class B), Add	15.97	
		For 4" Or 6" WG (Class A), Add	34.07	
		For 10" WG (Class A), Add	48.97	
		For Work In Restricted Working Space, Add	31.94	
23 31 13 13-0252	LF	16" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	123.99	66.78
		For 3" WG (Class B), Add	16.70	
		For 4" Or 6" WG (Class A), Add	35.62	
		For 10" WG (Class A), Add	51.20	
		For Work In Restricted Working Space, Add	33.39	
23 31 13 13-0253	LF	18" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	97.03	52.26
		For 3" WG (Class B), Add	13.07	
		For 4" Or 6" WG (Class A), Add	27.88	
		For 10" WG (Class A), Add	40.07	
		For Work In Restricted Working Space, Add	26.13	
23 31 13 13-0254	LF	18" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	102.42	55.17
		For 3" WG (Class B), Add	13.79	
		For 4" Or 6" WG (Class A), Add	29.42	
		For 10" WG (Class A), Add	42.30	
		For Work In Restricted Working Space, Add	27.59	
23 31 13 13-0255	LF	18" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	107.80	58.08
		For 3" WG (Class B), Add	14.52	
		For 4" Or 6" WG (Class A), Add	30.97	
		For 10" WG (Class A), Add	44.52	
		For Work In Restricted Working Space, Add	29.03	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0256 LF 18" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	113.20 15.24 32.52 46.75 30.49	60.99
23 31 13 13-0257 LF 18" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	118.59 15.97 34.07 48.97 31.94	63.87
23 31 13 13-0258 LF 18" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	123.99 16.70 35.62 51.20 33.39	66.78
23 31 13 13-0259 LF 18" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	129.37 17.42 37.16 53.42 34.84	69.69
23 31 13 13-0260 LF 20" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	107.80 14.52 30.97 44.52 29.03	58.08
23 31 13 13-0261 LF 20" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	113.20 15.24 32.52 46.75 30.49	60.99
23 31 13 13-0262 LF 20" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	118.59 15.97 34.07 48.97 31.94	63.87
23 31 13 13-0263 LF 20" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	123.99 16.70 35.62 51.20 33.39	66.78
23 31 13 13-0264 LF 20" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	129.37 17.42 37.16 53.42 34.84	69.69
23 31 13 13-0265 LF 20" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	134.77 18.15 38.72 55.66 36.30	72.59
23 31 13 13-0266 LF 22" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	118.59 15.97 34.07 48.97 31.94	63.87
23 31 13 13-0267 LF 22" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	123.99 16.70 35.62 51.20 33.39	66.78
23 31 13 13-0268 LF 22" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	129.37 17.42 37.16 53.42 34.84	69.69
23 31 13 13-0269 LF 22" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	134.77 18.15 38.72 55.66 36.30	72.59
23 31 13 13-0270 LF 22" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	140.16 18.87 40.27 57.88 37.75	75.50
23 31 13 13-0271 LF 24" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	129.37 17.42 37.16 53.42 34.84	69.69
23 31 13 13-0272 LF 24" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	134.77 18.15 38.72 55.66 36.30	72.59



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Air Distribution			23 30	
HVAC Ducts and Casings			23 31	

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
23 31 13 13-0273	LF	24" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	140.16	75.50
		For 3" WG (Class B), Add	18.87	
		For 4" Or 6" WG (Class A), Add	40.27	
		For 10" WG (Class A), Add	57.88	
		For Work In Restricted Working Space, Add	37.75	
23 31 13 13-0274	LF	24" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	145.55	78.41
		For 3" WG (Class B), Add	19.60	
		For 4" Or 6" WG (Class A), Add	41.81	
		For 10" WG (Class A), Add	60.11	
		For Work In Restricted Working Space, Add	39.20	
23 31 13 13-0275	LF	26" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	140.16	75.50
		For 3" WG (Class B), Add	18.87	
		For 4" Or 6" WG (Class A), Add	40.27	
		For 10" WG (Class A), Add	57.88	
		For Work In Restricted Working Space, Add	37.75	
23 31 13 13-0276	LF	26" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	145.55	78.41
		For 3" WG (Class B), Add	19.60	
		For 4" Or 6" WG (Class A), Add	41.81	
		For 10" WG (Class A), Add	60.11	
		For Work In Restricted Working Space, Add	39.20	
23 31 13 13-0277	LF	26" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	150.93	81.29
		For 3" WG (Class B), Add	20.33	
		For 4" Or 6" WG (Class A), Add	43.36	
		For 10" WG (Class A), Add	62.33	
		For Work In Restricted Working Space, Add	40.65	
23 31 13 13-0278	LF	28" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	150.93	81.29
		For 3" WG (Class B), Add	20.33	
		For 4" Or 6" WG (Class A), Add	43.36	
		For 10" WG (Class A), Add	62.33	
		For Work In Restricted Working Space, Add	40.65	
23 31 13 13-0279	LF	28" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	156.33	84.20
		For 3" WG (Class B), Add	21.05	
		For 4" Or 6" WG (Class A), Add	44.91	
		For 10" WG (Class A), Add	64.56	
		For Work In Restricted Working Space, Add	42.10	
23 31 13 13-0280	LF	30" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	161.73	87.11
		For 3" WG (Class B), Add	21.78	
		For 4" Or 6" WG (Class A), Add	46.46	
		For 10" WG (Class A), Add	66.79	
		For Work In Restricted Working Space, Add	43.56	
23 31 13 13-0281		22 Gauge Galvanized Steel Metal Ductwork (23 31 13 13-0014)		
23 31 13 13-0282	LF	4" x 4", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	22.04	11.61
		For 3" WG (Class B), Add	2.90	
		For 4" Or 6" WG (Class A), Add	6.20	
		For 10" WG (Class A), Add	8.91	
		For Work In Restricted Working Space, Add	5.81	
23 31 13 13-0283	LF	4" x 6", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	27.55	14.51
		For 3" WG (Class B), Add	3.63	
		For 4" Or 6" WG (Class A), Add	7.74	
		For 10" WG (Class A), Add	11.13	
		For Work In Restricted Working Space, Add	7.26	
23 31 13 13-0284	LF	4" x 8", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	33.05	17.42
		For 3" WG (Class B), Add	4.35	
		For 4" Or 6" WG (Class A), Add	9.29	
		For 10" WG (Class A), Add	13.35	
		For Work In Restricted Working Space, Add	8.71	
23 31 13 13-0285	LF	4" x 10", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	38.56	20.33
		For 3" WG (Class B), Add	5.08	
		For 4" Or 6" WG (Class A), Add	10.84	
		For 10" WG (Class A), Add	15.58	
		For Work In Restricted Working Space, Add	10.16	
23 31 13 13-0286	LF	4" x 12", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	44.08	23.24
		For 3" WG (Class B), Add	5.81	
		For 4" Or 6" WG (Class A), Add	12.39	
		For 10" WG (Class A), Add	17.81	
		For Work In Restricted Working Space, Add	11.62	
23 31 13 13-0287	LF	4" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	49.59	26.14
		For 3" WG (Class B), Add	6.53	
		For 4" Or 6" WG (Class A), Add	13.94	
		For 10" WG (Class A), Add	20.04	
		For Work In Restricted Working Space, Add	13.07	
23 31 13 13-0288	LF	4" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	55.10	29.03
		For 3" WG (Class B), Add	7.26	
		For 4" Or 6" WG (Class A), Add	15.49	
		For 10" WG (Class A), Add	22.26	
		For Work In Restricted Working Space, Add	14.52	
23 31 13 13-0289	LF	6" x 6", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	33.05	17.42
		For 3" WG (Class B), Add	4.35	
		For 4" Or 6" WG (Class A), Add	9.29	
		For 10" WG (Class A), Add	13.35	
		For Work In Restricted Working Space, Add	8.71	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0290 LF 6" x 8", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	38.56	20.33
For 3" WG (Class B), Add	5.08	
For 4" Or 6" WG (Class A), Add	10.84	
For 10" WG (Class A), Add	15.58	
For Work In Restricted Working Space, Add	10.16	
23 31 13 13-0291 LF 6" x 12", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	44.08	23.24
For 3" WG (Class B), Add	5.81	
For 4" Or 6" WG (Class A), Add	12.39	
For 10" WG (Class A), Add	17.81	
For Work In Restricted Working Space, Add	11.62	
23 31 13 13-0292 LF 6" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	49.59	26.14
For 3" WG (Class B), Add	6.53	
For 4" Or 6" WG (Class A), Add	13.94	
For 10" WG (Class A), Add	20.04	
For Work In Restricted Working Space, Add	13.07	
23 31 13 13-0293 LF 6" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	55.10	29.03
For 3" WG (Class B), Add	7.26	
For 4" Or 6" WG (Class A), Add	15.49	
For 10" WG (Class A), Add	22.26	
For Work In Restricted Working Space, Add	14.52	
23 31 13 13-0294 LF 6" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	60.61	31.94
For 3" WG (Class B), Add	7.99	
For 4" Or 6" WG (Class A), Add	17.04	
For 10" WG (Class A), Add	24.49	
For Work In Restricted Working Space, Add	15.97	
23 31 13 13-0295 LF 8" x 8", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	44.08	23.24
For 3" WG (Class B), Add	5.81	
For 4" Or 6" WG (Class A), Add	12.39	
For 10" WG (Class A), Add	17.81	
For Work In Restricted Working Space, Add	11.62	
23 31 13 13-0296 LF 8" x 10", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	49.59	26.14
For 3" WG (Class B), Add	6.53	
For 4" Or 6" WG (Class A), Add	13.94	
For 10" WG (Class A), Add	20.04	
For Work In Restricted Working Space, Add	13.07	
23 31 13 13-0297 LF 8" x 12", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	55.10	29.03
For 3" WG (Class B), Add	7.26	
For 4" Or 6" WG (Class A), Add	15.49	
For 10" WG (Class A), Add	22.26	
For Work In Restricted Working Space, Add	14.52	
23 31 13 13-0298 LF 8" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	60.61	31.94
For 3" WG (Class B), Add	7.99	
For 4" Or 6" WG (Class A), Add	17.04	
For 10" WG (Class A), Add	24.49	
For Work In Restricted Working Space, Add	15.97	
23 31 13 13-0299 LF 8" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	66.13	34.84
For 3" WG (Class B), Add	8.71	
For 4" Or 6" WG (Class A), Add	18.59	
For 10" WG (Class A), Add	26.72	
For Work In Restricted Working Space, Add	17.42	
23 31 13 13-0300 LF 8" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	71.63	37.75
For 3" WG (Class B), Add	9.44	
For 4" Or 6" WG (Class A), Add	20.13	
For 10" WG (Class A), Add	28.94	
For Work In Restricted Working Space, Add	18.87	
23 31 13 13-0301 LF 8" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	77.14	40.66
For 3" WG (Class B), Add	10.16	
For 4" Or 6" WG (Class A), Add	21.68	
For 10" WG (Class A), Add	31.17	
For Work In Restricted Working Space, Add	20.33	
23 31 13 13-0302 LF 8" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	82.65	43.56
For 3" WG (Class B), Add	10.89	
For 4" Or 6" WG (Class A), Add	23.23	
For 10" WG (Class A), Add	33.39	
For Work In Restricted Working Space, Add	21.78	
23 31 13 13-0303 LF 8" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	88.16	46.45
For 3" WG (Class B), Add	11.61	
For 4" Or 6" WG (Class A), Add	24.78	
For 10" WG (Class A), Add	35.62	
For Work In Restricted Working Space, Add	23.23	
23 31 13 13-0304 LF 10" x 10", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	55.10	29.03
For 3" WG (Class B), Add	7.26	
For 4" Or 6" WG (Class A), Add	15.49	
For 10" WG (Class A), Add	22.26	
For Work In Restricted Working Space, Add	14.52	
23 31 13 13-0305 LF 10" x 12", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	60.61	31.94
For 3" WG (Class B), Add	7.99	
For 4" Or 6" WG (Class A), Add	17.04	
For 10" WG (Class A), Add	24.49	
For Work In Restricted Working Space, Add	15.97	
23 31 13 13-0306 LF 10" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	66.13	34.84
For 3" WG (Class B), Add	8.71	
For 4" Or 6" WG (Class A), Add	18.59	
For 10" WG (Class A), Add	26.72	
For Work In Restricted Working Space, Add	17.42	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
HVAC Ducts and Casings			23 31

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0307	LF	10" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	71.63 9.44 20.13 28.94 18.87	37.75
23 31 13	13-0308	LF	10" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	77.14 10.16 21.68 31.17 20.33	40.66
23 31 13	13-0309	LF	10" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	82.65 10.89 23.23 33.39 21.78	43.56
23 31 13	13-0310	LF	10" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	88.16 11.61 24.78 35.62 23.23	46.45
23 31 13	13-0311	LF	10" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	93.67 12.34 26.33 37.84 24.68	49.36
23 31 13	13-0312	LF	10" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	99.18 13.07 27.88 40.07 26.13	52.26
23 31 13	13-0313	LF	10" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	104.69 13.79 29.42 42.30 27.59	55.17
23 31 13	13-0314	LF	10" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	110.19 14.52 30.97 44.52 29.03	58.08
23 31 13	13-0315	LF	10" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	115.70 15.24 32.52 46.75 30.49	60.99
23 31 13	13-0316	LF	12" x 12", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	66.13 8.71 18.59 26.72 17.42	34.84
23 31 13	13-0317	LF	12" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	71.63 9.44 20.13 28.94 18.87	37.75
23 31 13	13-0318	LF	12" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	77.14 10.16 21.68 31.17 20.33	40.66
23 31 13	13-0319	LF	12" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	82.65 10.89 23.23 33.39 21.78	43.56
23 31 13	13-0320	LF	12" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	88.16 11.61 24.78 35.62 23.23	46.45
23 31 13	13-0321	LF	12" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	93.67 12.34 26.33 37.84 24.68	49.36
23 31 13	13-0322	LF	12" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	99.18 13.07 27.88 40.07 26.13	52.26
23 31 13	13-0323	LF	12" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	104.69 13.79 29.42 42.30 27.59	55.17

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0324 LF 12" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	110.19	58.08
For 3" WG (Class B), Add	14.52	
For 4" Or 6" WG (Class A), Add	30.97	
For 10" WG (Class A), Add	44.52	
For Work In Restricted Working Space, Add	29.03	
23 31 13 13-0325 LF 12" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	115.70	60.99
For 3" WG (Class B), Add	15.24	
For 4" Or 6" WG (Class A), Add	32.52	
For 10" WG (Class A), Add	46.75	
For Work In Restricted Working Space, Add	30.49	
23 31 13 13-0326 LF 12" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	121.21	63.87
For 3" WG (Class B), Add	15.97	
For 4" Or 6" WG (Class A), Add	34.07	
For 10" WG (Class A), Add	48.97	
For Work In Restricted Working Space, Add	31.94	
23 31 13 13-0327 LF 12" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	126.73	66.78
For 3" WG (Class B), Add	16.70	
For 4" Or 6" WG (Class A), Add	35.62	
For 10" WG (Class A), Add	51.20	
For Work In Restricted Working Space, Add	33.39	
23 31 13 13-0328 LF 12" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	132.23	69.69
For 3" WG (Class B), Add	17.42	
For 4" Or 6" WG (Class A), Add	37.16	
For 10" WG (Class A), Add	53.42	
For Work In Restricted Working Space, Add	34.84	
23 31 13 13-0329 LF 14" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	77.14	40.66
For 3" WG (Class B), Add	10.16	
For 4" Or 6" WG (Class A), Add	21.68	
For 10" WG (Class A), Add	31.17	
For Work In Restricted Working Space, Add	20.33	
23 31 13 13-0330 LF 14" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	82.65	43.56
For 3" WG (Class B), Add	10.89	
For 4" Or 6" WG (Class A), Add	23.23	
For 10" WG (Class A), Add	33.39	
For Work In Restricted Working Space, Add	21.78	
23 31 13 13-0331 LF 14" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	88.16	46.45
For 3" WG (Class B), Add	11.61	
For 4" Or 6" WG (Class A), Add	24.78	
For 10" WG (Class A), Add	35.62	
For Work In Restricted Working Space, Add	23.23	
23 31 13 13-0332 LF 14" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	93.67	49.36
For 3" WG (Class B), Add	12.34	
For 4" Or 6" WG (Class A), Add	26.33	
For 10" WG (Class A), Add	37.84	
For Work In Restricted Working Space, Add	24.68	
23 31 13 13-0333 LF 14" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	99.18	52.26
For 3" WG (Class B), Add	13.07	
For 4" Or 6" WG (Class A), Add	27.88	
For 10" WG (Class A), Add	40.07	
For Work In Restricted Working Space, Add	26.13	
23 31 13 13-0334 LF 14" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	104.69	55.17
For 3" WG (Class B), Add	13.79	
For 4" Or 6" WG (Class A), Add	29.42	
For 10" WG (Class A), Add	42.30	
For Work In Restricted Working Space, Add	27.59	
23 31 13 13-0335 LF 14" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	110.19	58.08
For 3" WG (Class B), Add	14.52	
For 4" Or 6" WG (Class A), Add	30.97	
For 10" WG (Class A), Add	44.52	
For Work In Restricted Working Space, Add	29.03	
23 31 13 13-0336 LF 14" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	115.70	60.99
For 3" WG (Class B), Add	15.24	
For 4" Or 6" WG (Class A), Add	32.52	
For 10" WG (Class A), Add	46.75	
For Work In Restricted Working Space, Add	30.49	
23 31 13 13-0337 LF 14" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	121.21	63.87
For 3" WG (Class B), Add	15.97	
For 4" Or 6" WG (Class A), Add	34.07	
For 10" WG (Class A), Add	48.97	
For Work In Restricted Working Space, Add	31.94	
23 31 13 13-0338 LF 14" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	126.73	66.78
For 3" WG (Class B), Add	16.70	
For 4" Or 6" WG (Class A), Add	35.62	
For 10" WG (Class A), Add	51.20	
For Work In Restricted Working Space, Add	33.39	
23 31 13 13-0339 LF 14" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	132.23	69.69
For 3" WG (Class B), Add	17.42	
For 4" Or 6" WG (Class A), Add	37.16	
For 10" WG (Class A), Add	53.42	
For Work In Restricted Working Space, Add	34.84	
23 31 13 13-0340 LF 14" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	137.75	72.59
For 3" WG (Class B), Add	18.15	
For 4" Or 6" WG (Class A), Add	38.72	
For 10" WG (Class A), Add	55.66	
For Work In Restricted Working Space, Add	36.30	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
HVAC Ducts and Casings			23 31

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0341	LF	16" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	88.16	46.45
			For 3" WG (Class B), Add	11.61	
			For 4" Or 6" WG (Class A), Add	24.78	
			For 10" WG (Class A), Add	35.62	
			For Work In Restricted Working Space, Add	23.23	
23 31 13	13-0342	LF	16" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	93.67	49.36
			For 3" WG (Class B), Add	12.34	
			For 4" Or 6" WG (Class A), Add	26.33	
			For 10" WG (Class A), Add	37.84	
			For Work In Restricted Working Space, Add	24.68	
23 31 13	13-0343	LF	16" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	99.18	52.26
			For 3" WG (Class B), Add	13.07	
			For 4" Or 6" WG (Class A), Add	27.88	
			For 10" WG (Class A), Add	40.07	
			For Work In Restricted Working Space, Add	26.13	
23 31 13	13-0344	LF	16" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	104.69	55.17
			For 3" WG (Class B), Add	13.79	
			For 4" Or 6" WG (Class A), Add	29.42	
			For 10" WG (Class A), Add	42.30	
			For Work In Restricted Working Space, Add	27.59	
23 31 13	13-0345	LF	16" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	110.19	58.08
			For 3" WG (Class B), Add	14.52	
			For 4" Or 6" WG (Class A), Add	30.97	
			For 10" WG (Class A), Add	44.52	
			For Work In Restricted Working Space, Add	29.03	
23 31 13	13-0346	LF	16" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	115.70	60.99
			For 3" WG (Class B), Add	15.24	
			For 4" Or 6" WG (Class A), Add	32.52	
			For 10" WG (Class A), Add	46.75	
			For Work In Restricted Working Space, Add	30.49	
23 31 13	13-0347	LF	16" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	121.21	63.87
			For 3" WG (Class B), Add	15.97	
			For 4" Or 6" WG (Class A), Add	34.07	
			For 10" WG (Class A), Add	48.97	
			For Work In Restricted Working Space, Add	31.94	
23 31 13	13-0348	LF	16" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	126.73	66.78
			For 3" WG (Class B), Add	16.70	
			For 4" Or 6" WG (Class A), Add	35.62	
			For 10" WG (Class A), Add	51.20	
			For Work In Restricted Working Space, Add	33.39	
23 31 13	13-0349	LF	16" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	132.23	69.69
			For 3" WG (Class B), Add	17.42	
			For 4" Or 6" WG (Class A), Add	37.16	
			For 10" WG (Class A), Add	53.42	
			For Work In Restricted Working Space, Add	34.84	
23 31 13	13-0350	LF	16" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	137.75	72.59
			For 3" WG (Class B), Add	18.15	
			For 4" Or 6" WG (Class A), Add	38.72	
			For 10" WG (Class A), Add	55.66	
			For Work In Restricted Working Space, Add	36.30	
23 31 13	13-0351	LF	16" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	143.26	75.50
			For 3" WG (Class B), Add	18.87	
			For 4" Or 6" WG (Class A), Add	40.27	
			For 10" WG (Class A), Add	57.88	
			For Work In Restricted Working Space, Add	37.75	
23 31 13	13-0352	LF	16" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	148.77	78.41
			For 3" WG (Class B), Add	19.60	
			For 4" Or 6" WG (Class A), Add	41.81	
			For 10" WG (Class A), Add	60.11	
			For Work In Restricted Working Space, Add	39.20	
23 31 13	13-0353	LF	16" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	154.27	81.29
			For 3" WG (Class B), Add	20.33	
			For 4" Or 6" WG (Class A), Add	43.36	
			For 10" WG (Class A), Add	62.33	
			For Work In Restricted Working Space, Add	40.65	
23 31 13	13-0354	LF	16" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	159.78	84.20
			For 3" WG (Class B), Add	21.05	
			For 4" Or 6" WG (Class A), Add	44.91	
			For 10" WG (Class A), Add	64.56	
			For Work In Restricted Working Space, Add	42.10	
23 31 13	13-0355	LF	16" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	165.30	87.11
			For 3" WG (Class B), Add	21.78	
			For 4" Or 6" WG (Class A), Add	46.46	
			For 10" WG (Class A), Add	66.79	
			For Work In Restricted Working Space, Add	43.56	
23 31 13	13-0356	LF	18" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	99.18	52.26
			For 3" WG (Class B), Add	13.07	
			For 4" Or 6" WG (Class A), Add	27.88	
			For 10" WG (Class A), Add	40.07	
			For Work In Restricted Working Space, Add	26.13	
23 31 13	13-0357	LF	18" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	104.69	55.17
			For 3" WG (Class B), Add	13.79	
			For 4" Or 6" WG (Class A), Add	29.42	
			For 10" WG (Class A), Add	42.30	
			For Work In Restricted Working Space, Add	27.59	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0358	LF	18" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	110.19	58.08
		For 3" WG (Class B), Add	14.52	
		For 4" Or 6" WG (Class A), Add	30.97	
		For 10" WG (Class A), Add	44.52	
		For Work In Restricted Working Space, Add	29.03	
23 31 13 13-0359	LF	18" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	115.70	60.99
		For 3" WG (Class B), Add	15.24	
		For 4" Or 6" WG (Class A), Add	32.52	
		For 10" WG (Class A), Add	46.75	
		For Work In Restricted Working Space, Add	30.49	
23 31 13 13-0360	LF	18" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	121.21	63.87
		For 3" WG (Class B), Add	15.97	
		For 4" Or 6" WG (Class A), Add	34.07	
		For 10" WG (Class A), Add	48.97	
		For Work In Restricted Working Space, Add	31.94	
23 31 13 13-0361	LF	18" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	126.73	66.78
		For 3" WG (Class B), Add	16.70	
		For 4" Or 6" WG (Class A), Add	35.62	
		For 10" WG (Class A), Add	51.20	
		For Work In Restricted Working Space, Add	33.39	
23 31 13 13-0362	LF	18" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	132.23	69.69
		For 3" WG (Class B), Add	17.42	
		For 4" Or 6" WG (Class A), Add	37.16	
		For 10" WG (Class A), Add	53.42	
		For Work In Restricted Working Space, Add	34.84	
23 31 13 13-0363	LF	18" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	137.75	72.59
		For 3" WG (Class B), Add	18.15	
		For 4" Or 6" WG (Class A), Add	38.72	
		For 10" WG (Class A), Add	55.66	
		For Work In Restricted Working Space, Add	36.30	
23 31 13 13-0364	LF	18" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	143.26	75.50
		For 3" WG (Class B), Add	18.87	
		For 4" Or 6" WG (Class A), Add	40.27	
		For 10" WG (Class A), Add	57.88	
		For Work In Restricted Working Space, Add	37.75	
23 31 13 13-0365	LF	18" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	148.77	78.41
		For 3" WG (Class B), Add	19.60	
		For 4" Or 6" WG (Class A), Add	41.81	
		For 10" WG (Class A), Add	60.11	
		For Work In Restricted Working Space, Add	39.20	
23 31 13 13-0366	LF	18" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	154.27	81.29
		For 3" WG (Class B), Add	20.33	
		For 4" Or 6" WG (Class A), Add	43.36	
		For 10" WG (Class A), Add	62.33	
		For Work In Restricted Working Space, Add	40.65	
23 31 13 13-0367	LF	18" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	159.78	84.20
		For 3" WG (Class B), Add	21.05	
		For 4" Or 6" WG (Class A), Add	44.91	
		For 10" WG (Class A), Add	64.56	
		For Work In Restricted Working Space, Add	42.10	
23 31 13 13-0368	LF	18" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	165.30	87.11
		For 3" WG (Class B), Add	21.78	
		For 4" Or 6" WG (Class A), Add	46.46	
		For 10" WG (Class A), Add	66.79	
		For Work In Restricted Working Space, Add	43.56	
23 31 13 13-0369	LF	18" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	170.80	90.01
		For 3" WG (Class B), Add	22.50	
		For 4" Or 6" WG (Class A), Add	48.01	
		For 10" WG (Class A), Add	69.01	
		For Work In Restricted Working Space, Add	45.01	
23 31 13 13-0370	LF	18" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	176.31	92.92
		For 3" WG (Class B), Add	23.23	
		For 4" Or 6" WG (Class A), Add	49.56	
		For 10" WG (Class A), Add	71.24	
		For Work In Restricted Working Space, Add	46.46	
23 31 13 13-0371	LF	20" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	110.19	58.08
		For 3" WG (Class B), Add	14.52	
		For 4" Or 6" WG (Class A), Add	30.97	
		For 10" WG (Class A), Add	44.52	
		For Work In Restricted Working Space, Add	29.03	
23 31 13 13-0372	LF	20" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	115.70	60.99
		For 3" WG (Class B), Add	15.24	
		For 4" Or 6" WG (Class A), Add	32.52	
		For 10" WG (Class A), Add	46.75	
		For Work In Restricted Working Space, Add	30.49	
23 31 13 13-0373	LF	20" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	121.21	63.87
		For 3" WG (Class B), Add	15.97	
		For 4" Or 6" WG (Class A), Add	34.07	
		For 10" WG (Class A), Add	48.97	
		For Work In Restricted Working Space, Add	31.94	
23 31 13 13-0374	LF	20" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	126.73	66.78
		For 3" WG (Class B), Add	16.70	
		For 4" Or 6" WG (Class A), Add	35.62	
		For 10" WG (Class A), Add	51.20	
		For Work In Restricted Working Space, Add	33.39	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Air Distribution			23 30	
HVAC Ducts and Casings			23 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0375	LF	20" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	132.23	69.69
			For 3" WG (Class B), Add	17.42	
			For 4" Or 6" WG (Class A), Add	37.16	
			For 10" WG (Class A), Add	53.42	
			For Work In Restricted Working Space, Add	34.84	
23 31 13	13-0376	LF	20" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	137.75	72.59
			For 3" WG (Class B), Add	18.15	
			For 4" Or 6" WG (Class A), Add	38.72	
			For 10" WG (Class A), Add	55.66	
			For Work In Restricted Working Space, Add	36.30	
23 31 13	13-0377	LF	20" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	143.26	75.50
			For 3" WG (Class B), Add	18.87	
			For 4" Or 6" WG (Class A), Add	40.27	
			For 10" WG (Class A), Add	57.88	
			For Work In Restricted Working Space, Add	37.75	
23 31 13	13-0378	LF	20" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	148.77	78.41
			For 3" WG (Class B), Add	19.60	
			For 4" Or 6" WG (Class A), Add	41.81	
			For 10" WG (Class A), Add	60.11	
			For Work In Restricted Working Space, Add	39.20	
23 31 13	13-0379	LF	20" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	154.27	81.29
			For 3" WG (Class B), Add	20.33	
			For 4" Or 6" WG (Class A), Add	43.36	
			For 10" WG (Class A), Add	62.33	
			For Work In Restricted Working Space, Add	40.65	
23 31 13	13-0380	LF	20" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	159.78	84.20
			For 3" WG (Class B), Add	21.05	
			For 4" Or 6" WG (Class A), Add	44.91	
			For 10" WG (Class A), Add	64.56	
			For Work In Restricted Working Space, Add	42.10	
23 31 13	13-0381	LF	20" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	165.30	87.11
			For 3" WG (Class B), Add	21.78	
			For 4" Or 6" WG (Class A), Add	46.46	
			For 10" WG (Class A), Add	66.79	
			For Work In Restricted Working Space, Add	43.56	
23 31 13	13-0382	LF	20" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	170.80	90.01
			For 3" WG (Class B), Add	22.50	
			For 4" Or 6" WG (Class A), Add	48.01	
			For 10" WG (Class A), Add	69.01	
			For Work In Restricted Working Space, Add	45.01	
23 31 13	13-0383	LF	20" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	176.31	92.92
			For 3" WG (Class B), Add	23.23	
			For 4" Or 6" WG (Class A), Add	49.56	
			For 10" WG (Class A), Add	71.24	
			For Work In Restricted Working Space, Add	46.46	
23 31 13	13-0384	LF	20" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	181.82	95.83
			For 3" WG (Class B), Add	23.96	
			For 4" Or 6" WG (Class A), Add	51.10	
			For 10" WG (Class A), Add	73.46	
			For Work In Restricted Working Space, Add	47.91	
23 31 13	13-0385	LF	20" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	187.34	98.72
			For 3" WG (Class B), Add	24.68	
			For 4" Or 6" WG (Class A), Add	52.65	
			For 10" WG (Class A), Add	75.69	
			For Work In Restricted Working Space, Add	49.36	
23 31 13	13-0386	LF	22" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	121.21	63.87
			For 3" WG (Class B), Add	15.97	
			For 4" Or 6" WG (Class A), Add	34.07	
			For 10" WG (Class A), Add	48.97	
			For Work In Restricted Working Space, Add	31.94	
23 31 13	13-0387	LF	22" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	126.73	66.78
			For 3" WG (Class B), Add	16.70	
			For 4" Or 6" WG (Class A), Add	35.62	
			For 10" WG (Class A), Add	51.20	
			For Work In Restricted Working Space, Add	33.39	
23 31 13	13-0388	LF	22" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	132.23	69.69
			For 3" WG (Class B), Add	17.42	
			For 4" Or 6" WG (Class A), Add	37.16	
			For 10" WG (Class A), Add	53.42	
			For Work In Restricted Working Space, Add	34.84	
23 31 13	13-0389	LF	22" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	137.75	72.59
			For 3" WG (Class B), Add	18.15	
			For 4" Or 6" WG (Class A), Add	38.72	
			For 10" WG (Class A), Add	55.66	
			For Work In Restricted Working Space, Add	36.30	
23 31 13	13-0390	LF	22" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	143.26	75.50
			For 3" WG (Class B), Add	18.87	
			For 4" Or 6" WG (Class A), Add	40.27	
			For 10" WG (Class A), Add	57.88	
			For Work In Restricted Working Space, Add	37.75	
23 31 13	13-0391	LF	22" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	148.77	78.41
			For 3" WG (Class B), Add	19.60	
			For 4" Or 6" WG (Class A), Add	41.81	
			For 10" WG (Class A), Add	60.11	
			For Work In Restricted Working Space, Add	39.20	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0392 LF 22" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	154.27	81.29
For 3" WG (Class B), Add	20.33	
For 4" Or 6" WG (Class A), Add	43.36	
For 10" WG (Class A), Add	62.33	
For Work In Restricted Working Space, Add	40.65	
23 31 13 13-0393 LF 22" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	159.78	84.20
For 3" WG (Class B), Add	21.05	
For 4" Or 6" WG (Class A), Add	44.91	
For 10" WG (Class A), Add	64.56	
For Work In Restricted Working Space, Add	42.10	
23 31 13 13-0394 LF 22" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	165.30	87.11
For 3" WG (Class B), Add	21.78	
For 4" Or 6" WG (Class A), Add	46.46	
For 10" WG (Class A), Add	66.79	
For Work In Restricted Working Space, Add	43.56	
23 31 13 13-0395 LF 22" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	170.80	90.01
For 3" WG (Class B), Add	22.50	
For 4" Or 6" WG (Class A), Add	48.01	
For 10" WG (Class A), Add	69.01	
For Work In Restricted Working Space, Add	45.01	
23 31 13 13-0396 LF 22" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	176.31	92.92
For 3" WG (Class B), Add	23.23	
For 4" Or 6" WG (Class A), Add	49.56	
For 10" WG (Class A), Add	71.24	
For Work In Restricted Working Space, Add	46.46	
23 31 13 13-0397 LF 22" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	181.82	95.83
For 3" WG (Class B), Add	23.96	
For 4" Or 6" WG (Class A), Add	51.10	
For 10" WG (Class A), Add	73.46	
For Work In Restricted Working Space, Add	47.91	
23 31 13 13-0398 LF 22" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	187.34	98.72
For 3" WG (Class B), Add	24.68	
For 4" Or 6" WG (Class A), Add	52.65	
For 10" WG (Class A), Add	75.69	
For Work In Restricted Working Space, Add	49.36	
23 31 13 13-0399 LF 22" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	192.84	101.62
For 3" WG (Class B), Add	25.41	
For 4" Or 6" WG (Class A), Add	54.20	
For 10" WG (Class A), Add	77.91	
For Work In Restricted Working Space, Add	50.81	
23 31 13 13-0400 LF 24" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	132.23	69.69
For 3" WG (Class B), Add	17.42	
For 4" Or 6" WG (Class A), Add	37.16	
For 10" WG (Class A), Add	53.42	
For Work In Restricted Working Space, Add	34.84	
23 31 13 13-0401 LF 24" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	137.75	72.59
For 3" WG (Class B), Add	18.15	
For 4" Or 6" WG (Class A), Add	38.72	
For 10" WG (Class A), Add	55.66	
For Work In Restricted Working Space, Add	36.30	
23 31 13 13-0402 LF 24" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	143.26	75.50
For 3" WG (Class B), Add	18.87	
For 4" Or 6" WG (Class A), Add	40.27	
For 10" WG (Class A), Add	57.88	
For Work In Restricted Working Space, Add	37.75	
23 31 13 13-0403 LF 24" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	148.77	78.41
For 3" WG (Class B), Add	19.60	
For 4" Or 6" WG (Class A), Add	41.81	
For 10" WG (Class A), Add	60.11	
For Work In Restricted Working Space, Add	39.20	
23 31 13 13-0404 LF 24" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	154.27	81.29
For 3" WG (Class B), Add	20.33	
For 4" Or 6" WG (Class A), Add	43.36	
For 10" WG (Class A), Add	62.33	
For Work In Restricted Working Space, Add	40.65	
23 31 13 13-0405 LF 24" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	159.78	84.20
For 3" WG (Class B), Add	21.05	
For 4" Or 6" WG (Class A), Add	44.91	
For 10" WG (Class A), Add	64.56	
For Work In Restricted Working Space, Add	42.10	
23 31 13 13-0406 LF 24" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	165.30	87.11
For 3" WG (Class B), Add	21.78	
For 4" Or 6" WG (Class A), Add	46.46	
For 10" WG (Class A), Add	66.79	
For Work In Restricted Working Space, Add	43.56	
23 31 13 13-0407 LF 24" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	170.80	90.01
For 3" WG (Class B), Add	22.50	
For 4" Or 6" WG (Class A), Add	48.01	
For 10" WG (Class A), Add	69.01	
For Work In Restricted Working Space, Add	45.01	
23 31 13 13-0408 LF 24" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	176.31	92.92
For 3" WG (Class B), Add	23.23	
For 4" Or 6" WG (Class A), Add	49.56	
For 10" WG (Class A), Add	71.24	
For Work In Restricted Working Space, Add	46.46	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
HVAC Ducts and Casings			23 31

23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13	13-0409	LF 24" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	181.82 23.96 51.10 73.46 47.91	95.83
23 31	13	13-0410	LF 24" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	187.34 24.68 52.65 75.69 49.36	98.72
23 31	13	13-0411	LF 24" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	192.84 25.41 54.20 77.91 50.81	101.62
23 31	13	13-0412	LF 24" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	198.35 26.13 55.75 80.14 52.26	104.53
23 31	13	13-0413	LF 26" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	143.26 18.87 40.27 57.88 37.75	75.50
23 31	13	13-0414	LF 26" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	148.77 19.60 41.81 60.11 39.20	78.41
23 31	13	13-0415	LF 26" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	154.27 20.33 43.36 62.33 40.65	81.29
23 31	13	13-0416	LF 26" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	159.78 21.05 44.91 64.56 42.10	84.20
23 31	13	13-0417	LF 26" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	165.30 21.78 46.46 66.79 43.56	87.11
23 31	13	13-0418	LF 26" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	170.80 22.50 48.01 69.01 45.01	90.01
23 31	13	13-0419	LF 26" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	176.31 23.23 49.56 71.24 46.46	92.92
23 31	13	13-0420	LF 26" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	181.82 23.96 51.10 73.46 47.91	95.83
23 31	13	13-0421	LF 26" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	187.34 24.68 52.65 75.69 49.36	98.72
23 31	13	13-0422	LF 26" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	192.84 25.41 54.20 77.91 50.81	101.62
23 31	13	13-0423	LF 26" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	198.35 26.13 55.75 80.14 52.26	104.53
23 31	13	13-0424	LF 26" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	203.87 26.86 57.30 82.37 53.72	107.44
23 31	13	13-0425	LF 28" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	154.27 20.33 43.36 62.33 40.65	81.29

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0426 LF 28" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	159.78	84.20
For 3" WG (Class B), Add	21.05	
For 4" Or 6" WG (Class A), Add	44.91	
For 10" WG (Class A), Add	64.56	
For Work In Restricted Working Space, Add	42.10	
23 31 13 13-0427 LF 28" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	165.30	87.11
For 3" WG (Class B), Add	21.78	
For 4" Or 6" WG (Class A), Add	46.46	
For 10" WG (Class A), Add	66.79	
For Work In Restricted Working Space, Add	43.56	
23 31 13 13-0428 LF 28" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	170.80	90.01
For 3" WG (Class B), Add	22.50	
For 4" Or 6" WG (Class A), Add	48.01	
For 10" WG (Class A), Add	69.01	
For Work In Restricted Working Space, Add	45.01	
23 31 13 13-0429 LF 28" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	176.31	92.92
For 3" WG (Class B), Add	23.23	
For 4" Or 6" WG (Class A), Add	49.56	
For 10" WG (Class A), Add	71.24	
For Work In Restricted Working Space, Add	46.46	
23 31 13 13-0430 LF 28" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	181.82	95.83
For 3" WG (Class B), Add	23.96	
For 4" Or 6" WG (Class A), Add	51.10	
For 10" WG (Class A), Add	73.46	
For Work In Restricted Working Space, Add	47.91	
23 31 13 13-0431 LF 28" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	187.34	98.72
For 3" WG (Class B), Add	24.68	
For 4" Or 6" WG (Class A), Add	52.65	
For 10" WG (Class A), Add	75.69	
For Work In Restricted Working Space, Add	49.36	
23 31 13 13-0432 LF 28" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	192.84	101.62
For 3" WG (Class B), Add	25.41	
For 4" Or 6" WG (Class A), Add	54.20	
For 10" WG (Class A), Add	77.91	
For Work In Restricted Working Space, Add	50.81	
23 31 13 13-0433 LF 28" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	198.35	104.53
For 3" WG (Class B), Add	26.13	
For 4" Or 6" WG (Class A), Add	55.75	
For 10" WG (Class A), Add	80.14	
For Work In Restricted Working Space, Add	52.26	
23 31 13 13-0434 LF 28" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	203.87	107.44
For 3" WG (Class B), Add	26.86	
For 4" Or 6" WG (Class A), Add	57.30	
For 10" WG (Class A), Add	82.37	
For Work In Restricted Working Space, Add	53.72	
23 31 13 13-0435 LF 28" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	209.38	110.34
For 3" WG (Class B), Add	27.59	
For 4" Or 6" WG (Class A), Add	58.85	
For 10" WG (Class A), Add	84.59	
For Work In Restricted Working Space, Add	55.17	
23 31 13 13-0436 LF 30" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	165.30	87.11
For 3" WG (Class B), Add	21.78	
For 4" Or 6" WG (Class A), Add	46.46	
For 10" WG (Class A), Add	66.79	
For Work In Restricted Working Space, Add	43.56	
23 31 13 13-0437 LF 30" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	170.80	90.01
For 3" WG (Class B), Add	22.50	
For 4" Or 6" WG (Class A), Add	48.01	
For 10" WG (Class A), Add	69.01	
For Work In Restricted Working Space, Add	45.01	
23 31 13 13-0438 LF 30" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	176.31	92.92
For 3" WG (Class B), Add	23.23	
For 4" Or 6" WG (Class A), Add	49.56	
For 10" WG (Class A), Add	71.24	
For Work In Restricted Working Space, Add	46.46	
23 31 13 13-0439 LF 30" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	181.82	95.83
For 3" WG (Class B), Add	23.96	
For 4" Or 6" WG (Class A), Add	51.10	
For 10" WG (Class A), Add	73.46	
For Work In Restricted Working Space, Add	47.91	
23 31 13 13-0440 LF 30" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	187.34	98.72
For 3" WG (Class B), Add	24.68	
For 4" Or 6" WG (Class A), Add	52.65	
For 10" WG (Class A), Add	75.69	
For Work In Restricted Working Space, Add	49.36	
23 31 13 13-0441 LF 30" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	192.84	101.62
For 3" WG (Class B), Add	25.41	
For 4" Or 6" WG (Class A), Add	54.20	
For 10" WG (Class A), Add	77.91	
For Work In Restricted Working Space, Add	50.81	
23 31 13 13-0442 LF 30" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	198.35	104.53
For 3" WG (Class B), Add	26.13	
For 4" Or 6" WG (Class A), Add	55.75	
For 10" WG (Class A), Add	80.14	
For Work In Restricted Working Space, Add	52.26	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
HVAC Ducts and Casings			23 31

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0443	LF	30" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	203.87	107.44
			For 3" WG (Class B), Add	26.86	
			For 4" Or 6" WG (Class A), Add	57.30	
			For 10" WG (Class A), Add	82.37	
			For Work In Restricted Working Space, Add	53.72	
23 31 13	13-0444	LF	30" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	209.38	110.34
			For 3" WG (Class B), Add	27.59	
			For 4" Or 6" WG (Class A), Add	58.85	
			For 10" WG (Class A), Add	84.59	
			For Work In Restricted Working Space, Add	55.17	
23 31 13	13-0445	LF	30" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	214.88	113.25
			For 3" WG (Class B), Add	28.31	
			For 4" Or 6" WG (Class A), Add	60.39	
			For 10" WG (Class A), Add	86.82	
			For Work In Restricted Working Space, Add	56.62	
23 31 13	13-0446	LF	32" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	176.31	92.92
			For 3" WG (Class B), Add	28.23	
			For 4" Or 6" WG (Class A), Add	49.56	
			For 10" WG (Class A), Add	71.24	
			For Work In Restricted Working Space, Add	46.46	
23 31 13	13-0447	LF	32" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	181.82	95.83
			For 3" WG (Class B), Add	23.96	
			For 4" Or 6" WG (Class A), Add	51.10	
			For 10" WG (Class A), Add	73.46	
			For Work In Restricted Working Space, Add	47.91	
23 31 13	13-0448	LF	32" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	187.34	98.72
			For 3" WG (Class B), Add	24.68	
			For 4" Or 6" WG (Class A), Add	52.65	
			For 10" WG (Class A), Add	75.69	
			For Work In Restricted Working Space, Add	49.36	
23 31 13	13-0449	LF	32" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	192.84	101.62
			For 3" WG (Class B), Add	25.41	
			For 4" Or 6" WG (Class A), Add	54.20	
			For 10" WG (Class A), Add	77.91	
			For Work In Restricted Working Space, Add	50.81	
23 31 13	13-0450	LF	32" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	198.35	104.53
			For 3" WG (Class B), Add	26.13	
			For 4" Or 6" WG (Class A), Add	55.75	
			For 10" WG (Class A), Add	80.14	
			For Work In Restricted Working Space, Add	52.26	
23 31 13	13-0451	LF	32" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	203.87	107.44
			For 3" WG (Class B), Add	26.86	
			For 4" Or 6" WG (Class A), Add	57.30	
			For 10" WG (Class A), Add	82.37	
			For Work In Restricted Working Space, Add	53.72	
23 31 13	13-0452	LF	32" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	209.38	110.34
			For 3" WG (Class B), Add	27.59	
			For 4" Or 6" WG (Class A), Add	58.85	
			For 10" WG (Class A), Add	84.59	
			For Work In Restricted Working Space, Add	55.17	
23 31 13	13-0453	LF	32" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	214.88	113.25
			For 3" WG (Class B), Add	28.31	
			For 4" Or 6" WG (Class A), Add	60.39	
			For 10" WG (Class A), Add	86.82	
			For Work In Restricted Working Space, Add	56.62	
23 31 13	13-0454	LF	32" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	220.39	116.14
			For 3" WG (Class B), Add	29.04	
			For 4" Or 6" WG (Class A), Add	61.94	
			For 10" WG (Class A), Add	89.04	
			For Work In Restricted Working Space, Add	58.07	
23 31 13	13-0455	LF	34" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	187.34	98.72
			For 3" WG (Class B), Add	24.68	
			For 4" Or 6" WG (Class A), Add	52.65	
			For 10" WG (Class A), Add	75.69	
			For Work In Restricted Working Space, Add	49.36	
23 31 13	13-0456	LF	34" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	192.84	101.62
			For 3" WG (Class B), Add	25.41	
			For 4" Or 6" WG (Class A), Add	54.20	
			For 10" WG (Class A), Add	77.91	
			For Work In Restricted Working Space, Add	50.81	
23 31 13	13-0457	LF	34" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	198.35	104.53
			For 3" WG (Class B), Add	26.13	
			For 4" Or 6" WG (Class A), Add	55.75	
			For 10" WG (Class A), Add	80.14	
			For Work In Restricted Working Space, Add	52.26	
23 31 13	13-0458	LF	34" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	203.87	107.44
			For 3" WG (Class B), Add	26.86	
			For 4" Or 6" WG (Class A), Add	57.30	
			For 10" WG (Class A), Add	82.37	
			For Work In Restricted Working Space, Add	53.72	
23 31 13	13-0459	LF	34" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	209.38	110.34
			For 3" WG (Class B), Add	27.59	
			For 4" Or 6" WG (Class A), Add	58.85	
			For 10" WG (Class A), Add	84.59	
			For Work In Restricted Working Space, Add	55.17	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0460	LF	34" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	214.88	113.25
		For 3" WG (Class B), Add	28.31	
		For 4" Or 6" WG (Class A), Add	60.39	
		For 10" WG (Class A), Add	86.82	
		For Work In Restricted Working Space, Add	56.62	
23 31 13 13-0461	LF	34" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	220.39	116.14
		For 3" WG (Class B), Add	29.04	
		For 4" Or 6" WG (Class A), Add	61.94	
		For 10" WG (Class A), Add	89.04	
		For Work In Restricted Working Space, Add	58.07	
23 31 13 13-0462	LF	34" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	225.91	119.04
		For 3" WG (Class B), Add	29.76	
		For 4" Or 6" WG (Class A), Add	63.49	
		For 10" WG (Class A), Add	91.27	
		For Work In Restricted Working Space, Add	59.53	
23 31 13 13-0463	LF	36" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	198.35	104.53
		For 3" WG (Class B), Add	26.13	
		For 4" Or 6" WG (Class A), Add	55.75	
		For 10" WG (Class A), Add	80.14	
		For Work In Restricted Working Space, Add	52.26	
23 31 13 13-0464	LF	36" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	203.87	107.44
		For 3" WG (Class B), Add	26.86	
		For 4" Or 6" WG (Class A), Add	57.30	
		For 10" WG (Class A), Add	82.37	
		For Work In Restricted Working Space, Add	53.72	
23 31 13 13-0465	LF	36" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	209.38	110.34
		For 3" WG (Class B), Add	27.59	
		For 4" Or 6" WG (Class A), Add	58.85	
		For 10" WG (Class A), Add	84.59	
		For Work In Restricted Working Space, Add	55.17	
23 31 13 13-0466	LF	36" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	214.88	113.25
		For 3" WG (Class B), Add	28.31	
		For 4" Or 6" WG (Class A), Add	60.39	
		For 10" WG (Class A), Add	86.82	
		For Work In Restricted Working Space, Add	56.62	
23 31 13 13-0467	LF	36" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	220.39	116.14
		For 3" WG (Class B), Add	29.04	
		For 4" Or 6" WG (Class A), Add	61.94	
		For 10" WG (Class A), Add	89.04	
		For Work In Restricted Working Space, Add	58.07	
23 31 13 13-0468	LF	36" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	225.91	119.04
		For 3" WG (Class B), Add	29.76	
		For 4" Or 6" WG (Class A), Add	63.49	
		For 10" WG (Class A), Add	91.27	
		For Work In Restricted Working Space, Add	59.53	
23 31 13 13-0469	LF	36" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	231.41	121.95
		For 3" WG (Class B), Add	30.49	
		For 4" Or 6" WG (Class A), Add	65.04	
		For 10" WG (Class A), Add	93.50	
		For Work In Restricted Working Space, Add	60.98	
23 31 13 13-0470	LF	38" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	209.38	110.34
		For 3" WG (Class B), Add	27.59	
		For 4" Or 6" WG (Class A), Add	58.85	
		For 10" WG (Class A), Add	84.59	
		For Work In Restricted Working Space, Add	55.17	
23 31 13 13-0471	LF	38" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	214.88	113.25
		For 3" WG (Class B), Add	28.31	
		For 4" Or 6" WG (Class A), Add	60.39	
		For 10" WG (Class A), Add	86.82	
		For Work In Restricted Working Space, Add	56.62	
23 31 13 13-0472	LF	38" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	220.39	116.14
		For 3" WG (Class B), Add	29.04	
		For 4" Or 6" WG (Class A), Add	61.94	
		For 10" WG (Class A), Add	89.04	
		For Work In Restricted Working Space, Add	58.07	
23 31 13 13-0473	LF	38" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	225.91	119.04
		For 3" WG (Class B), Add	29.76	
		For 4" Or 6" WG (Class A), Add	63.49	
		For 10" WG (Class A), Add	91.27	
		For Work In Restricted Working Space, Add	59.53	
23 31 13 13-0474	LF	38" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	231.41	121.95
		For 3" WG (Class B), Add	30.49	
		For 4" Or 6" WG (Class A), Add	65.04	
		For 10" WG (Class A), Add	93.50	
		For Work In Restricted Working Space, Add	60.98	
23 31 13 13-0475	LF	38" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	236.93	124.86
		For 3" WG (Class B), Add	31.22	
		For 4" Or 6" WG (Class A), Add	66.59	
		For 10" WG (Class A), Add	95.73	
		For Work In Restricted Working Space, Add	62.43	
23 31 13 13-0476	LF	38" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	242.44	127.76
		For 3" WG (Class B), Add	31.94	
		For 4" Or 6" WG (Class A), Add	68.14	
		For 10" WG (Class A), Add	97.95	
		For Work In Restricted Working Space, Add	63.88	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Air Distribution			23 30	
HVAC Ducts and Casings			23 31	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
23 31 13 13-0477	LF	40" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	220.39	116.14
		For 3" WG (Class B), Add	29.04	
		For 4" Or 6" WG (Class A), Add	61.94	
		For 10" WG (Class A), Add	89.04	
		For Work In Restricted Working Space, Add	58.07	
23 31 13 13-0478	LF	40" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	225.91	119.04
		For 3" WG (Class B), Add	29.76	
		For 4" Or 6" WG (Class A), Add	63.49	
		For 10" WG (Class A), Add	91.27	
		For Work In Restricted Working Space, Add	59.53	
23 31 13 13-0479	LF	40" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	231.41	121.95
		For 3" WG (Class B), Add	30.49	
		For 4" Or 6" WG (Class A), Add	65.04	
		For 10" WG (Class A), Add	93.50	
		For Work In Restricted Working Space, Add	60.98	
23 31 13 13-0480	LF	40" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	236.93	124.86
		For 3" WG (Class B), Add	31.22	
		For 4" Or 6" WG (Class A), Add	66.59	
		For 10" WG (Class A), Add	95.73	
		For Work In Restricted Working Space, Add	62.43	
23 31 13 13-0481	LF	40" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	242.44	127.76
		For 3" WG (Class B), Add	31.94	
		For 4" Or 6" WG (Class A), Add	68.14	
		For 10" WG (Class A), Add	97.95	
		For Work In Restricted Working Space, Add	63.88	
23 31 13 13-0482	LF	40" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	247.95	130.67
		For 3" WG (Class B), Add	32.67	
		For 4" Or 6" WG (Class A), Add	69.69	
		For 10" WG (Class A), Add	100.18	
		For Work In Restricted Working Space, Add	65.33	
23 31 13 13-0483	LF	40" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	253.45	133.56
		For 3" WG (Class B), Add	33.39	
		For 4" Or 6" WG (Class A), Add	71.24	
		For 10" WG (Class A), Add	102.40	
		For Work In Restricted Working Space, Add	66.78	
23 31 13 13-0484	LF	40" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	258.96	136.46
		For 3" WG (Class B), Add	34.12	
		For 4" Or 6" WG (Class A), Add	72.78	
		For 10" WG (Class A), Add	104.63	
		For Work In Restricted Working Space, Add	68.24	
23 31 13 13-0485	LF	42" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	231.41	121.95
		For 3" WG (Class B), Add	30.49	
		For 4" Or 6" WG (Class A), Add	65.04	
		For 10" WG (Class A), Add	93.50	
		For Work In Restricted Working Space, Add	60.98	
23 31 13 13-0486	LF	42" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	236.93	124.86
		For 3" WG (Class B), Add	31.22	
		For 4" Or 6" WG (Class A), Add	66.59	
		For 10" WG (Class A), Add	95.73	
		For Work In Restricted Working Space, Add	62.43	
23 31 13 13-0487	LF	42" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	242.44	127.76
		For 3" WG (Class B), Add	31.94	
		For 4" Or 6" WG (Class A), Add	68.14	
		For 10" WG (Class A), Add	97.95	
		For Work In Restricted Working Space, Add	63.88	
23 31 13 13-0488	LF	42" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	247.95	130.67
		For 3" WG (Class B), Add	32.67	
		For 4" Or 6" WG (Class A), Add	69.69	
		For 10" WG (Class A), Add	100.18	
		For Work In Restricted Working Space, Add	65.33	
23 31 13 13-0489	LF	42" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	253.45	133.56
		For 3" WG (Class B), Add	33.39	
		For 4" Or 6" WG (Class A), Add	71.24	
		For 10" WG (Class A), Add	102.40	
		For Work In Restricted Working Space, Add	66.78	
23 31 13 13-0490	LF	42" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	258.96	136.46
		For 3" WG (Class B), Add	34.12	
		For 4" Or 6" WG (Class A), Add	72.78	
		For 10" WG (Class A), Add	104.63	
		For Work In Restricted Working Space, Add	68.24	
23 31 13 13-0491	LF	42" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	264.47	139.37
		For 3" WG (Class B), Add	34.84	
		For 4" Or 6" WG (Class A), Add	74.33	
		For 10" WG (Class A), Add	106.85	
		For Work In Restricted Working Space, Add	69.69	
23 31 13 13-0492	LF	44" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	242.44	127.76
		For 3" WG (Class B), Add	31.94	
		For 4" Or 6" WG (Class A), Add	68.14	
		For 10" WG (Class A), Add	97.95	
		For Work In Restricted Working Space, Add	63.88	
23 31 13 13-0493	LF	44" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	247.95	130.67
		For 3" WG (Class B), Add	32.67	
		For 4" Or 6" WG (Class A), Add	69.69	
		For 10" WG (Class A), Add	100.18	
		For Work In Restricted Working Space, Add	65.33	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0494	LF	44" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	253.45	133.56
		For 3" WG (Class B), Add	33.39	
		For 4" Or 6" WG (Class A), Add	71.24	
		For 10" WG (Class A), Add	102.40	
		For Work In Restricted Working Space, Add	66.78	
23 31 13 13-0495	LF	44" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	258.96	136.46
		For 3" WG (Class B), Add	34.12	
		For 4" Or 6" WG (Class A), Add	72.78	
		For 10" WG (Class A), Add	104.63	
		For Work In Restricted Working Space, Add	68.24	
23 31 13 13-0496	LF	44" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	264.47	139.37
		For 3" WG (Class B), Add	34.84	
		For 4" Or 6" WG (Class A), Add	74.33	
		For 10" WG (Class A), Add	106.85	
		For Work In Restricted Working Space, Add	69.69	
23 31 13 13-0497	LF	44" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	269.97	142.28
		For 3" WG (Class B), Add	35.57	
		For 4" Or 6" WG (Class A), Add	75.88	
		For 10" WG (Class A), Add	109.08	
		For Work In Restricted Working Space, Add	71.14	
23 31 13 13-0498	LF	46" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	253.45	133.56
		For 3" WG (Class B), Add	33.39	
		For 4" Or 6" WG (Class A), Add	71.24	
		For 10" WG (Class A), Add	102.40	
		For Work In Restricted Working Space, Add	66.78	
23 31 13 13-0499	LF	46" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	258.96	136.46
		For 3" WG (Class B), Add	34.12	
		For 4" Or 6" WG (Class A), Add	72.78	
		For 10" WG (Class A), Add	104.63	
		For Work In Restricted Working Space, Add	68.24	
23 31 13 13-0500	LF	46" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	264.47	139.37
		For 3" WG (Class B), Add	34.84	
		For 4" Or 6" WG (Class A), Add	74.33	
		For 10" WG (Class A), Add	106.85	
		For Work In Restricted Working Space, Add	69.69	
23 31 13 13-0501	LF	46" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	269.97	142.28
		For 3" WG (Class B), Add	35.57	
		For 4" Or 6" WG (Class A), Add	75.88	
		For 10" WG (Class A), Add	109.08	
		For Work In Restricted Working Space, Add	71.14	
23 31 13 13-0502	LF	46" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	275.49	145.19
		For 3" WG (Class B), Add	36.30	
		For 4" Or 6" WG (Class A), Add	77.43	
		For 10" WG (Class A), Add	111.31	
		For Work In Restricted Working Space, Add	72.59	
23 31 13 13-0503	LF	48" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	264.47	139.37
		For 3" WG (Class B), Add	34.84	
		For 4" Or 6" WG (Class A), Add	74.33	
		For 10" WG (Class A), Add	106.85	
		For Work In Restricted Working Space, Add	69.69	
23 31 13 13-0504	LF	48" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	269.97	142.28
		For 3" WG (Class B), Add	35.57	
		For 4" Or 6" WG (Class A), Add	75.88	
		For 10" WG (Class A), Add	109.08	
		For Work In Restricted Working Space, Add	71.14	
23 31 13 13-0505	LF	48" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	275.49	145.19
		For 3" WG (Class B), Add	36.30	
		For 4" Or 6" WG (Class A), Add	77.43	
		For 10" WG (Class A), Add	111.31	
		For Work In Restricted Working Space, Add	72.59	
23 31 13 13-0506	LF	48" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	281.00	148.09
		For 3" WG (Class B), Add	37.02	
		For 4" Or 6" WG (Class A), Add	78.98	
		For 10" WG (Class A), Add	113.53	
		For Work In Restricted Working Space, Add	74.04	
23 31 13 13-0507	LF	50" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	275.49	145.19
		For 3" WG (Class B), Add	36.30	
		For 4" Or 6" WG (Class A), Add	77.43	
		For 10" WG (Class A), Add	111.31	
		For Work In Restricted Working Space, Add	72.59	
23 31 13 13-0508	LF	50" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	281.00	148.09
		For 3" WG (Class B), Add	37.02	
		For 4" Or 6" WG (Class A), Add	78.98	
		For 10" WG (Class A), Add	113.53	
		For Work In Restricted Working Space, Add	74.04	
23 31 13 13-0509	LF	50" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	286.51	150.99
		For 3" WG (Class B), Add	37.75	
		For 4" Or 6" WG (Class A), Add	80.53	
		For 10" WG (Class A), Add	115.76	
		For Work In Restricted Working Space, Add	75.50	
23 31 13 13-0510	LF	52" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	286.51	150.99
		For 3" WG (Class B), Add	37.75	
		For 4" Or 6" WG (Class A), Add	80.53	
		For 10" WG (Class A), Add	115.76	
		For Work In Restricted Working Space, Add	75.50	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
HVAC Ducts and Casings			23 31

23

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
23 31 13 13-0511	LF	52" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	292.01 38.47 82.07 117.98 76.94	153.89
23 31 13 13-0512	LF	54" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	297.52 39.20 83.62 120.21 78.40	156.79
23 31 13 13-0513 20 Gauge Galvanized Steel Metal Ductwork (23 31 13 13-0014)				
23 31 13 13-0514	LF	4" x 4", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	25.95 3.42 7.30 10.49 6.84	13.68
23 31 13 13-0515	LF	4" x 6", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	32.45 4.28 9.12 13.11 8.55	17.10
23 31 13 13-0516	LF	4" x 8", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	38.94 5.13 10.94 15.73 10.26	20.52
23 31 13 13-0517	LF	4" x 10", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	45.42 5.99 12.77 18.35 11.97	23.93
23 31 13 13-0518	LF	4" x 12", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	51.92 6.84 14.59 20.98 13.68	27.36
23 31 13 13-0519	LF	4" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	58.40 7.69 16.41 23.59 15.39	30.78
23 31 13 13-0520	LF	4" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	64.90 8.55 18.24 26.22 17.10	34.20
23 31 13 13-0521	LF	6" x 6", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	38.94 5.13 10.94 15.73 10.26	20.52
23 31 13 13-0522	LF	6" x 8", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	45.42 5.99 12.77 18.35 11.97	23.93
23 31 13 13-0523	LF	6" x 10", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	51.92 6.84 14.59 20.98 13.68	27.36
23 31 13 13-0524	LF	6" x 12", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	58.40 7.69 16.41 23.59 15.39	30.78
23 31 13 13-0525	LF	6" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	64.90 8.55 18.24 26.22 17.10	34.20
23 31 13 13-0526	LF	6" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	71.39 9.41 20.06 28.84 18.81	37.62
23 31 13 13-0527	LF	8" x 8", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	51.92 6.84 14.59 20.98 13.68	27.36

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0528 LF 8" x 10", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	58.40	30.78
For 3" WG (Class B), Add	7.69	
For 4" Or 6" WG (Class A), Add	16.41	
For 10" WG (Class A), Add	23.59	
For Work In Restricted Working Space, Add	15.39	
23 31 13 13-0529 LF 8" x 12", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	64.90	34.20
For 3" WG (Class B), Add	8.55	
For 4" Or 6" WG (Class A), Add	18.24	
For 10" WG (Class A), Add	26.22	
For Work In Restricted Working Space, Add	17.10	
23 31 13 13-0530 LF 8" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	71.39	37.62
For 3" WG (Class B), Add	9.41	
For 4" Or 6" WG (Class A), Add	20.06	
For 10" WG (Class A), Add	28.84	
For Work In Restricted Working Space, Add	18.81	
23 31 13 13-0531 LF 8" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	77.87	41.04
For 3" WG (Class B), Add	10.26	
For 4" Or 6" WG (Class A), Add	21.89	
For 10" WG (Class A), Add	31.46	
For Work In Restricted Working Space, Add	20.52	
23 31 13 13-0532 LF 8" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	84.36	44.45
For 3" WG (Class B), Add	11.12	
For 4" Or 6" WG (Class A), Add	23.71	
For 10" WG (Class A), Add	34.09	
For Work In Restricted Working Space, Add	22.23	
23 31 13 13-0533 LF 8" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	90.86	47.88
For 3" WG (Class B), Add	11.97	
For 4" Or 6" WG (Class A), Add	25.54	
For 10" WG (Class A), Add	36.71	
For Work In Restricted Working Space, Add	23.94	
23 31 13 13-0534 LF 8" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	97.33	51.29
For 3" WG (Class B), Add	12.82	
For 4" Or 6" WG (Class A), Add	27.36	
For 10" WG (Class A), Add	39.33	
For Work In Restricted Working Space, Add	25.65	
23 31 13 13-0535 LF 8" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	103.83	54.72
For 3" WG (Class B), Add	13.68	
For 4" Or 6" WG (Class A), Add	29.18	
For 10" WG (Class A), Add	41.95	
For Work In Restricted Working Space, Add	27.36	
23 31 13 13-0536 LF 10" x 10", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	64.90	34.20
For 3" WG (Class B), Add	8.55	
For 4" Or 6" WG (Class A), Add	18.24	
For 10" WG (Class A), Add	26.22	
For Work In Restricted Working Space, Add	17.10	
23 31 13 13-0537 LF 10" x 12", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	71.39	37.62
For 3" WG (Class B), Add	9.41	
For 4" Or 6" WG (Class A), Add	20.06	
For 10" WG (Class A), Add	28.84	
For Work In Restricted Working Space, Add	18.81	
23 31 13 13-0538 LF 10" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	77.87	41.04
For 3" WG (Class B), Add	10.26	
For 4" Or 6" WG (Class A), Add	21.89	
For 10" WG (Class A), Add	31.46	
For Work In Restricted Working Space, Add	20.52	
23 31 13 13-0539 LF 10" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	84.36	44.45
For 3" WG (Class B), Add	11.12	
For 4" Or 6" WG (Class A), Add	23.71	
For 10" WG (Class A), Add	34.09	
For Work In Restricted Working Space, Add	22.23	
23 31 13 13-0540 LF 10" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	90.86	47.88
For 3" WG (Class B), Add	11.97	
For 4" Or 6" WG (Class A), Add	25.54	
For 10" WG (Class A), Add	36.71	
For Work In Restricted Working Space, Add	23.94	
23 31 13 13-0541 LF 10" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	97.33	51.29
For 3" WG (Class B), Add	12.82	
For 4" Or 6" WG (Class A), Add	27.36	
For 10" WG (Class A), Add	39.33	
For Work In Restricted Working Space, Add	25.65	
23 31 13 13-0542 LF 10" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	103.83	54.72
For 3" WG (Class B), Add	13.68	
For 4" Or 6" WG (Class A), Add	29.18	
For 10" WG (Class A), Add	41.95	
For Work In Restricted Working Space, Add	27.36	
23 31 13 13-0543 LF 10" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	110.34	58.14
For 3" WG (Class B), Add	14.54	
For 4" Or 6" WG (Class A), Add	31.01	
For 10" WG (Class A), Add	44.58	
For Work In Restricted Working Space, Add	29.07	
23 31 13 13-0544 LF 10" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	116.81	61.56
For 3" WG (Class B), Add	15.39	
For 4" Or 6" WG (Class A), Add	32.83	
For 10" WG (Class A), Add	47.20	
For Work In Restricted Working Space, Add	30.78	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Air Distribution			23 30	
HVAC Ducts and Casings			23 31	

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
23 31 13 13-0545	LF	10" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	123.31	64.97
		For 3" WG (Class B), Add	16.25	
		For 4" Or 6" WG (Class A), Add	34.66	
		For 10" WG (Class A), Add	49.82	
		For Work In Restricted Working Space, Add	32.49	
23 31 13 13-0546	LF	10" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	129.78	68.40
		For 3" WG (Class B), Add	17.10	
		For 4" Or 6" WG (Class A), Add	36.48	
		For 10" WG (Class A), Add	52.44	
		For Work In Restricted Working Space, Add	34.20	
23 31 13 13-0547	LF	10" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	136.28	71.81
		For 3" WG (Class B), Add	17.96	
		For 4" Or 6" WG (Class A), Add	38.30	
		For 10" WG (Class A), Add	55.06	
		For Work In Restricted Working Space, Add	35.91	
23 31 13 13-0548	LF	12" x 12", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	77.87	41.04
		For 3" WG (Class B), Add	10.26	
		For 4" Or 6" WG (Class A), Add	21.89	
		For 10" WG (Class A), Add	31.46	
		For Work In Restricted Working Space, Add	20.52	
23 31 13 13-0549	LF	12" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	84.36	44.45
		For 3" WG (Class B), Add	11.12	
		For 4" Or 6" WG (Class A), Add	23.71	
		For 10" WG (Class A), Add	34.09	
		For Work In Restricted Working Space, Add	22.23	
23 31 13 13-0550	LF	12" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	90.86	47.88
		For 3" WG (Class B), Add	11.97	
		For 4" Or 6" WG (Class A), Add	25.54	
		For 10" WG (Class A), Add	36.71	
		For Work In Restricted Working Space, Add	23.94	
23 31 13 13-0551	LF	12" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	97.33	51.29
		For 3" WG (Class B), Add	12.62	
		For 4" Or 6" WG (Class A), Add	27.36	
		For 10" WG (Class A), Add	39.33	
		For Work In Restricted Working Space, Add	25.65	
23 31 13 13-0552	LF	12" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	103.83	54.72
		For 3" WG (Class B), Add	13.68	
		For 4" Or 6" WG (Class A), Add	29.18	
		For 10" WG (Class A), Add	41.95	
		For Work In Restricted Working Space, Add	27.36	
23 31 13 13-0553	LF	12" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	110.34	58.14
		For 3" WG (Class B), Add	14.54	
		For 4" Or 6" WG (Class A), Add	31.01	
		For 10" WG (Class A), Add	44.58	
		For Work In Restricted Working Space, Add	29.07	
23 31 13 13-0554	LF	12" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	116.81	61.56
		For 3" WG (Class B), Add	15.39	
		For 4" Or 6" WG (Class A), Add	32.83	
		For 10" WG (Class A), Add	47.20	
		For Work In Restricted Working Space, Add	30.78	
23 31 13 13-0555	LF	12" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	123.31	64.97
		For 3" WG (Class B), Add	16.25	
		For 4" Or 6" WG (Class A), Add	34.66	
		For 10" WG (Class A), Add	49.82	
		For Work In Restricted Working Space, Add	32.49	
23 31 13 13-0556	LF	12" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	129.78	68.40
		For 3" WG (Class B), Add	17.10	
		For 4" Or 6" WG (Class A), Add	36.48	
		For 10" WG (Class A), Add	52.44	
		For Work In Restricted Working Space, Add	34.20	
23 31 13 13-0557	LF	12" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	136.28	71.81
		For 3" WG (Class B), Add	17.96	
		For 4" Or 6" WG (Class A), Add	38.30	
		For 10" WG (Class A), Add	55.06	
		For Work In Restricted Working Space, Add	35.91	
23 31 13 13-0558	LF	12" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	142.77	75.24
		For 3" WG (Class B), Add	18.81	
		For 4" Or 6" WG (Class A), Add	40.12	
		For 10" WG (Class A), Add	57.68	
		For Work In Restricted Working Space, Add	37.62	
23 31 13 13-0559	LF	12" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	149.25	78.66
		For 3" WG (Class B), Add	19.66	
		For 4" Or 6" WG (Class A), Add	41.95	
		For 10" WG (Class A), Add	60.30	
		For Work In Restricted Working Space, Add	39.33	
23 31 13 13-0560	LF	12" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	155.75	82.08
		For 3" WG (Class B), Add	20.52	
		For 4" Or 6" WG (Class A), Add	43.78	
		For 10" WG (Class A), Add	62.93	
		For Work In Restricted Working Space, Add	41.04	
23 31 13 13-0561	LF	14" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	90.86	47.88
		For 3" WG (Class B), Add	11.97	
		For 4" Or 6" WG (Class A), Add	25.54	
		For 10" WG (Class A), Add	36.71	
		For Work In Restricted Working Space, Add	23.94	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0562	LF	14" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	97.33	51.29
		For 3" WG (Class B), Add	12.82	
		For 4" Or 6" WG (Class A), Add	27.36	
		For 10" WG (Class A), Add	39.33	
		For Work In Restricted Working Space, Add	25.65	
23 31 13 13-0563	LF	14" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	103.83	54.72
		For 3" WG (Class B), Add	13.68	
		For 4" Or 6" WG (Class A), Add	29.18	
		For 10" WG (Class A), Add	41.95	
		For Work In Restricted Working Space, Add	27.36	
23 31 13 13-0564	LF	14" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	110.34	58.14
		For 3" WG (Class B), Add	14.54	
		For 4" Or 6" WG (Class A), Add	31.01	
		For 10" WG (Class A), Add	44.58	
		For Work In Restricted Working Space, Add	29.07	
23 31 13 13-0565	LF	14" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	116.81	61.56
		For 3" WG (Class B), Add	15.39	
		For 4" Or 6" WG (Class A), Add	32.83	
		For 10" WG (Class A), Add	47.20	
		For Work In Restricted Working Space, Add	30.78	
23 31 13 13-0566	LF	14" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	123.31	64.97
		For 3" WG (Class B), Add	16.25	
		For 4" Or 6" WG (Class A), Add	34.66	
		For 10" WG (Class A), Add	49.82	
		For Work In Restricted Working Space, Add	32.49	
23 31 13 13-0567	LF	14" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	129.78	68.40
		For 3" WG (Class B), Add	17.10	
		For 4" Or 6" WG (Class A), Add	36.48	
		For 10" WG (Class A), Add	52.44	
		For Work In Restricted Working Space, Add	34.20	
23 31 13 13-0568	LF	14" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	136.28	71.81
		For 3" WG (Class B), Add	17.96	
		For 4" Or 6" WG (Class A), Add	38.30	
		For 10" WG (Class A), Add	55.06	
		For Work In Restricted Working Space, Add	35.91	
23 31 13 13-0569	LF	14" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	142.77	75.24
		For 3" WG (Class B), Add	18.81	
		For 4" Or 6" WG (Class A), Add	40.12	
		For 10" WG (Class A), Add	57.68	
		For Work In Restricted Working Space, Add	37.62	
23 31 13 13-0570	LF	14" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	149.25	78.66
		For 3" WG (Class B), Add	19.66	
		For 4" Or 6" WG (Class A), Add	41.95	
		For 10" WG (Class A), Add	60.30	
		For Work In Restricted Working Space, Add	39.33	
23 31 13 13-0571	LF	14" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	155.75	82.08
		For 3" WG (Class B), Add	20.52	
		For 4" Or 6" WG (Class A), Add	43.78	
		For 10" WG (Class A), Add	62.93	
		For Work In Restricted Working Space, Add	41.04	
23 31 13 13-0572	LF	14" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	162.23	85.49
		For 3" WG (Class B), Add	21.38	
		For 4" Or 6" WG (Class A), Add	45.60	
		For 10" WG (Class A), Add	65.55	
		For Work In Restricted Working Space, Add	42.75	
23 31 13 13-0573	LF	16" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	103.83	54.72
		For 3" WG (Class B), Add	13.68	
		For 4" Or 6" WG (Class A), Add	29.18	
		For 10" WG (Class A), Add	41.95	
		For Work In Restricted Working Space, Add	27.36	
23 31 13 13-0574	LF	16" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	110.34	58.14
		For 3" WG (Class B), Add	14.54	
		For 4" Or 6" WG (Class A), Add	31.01	
		For 10" WG (Class A), Add	44.58	
		For Work In Restricted Working Space, Add	29.07	
23 31 13 13-0575	LF	16" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	116.81	61.56
		For 3" WG (Class B), Add	15.39	
		For 4" Or 6" WG (Class A), Add	32.83	
		For 10" WG (Class A), Add	47.20	
		For Work In Restricted Working Space, Add	30.78	
23 31 13 13-0576	LF	16" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	123.31	64.97
		For 3" WG (Class B), Add	16.25	
		For 4" Or 6" WG (Class A), Add	34.66	
		For 10" WG (Class A), Add	49.82	
		For Work In Restricted Working Space, Add	32.49	
23 31 13 13-0577	LF	16" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	129.78	68.40
		For 3" WG (Class B), Add	17.10	
		For 4" Or 6" WG (Class A), Add	36.48	
		For 10" WG (Class A), Add	52.44	
		For Work In Restricted Working Space, Add	34.20	
23 31 13 13-0578	LF	16" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	136.28	71.81
		For 3" WG (Class B), Add	17.96	
		For 4" Or 6" WG (Class A), Add	38.30	
		For 10" WG (Class A), Add	55.06	
		For Work In Restricted Working Space, Add	35.91	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
HVAC Ducts and Casings			23 31

23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0579	LF	16" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	142.77	75.24
			For 3" WG (Class B), Add	18.81	
			For 4" Or 6" WG (Class A), Add	40.12	
			For 10" WG (Class A), Add	57.68	
			For Work In Restricted Working Space, Add	37.62	
23 31 13	13-0580	LF	16" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	149.25	78.66
			For 3" WG (Class B), Add	19.66	
			For 4" Or 6" WG (Class A), Add	41.95	
			For 10" WG (Class A), Add	60.30	
			For Work In Restricted Working Space, Add	39.33	
23 31 13	13-0581	LF	16" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	155.75	82.08
			For 3" WG (Class B), Add	20.52	
			For 4" Or 6" WG (Class A), Add	43.78	
			For 10" WG (Class A), Add	62.93	
			For Work In Restricted Working Space, Add	41.04	
23 31 13	13-0582	LF	16" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	162.23	85.49
			For 3" WG (Class B), Add	21.38	
			For 4" Or 6" WG (Class A), Add	45.60	
			For 10" WG (Class A), Add	65.55	
			For Work In Restricted Working Space, Add	42.75	
23 31 13	13-0583	LF	16" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	168.73	88.92
			For 3" WG (Class B), Add	22.23	
			For 4" Or 6" WG (Class A), Add	47.42	
			For 10" WG (Class A), Add	68.17	
			For Work In Restricted Working Space, Add	44.46	
23 31 13	13-0584	LF	16" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	175.22	92.33
			For 3" WG (Class B), Add	23.08	
			For 4" Or 6" WG (Class A), Add	49.24	
			For 10" WG (Class A), Add	70.79	
			For Work In Restricted Working Space, Add	46.17	
23 31 13	13-0585	LF	16" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	181.71	95.76
			For 3" WG (Class B), Add	23.94	
			For 4" Or 6" WG (Class A), Add	51.07	
			For 10" WG (Class A), Add	73.42	
			For Work In Restricted Working Space, Add	47.88	
23 31 13	13-0586	LF	16" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	188.19	99.18
			For 3" WG (Class B), Add	24.79	
			For 4" Or 6" WG (Class A), Add	52.89	
			For 10" WG (Class A), Add	76.03	
			For Work In Restricted Working Space, Add	49.59	
23 31 13	13-0587	LF	16" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	194.70	102.60
			For 3" WG (Class B), Add	25.65	
			For 4" Or 6" WG (Class A), Add	54.72	
			For 10" WG (Class A), Add	78.66	
			For Work In Restricted Working Space, Add	51.30	
23 31 13	13-0588	LF	18" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	116.81	61.56
			For 3" WG (Class B), Add	15.39	
			For 4" Or 6" WG (Class A), Add	32.83	
			For 10" WG (Class A), Add	47.20	
			For Work In Restricted Working Space, Add	30.78	
23 31 13	13-0589	LF	18" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	123.31	64.97
			For 3" WG (Class B), Add	16.25	
			For 4" Or 6" WG (Class A), Add	34.66	
			For 10" WG (Class A), Add	49.82	
			For Work In Restricted Working Space, Add	32.49	
23 31 13	13-0590	LF	18" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	129.78	68.40
			For 3" WG (Class B), Add	17.10	
			For 4" Or 6" WG (Class A), Add	36.48	
			For 10" WG (Class A), Add	52.44	
			For Work In Restricted Working Space, Add	34.20	
23 31 13	13-0591	LF	18" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	136.28	71.81
			For 3" WG (Class B), Add	17.96	
			For 4" Or 6" WG (Class A), Add	38.30	
			For 10" WG (Class A), Add	55.06	
			For Work In Restricted Working Space, Add	35.91	
23 31 13	13-0592	LF	18" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	142.77	75.24
			For 3" WG (Class B), Add	18.81	
			For 4" Or 6" WG (Class A), Add	40.12	
			For 10" WG (Class A), Add	57.68	
			For Work In Restricted Working Space, Add	37.62	
23 31 13	13-0593	LF	18" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	149.25	78.66
			For 3" WG (Class B), Add	19.66	
			For 4" Or 6" WG (Class A), Add	41.95	
			For 10" WG (Class A), Add	60.30	
			For Work In Restricted Working Space, Add	39.33	
23 31 13	13-0594	LF	18" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	155.75	82.08
			For 3" WG (Class B), Add	20.52	
			For 4" Or 6" WG (Class A), Add	43.78	
			For 10" WG (Class A), Add	62.93	
			For Work In Restricted Working Space, Add	41.04	
23 31 13	13-0595	LF	18" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	162.23	85.49
			For 3" WG (Class B), Add	21.38	
			For 4" Or 6" WG (Class A), Add	45.60	
			For 10" WG (Class A), Add	65.55	
			For Work In Restricted Working Space, Add	42.75	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0596	LF	18" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	168.73	88.92
		For 3" WG (Class B), Add	22.23	
		For 4" Or 6" WG (Class A), Add	47.42	
		For 10" WG (Class A), Add	68.17	
		For Work In Restricted Working Space, Add	44.46	
23 31 13 13-0597	LF	18" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	175.22	92.33
		For 3" WG (Class B), Add	23.08	
		For 4" Or 6" WG (Class A), Add	49.24	
		For 10" WG (Class A), Add	70.79	
		For Work In Restricted Working Space, Add	46.17	
23 31 13 13-0598	LF	18" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	181.71	95.76
		For 3" WG (Class B), Add	23.94	
		For 4" Or 6" WG (Class A), Add	51.07	
		For 10" WG (Class A), Add	73.42	
		For Work In Restricted Working Space, Add	47.88	
23 31 13 13-0599	LF	18" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	188.19	99.18
		For 3" WG (Class B), Add	24.79	
		For 4" Or 6" WG (Class A), Add	52.89	
		For 10" WG (Class A), Add	76.03	
		For Work In Restricted Working Space, Add	49.59	
23 31 13 13-0600	LF	18" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	194.70	102.60
		For 3" WG (Class B), Add	25.65	
		For 4" Or 6" WG (Class A), Add	54.72	
		For 10" WG (Class A), Add	78.66	
		For Work In Restricted Working Space, Add	51.30	
23 31 13 13-0601	LF	18" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	201.17	106.01
		For 3" WG (Class B), Add	26.50	
		For 4" Or 6" WG (Class A), Add	56.54	
		For 10" WG (Class A), Add	81.28	
		For Work In Restricted Working Space, Add	53.01	
23 31 13 13-0602	LF	18" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	207.67	109.44
		For 3" WG (Class B), Add	27.36	
		For 4" Or 6" WG (Class A), Add	58.37	
		For 10" WG (Class A), Add	83.90	
		For Work In Restricted Working Space, Add	54.72	
23 31 13 13-0603	LF	20" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	129.78	68.40
		For 3" WG (Class B), Add	17.10	
		For 4" Or 6" WG (Class A), Add	36.48	
		For 10" WG (Class A), Add	52.44	
		For Work In Restricted Working Space, Add	34.20	
23 31 13 13-0604	LF	20" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	136.28	71.81
		For 3" WG (Class B), Add	17.96	
		For 4" Or 6" WG (Class A), Add	38.30	
		For 10" WG (Class A), Add	55.06	
		For Work In Restricted Working Space, Add	35.91	
23 31 13 13-0605	LF	20" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	142.77	75.24
		For 3" WG (Class B), Add	18.81	
		For 4" Or 6" WG (Class A), Add	40.12	
		For 10" WG (Class A), Add	57.68	
		For Work In Restricted Working Space, Add	37.62	
23 31 13 13-0606	LF	20" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	149.25	78.66
		For 3" WG (Class B), Add	19.66	
		For 4" Or 6" WG (Class A), Add	41.95	
		For 10" WG (Class A), Add	60.30	
		For Work In Restricted Working Space, Add	39.33	
23 31 13 13-0607	LF	20" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	155.75	82.08
		For 3" WG (Class B), Add	20.52	
		For 4" Or 6" WG (Class A), Add	43.78	
		For 10" WG (Class A), Add	62.93	
		For Work In Restricted Working Space, Add	41.04	
23 31 13 13-0608	LF	20" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	162.23	85.49
		For 3" WG (Class B), Add	21.38	
		For 4" Or 6" WG (Class A), Add	45.60	
		For 10" WG (Class A), Add	65.55	
		For Work In Restricted Working Space, Add	42.75	
23 31 13 13-0609	LF	20" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	168.73	88.92
		For 3" WG (Class B), Add	22.23	
		For 4" Or 6" WG (Class A), Add	47.42	
		For 10" WG (Class A), Add	68.17	
		For Work In Restricted Working Space, Add	44.46	
23 31 13 13-0610	LF	20" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	175.22	92.33
		For 3" WG (Class B), Add	23.08	
		For 4" Or 6" WG (Class A), Add	49.24	
		For 10" WG (Class A), Add	70.79	
		For Work In Restricted Working Space, Add	46.17	
23 31 13 13-0611	LF	20" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	181.71	95.76
		For 3" WG (Class B), Add	23.94	
		For 4" Or 6" WG (Class A), Add	51.07	
		For 10" WG (Class A), Add	73.42	
		For Work In Restricted Working Space, Add	47.88	
23 31 13 13-0612	LF	20" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	188.19	99.18
		For 3" WG (Class B), Add	24.79	
		For 4" Or 6" WG (Class A), Add	52.89	
		For 10" WG (Class A), Add	76.03	
		For Work In Restricted Working Space, Add	49.59	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Air Distribution			23 30	
HVAC Ducts and Casings			23 31	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
23 31 13 13-0613	LF	20" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	194.70	102.60
		For 3" WG (Class B), Add	25.65	
		For 4" Or 6" WG (Class A), Add	54.72	
		For 10" WG (Class A), Add	78.66	
		For Work In Restricted Working Space, Add	51.30	
23 31 13 13-0614	LF	20" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	201.17	106.01
		For 3" WG (Class B), Add	26.50	
		For 4" Or 6" WG (Class A), Add	56.54	
		For 10" WG (Class A), Add	81.28	
		For Work In Restricted Working Space, Add	53.01	
23 31 13 13-0615	LF	20" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	207.67	109.44
		For 3" WG (Class B), Add	27.36	
		For 4" Or 6" WG (Class A), Add	58.37	
		For 10" WG (Class A), Add	83.90	
		For Work In Restricted Working Space, Add	54.72	
23 31 13 13-0616	LF	20" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	214.15	112.85
		For 3" WG (Class B), Add	28.22	
		For 4" Or 6" WG (Class A), Add	60.19	
		For 10" WG (Class A), Add	86.53	
		For Work In Restricted Working Space, Add	56.43	
23 31 13 13-0617	LF	20" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	220.64	116.28
		For 3" WG (Class B), Add	29.07	
		For 4" Or 6" WG (Class A), Add	62.01	
		For 10" WG (Class A), Add	89.14	
		For Work In Restricted Working Space, Add	58.14	
23 31 13 13-0618	LF	22" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	142.77	75.24
		For 3" WG (Class B), Add	18.81	
		For 4" Or 6" WG (Class A), Add	40.12	
		For 10" WG (Class A), Add	57.68	
		For Work In Restricted Working Space, Add	37.62	
23 31 13 13-0619	LF	22" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	149.25	78.66
		For 3" WG (Class B), Add	19.66	
		For 4" Or 6" WG (Class A), Add	41.95	
		For 10" WG (Class A), Add	60.30	
		For Work In Restricted Working Space, Add	39.33	
23 31 13 13-0620	LF	22" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	155.75	82.08
		For 3" WG (Class B), Add	20.52	
		For 4" Or 6" WG (Class A), Add	43.78	
		For 10" WG (Class A), Add	62.93	
		For Work In Restricted Working Space, Add	41.04	
23 31 13 13-0621	LF	22" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	162.23	85.49
		For 3" WG (Class B), Add	21.38	
		For 4" Or 6" WG (Class A), Add	45.60	
		For 10" WG (Class A), Add	65.55	
		For Work In Restricted Working Space, Add	42.75	
23 31 13 13-0622	LF	22" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	168.73	88.92
		For 3" WG (Class B), Add	22.23	
		For 4" Or 6" WG (Class A), Add	47.42	
		For 10" WG (Class A), Add	68.17	
		For Work In Restricted Working Space, Add	44.46	
23 31 13 13-0623	LF	22" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	175.22	92.33
		For 3" WG (Class B), Add	23.08	
		For 4" Or 6" WG (Class A), Add	49.24	
		For 10" WG (Class A), Add	70.79	
		For Work In Restricted Working Space, Add	46.17	
23 31 13 13-0624	LF	22" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	181.71	95.76
		For 3" WG (Class B), Add	23.94	
		For 4" Or 6" WG (Class A), Add	51.07	
		For 10" WG (Class A), Add	73.42	
		For Work In Restricted Working Space, Add	47.88	
23 31 13 13-0625	LF	22" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	188.19	99.18
		For 3" WG (Class B), Add	24.79	
		For 4" Or 6" WG (Class A), Add	52.89	
		For 10" WG (Class A), Add	76.03	
		For Work In Restricted Working Space, Add	49.59	
23 31 13 13-0626	LF	22" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	194.70	102.60
		For 3" WG (Class B), Add	25.65	
		For 4" Or 6" WG (Class A), Add	54.72	
		For 10" WG (Class A), Add	78.66	
		For Work In Restricted Working Space, Add	51.30	
23 31 13 13-0627	LF	22" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	201.17	106.01
		For 3" WG (Class B), Add	26.50	
		For 4" Or 6" WG (Class A), Add	56.54	
		For 10" WG (Class A), Add	81.28	
		For Work In Restricted Working Space, Add	53.01	
23 31 13 13-0628	LF	22" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	207.67	109.44
		For 3" WG (Class B), Add	27.36	
		For 4" Or 6" WG (Class A), Add	58.37	
		For 10" WG (Class A), Add	83.90	
		For Work In Restricted Working Space, Add	54.72	
23 31 13 13-0629	LF	22" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	214.15	112.85
		For 3" WG (Class B), Add	28.22	
		For 4" Or 6" WG (Class A), Add	60.19	
		For 10" WG (Class A), Add	86.53	
		For Work In Restricted Working Space, Add	56.43	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0630	LF	22" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	220.64	116.28
		For 3" WG (Class B), Add	29.07	
		For 4" Or 6" WG (Class A), Add	62.01	
		For 10" WG (Class A), Add	89.14	
		For Work In Restricted Working Space, Add	58.14	
23 31 13 13-0631	LF	22" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	227.14	119.70
		For 3" WG (Class B), Add	29.93	
		For 4" Or 6" WG (Class A), Add	63.84	
		For 10" WG (Class A), Add	91.77	
		For Work In Restricted Working Space, Add	59.85	
23 31 13 13-0632	LF	24" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	155.75	82.08
		For 3" WG (Class B), Add	20.52	
		For 4" Or 6" WG (Class A), Add	43.78	
		For 10" WG (Class A), Add	62.93	
		For Work In Restricted Working Space, Add	41.04	
23 31 13 13-0633	LF	24" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	162.23	85.49
		For 3" WG (Class B), Add	21.38	
		For 4" Or 6" WG (Class A), Add	45.60	
		For 10" WG (Class A), Add	65.55	
		For Work In Restricted Working Space, Add	42.75	
23 31 13 13-0634	LF	24" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	168.73	88.92
		For 3" WG (Class B), Add	22.23	
		For 4" Or 6" WG (Class A), Add	47.42	
		For 10" WG (Class A), Add	68.17	
		For Work In Restricted Working Space, Add	44.46	
23 31 13 13-0635	LF	24" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	175.22	92.33
		For 3" WG (Class B), Add	23.08	
		For 4" Or 6" WG (Class A), Add	49.24	
		For 10" WG (Class A), Add	70.79	
		For Work In Restricted Working Space, Add	46.17	
23 31 13 13-0636	LF	24" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	181.71	95.76
		For 3" WG (Class B), Add	23.94	
		For 4" Or 6" WG (Class A), Add	51.07	
		For 10" WG (Class A), Add	73.42	
		For Work In Restricted Working Space, Add	47.88	
23 31 13 13-0637	LF	24" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	188.19	99.18
		For 3" WG (Class B), Add	24.79	
		For 4" Or 6" WG (Class A), Add	52.89	
		For 10" WG (Class A), Add	76.03	
		For Work In Restricted Working Space, Add	49.59	
23 31 13 13-0638	LF	24" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	194.70	102.60
		For 3" WG (Class B), Add	25.65	
		For 4" Or 6" WG (Class A), Add	54.72	
		For 10" WG (Class A), Add	78.66	
		For Work In Restricted Working Space, Add	51.30	
23 31 13 13-0639	LF	24" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	201.17	106.01
		For 3" WG (Class B), Add	26.50	
		For 4" Or 6" WG (Class A), Add	56.54	
		For 10" WG (Class A), Add	81.28	
		For Work In Restricted Working Space, Add	53.01	
23 31 13 13-0640	LF	24" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	207.67	109.44
		For 3" WG (Class B), Add	27.36	
		For 4" Or 6" WG (Class A), Add	58.37	
		For 10" WG (Class A), Add	83.90	
		For Work In Restricted Working Space, Add	54.72	
23 31 13 13-0641	LF	24" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	214.15	112.85
		For 3" WG (Class B), Add	28.22	
		For 4" Or 6" WG (Class A), Add	60.19	
		For 10" WG (Class A), Add	86.53	
		For Work In Restricted Working Space, Add	56.43	
23 31 13 13-0642	LF	24" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	220.64	116.28
		For 3" WG (Class B), Add	29.07	
		For 4" Or 6" WG (Class A), Add	62.01	
		For 10" WG (Class A), Add	89.14	
		For Work In Restricted Working Space, Add	58.14	
23 31 13 13-0643	LF	24" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	227.14	119.70
		For 3" WG (Class B), Add	29.93	
		For 4" Or 6" WG (Class A), Add	63.84	
		For 10" WG (Class A), Add	91.77	
		For Work In Restricted Working Space, Add	59.85	
23 31 13 13-0644	LF	24" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	233.61	123.12
		For 3" WG (Class B), Add	30.78	
		For 4" Or 6" WG (Class A), Add	65.66	
		For 10" WG (Class A), Add	94.39	
		For Work In Restricted Working Space, Add	61.56	
23 31 13 13-0645	LF	26" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	168.73	88.92
		For 3" WG (Class B), Add	22.23	
		For 4" Or 6" WG (Class A), Add	47.42	
		For 10" WG (Class A), Add	68.17	
		For Work In Restricted Working Space, Add	44.46	
23 31 13 13-0646	LF	26" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	175.22	92.33
		For 3" WG (Class B), Add	23.08	
		For 4" Or 6" WG (Class A), Add	49.24	
		For 10" WG (Class A), Add	70.79	
		For Work In Restricted Working Space, Add	46.17	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
HVAC Ducts and Casings			23 31

23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0647	LF	26" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	181.71	95.76
		For 3" WG (Class B), Add	23.94	
		For 4" Or 6" WG (Class A), Add	51.07	
		For 10" WG (Class A), Add	73.42	
		For Work In Restricted Working Space, Add	47.88	
23 31 13 13-0648	LF	26" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	188.19	99.18
		For 3" WG (Class B), Add	24.79	
		For 4" Or 6" WG (Class A), Add	52.89	
		For 10" WG (Class A), Add	76.03	
		For Work In Restricted Working Space, Add	49.59	
23 31 13 13-0649	LF	26" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	194.70	102.60
		For 3" WG (Class B), Add	25.65	
		For 4" Or 6" WG (Class A), Add	54.72	
		For 10" WG (Class A), Add	78.66	
		For Work In Restricted Working Space, Add	51.30	
23 31 13 13-0650	LF	26" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	201.17	106.01
		For 3" WG (Class B), Add	26.50	
		For 4" Or 6" WG (Class A), Add	56.54	
		For 10" WG (Class A), Add	81.28	
		For Work In Restricted Working Space, Add	53.01	
23 31 13 13-0651	LF	26" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	207.67	109.44
		For 3" WG (Class B), Add	27.36	
		For 4" Or 6" WG (Class A), Add	58.37	
		For 10" WG (Class A), Add	83.90	
		For Work In Restricted Working Space, Add	54.72	
23 31 13 13-0652	LF	26" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	214.15	112.85
		For 3" WG (Class B), Add	28.22	
		For 4" Or 6" WG (Class A), Add	60.19	
		For 10" WG (Class A), Add	86.53	
		For Work In Restricted Working Space, Add	56.43	
23 31 13 13-0653	LF	26" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	220.64	116.28
		For 3" WG (Class B), Add	29.07	
		For 4" Or 6" WG (Class A), Add	62.01	
		For 10" WG (Class A), Add	89.14	
		For Work In Restricted Working Space, Add	58.14	
23 31 13 13-0654	LF	26" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	227.14	119.70
		For 3" WG (Class B), Add	29.93	
		For 4" Or 6" WG (Class A), Add	63.84	
		For 10" WG (Class A), Add	91.77	
		For Work In Restricted Working Space, Add	59.85	
23 31 13 13-0655	LF	26" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	233.61	123.12
		For 3" WG (Class B), Add	30.78	
		For 4" Or 6" WG (Class A), Add	65.66	
		For 10" WG (Class A), Add	94.39	
		For Work In Restricted Working Space, Add	61.56	
23 31 13 13-0656	LF	26" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	240.12	126.54
		For 3" WG (Class B), Add	31.64	
		For 4" Or 6" WG (Class A), Add	67.49	
		For 10" WG (Class A), Add	97.01	
		For Work In Restricted Working Space, Add	63.27	
23 31 13 13-0657	LF	28" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	181.71	95.76
		For 3" WG (Class B), Add	23.94	
		For 4" Or 6" WG (Class A), Add	51.07	
		For 10" WG (Class A), Add	73.42	
		For Work In Restricted Working Space, Add	47.88	
23 31 13 13-0658	LF	28" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	188.19	99.18
		For 3" WG (Class B), Add	24.79	
		For 4" Or 6" WG (Class A), Add	52.89	
		For 10" WG (Class A), Add	76.03	
		For Work In Restricted Working Space, Add	49.59	
23 31 13 13-0659	LF	28" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	194.70	102.60
		For 3" WG (Class B), Add	25.65	
		For 4" Or 6" WG (Class A), Add	54.72	
		For 10" WG (Class A), Add	78.66	
		For Work In Restricted Working Space, Add	51.30	
23 31 13 13-0660	LF	28" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	201.17	106.01
		For 3" WG (Class B), Add	26.50	
		For 4" Or 6" WG (Class A), Add	56.54	
		For 10" WG (Class A), Add	81.28	
		For Work In Restricted Working Space, Add	53.01	
23 31 13 13-0661	LF	28" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	207.67	109.44
		For 3" WG (Class B), Add	27.36	
		For 4" Or 6" WG (Class A), Add	58.37	
		For 10" WG (Class A), Add	83.90	
		For Work In Restricted Working Space, Add	54.72	
23 31 13 13-0662	LF	28" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	214.15	112.85
		For 3" WG (Class B), Add	28.22	
		For 4" Or 6" WG (Class A), Add	60.19	
		For 10" WG (Class A), Add	86.53	
		For Work In Restricted Working Space, Add	56.43	
23 31 13 13-0663	LF	28" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	220.64	116.28
		For 3" WG (Class B), Add	29.07	
		For 4" Or 6" WG (Class A), Add	62.01	
		For 10" WG (Class A), Add	89.14	
		For Work In Restricted Working Space, Add	58.14	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0664	LF	28" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	227.14	119.70
		For 3" WG (Class B), Add	29.93	
		For 4" Or 6" WG (Class A), Add	63.84	
		For 10" WG (Class A), Add	91.77	
		For Work In Restricted Working Space, Add	59.85	
23 31 13 13-0665	LF	28" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	233.61	123.12
		For 3" WG (Class B), Add	30.78	
		For 4" Or 6" WG (Class A), Add	65.66	
		For 10" WG (Class A), Add	94.39	
		For Work In Restricted Working Space, Add	61.56	
23 31 13 13-0666	LF	28" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	240.12	126.54
		For 3" WG (Class B), Add	31.64	
		For 4" Or 6" WG (Class A), Add	67.49	
		For 10" WG (Class A), Add	97.01	
		For Work In Restricted Working Space, Add	63.27	
23 31 13 13-0667	LF	28" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	246.59	129.96
		For 3" WG (Class B), Add	32.49	
		For 4" Or 6" WG (Class A), Add	69.31	
		For 10" WG (Class A), Add	99.63	
		For Work In Restricted Working Space, Add	64.98	
23 31 13 13-0668	LF	30" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	194.70	102.60
		For 3" WG (Class B), Add	25.65	
		For 4" Or 6" WG (Class A), Add	54.72	
		For 10" WG (Class A), Add	78.66	
		For Work In Restricted Working Space, Add	51.30	
23 31 13 13-0669	LF	30" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	201.17	106.01
		For 3" WG (Class B), Add	26.50	
		For 4" Or 6" WG (Class A), Add	56.54	
		For 10" WG (Class A), Add	81.28	
		For Work In Restricted Working Space, Add	53.01	
23 31 13 13-0670	LF	30" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	207.67	109.44
		For 3" WG (Class B), Add	27.36	
		For 4" Or 6" WG (Class A), Add	58.37	
		For 10" WG (Class A), Add	83.90	
		For Work In Restricted Working Space, Add	54.72	
23 31 13 13-0671	LF	30" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	214.15	112.85
		For 3" WG (Class B), Add	28.22	
		For 4" Or 6" WG (Class A), Add	60.19	
		For 10" WG (Class A), Add	86.53	
		For Work In Restricted Working Space, Add	56.43	
23 31 13 13-0672	LF	30" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	220.64	116.28
		For 3" WG (Class B), Add	29.07	
		For 4" Or 6" WG (Class A), Add	62.01	
		For 10" WG (Class A), Add	89.14	
		For Work In Restricted Working Space, Add	58.14	
23 31 13 13-0673	LF	30" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	227.14	119.70
		For 3" WG (Class B), Add	29.93	
		For 4" Or 6" WG (Class A), Add	63.84	
		For 10" WG (Class A), Add	91.77	
		For Work In Restricted Working Space, Add	59.85	
23 31 13 13-0674	LF	30" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	233.61	123.12
		For 3" WG (Class B), Add	30.78	
		For 4" Or 6" WG (Class A), Add	65.66	
		For 10" WG (Class A), Add	94.39	
		For Work In Restricted Working Space, Add	61.56	
23 31 13 13-0675	LF	30" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	240.12	126.54
		For 3" WG (Class B), Add	31.64	
		For 4" Or 6" WG (Class A), Add	67.49	
		For 10" WG (Class A), Add	97.01	
		For Work In Restricted Working Space, Add	63.27	
23 31 13 13-0676	LF	30" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	246.59	129.96
		For 3" WG (Class B), Add	32.49	
		For 4" Or 6" WG (Class A), Add	69.31	
		For 10" WG (Class A), Add	99.63	
		For Work In Restricted Working Space, Add	64.98	
23 31 13 13-0677	LF	30" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	253.09	133.37
		For 3" WG (Class B), Add	33.35	
		For 4" Or 6" WG (Class A), Add	71.14	
		For 10" WG (Class A), Add	102.26	
		For Work In Restricted Working Space, Add	66.69	
23 31 13 13-0678	LF	32" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	207.67	109.44
		For 3" WG (Class B), Add	27.36	
		For 4" Or 6" WG (Class A), Add	58.37	
		For 10" WG (Class A), Add	83.90	
		For Work In Restricted Working Space, Add	54.72	
23 31 13 13-0679	LF	32" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	214.15	112.85
		For 3" WG (Class B), Add	28.22	
		For 4" Or 6" WG (Class A), Add	60.19	
		For 10" WG (Class A), Add	86.53	
		For Work In Restricted Working Space, Add	56.43	
23 31 13 13-0680	LF	32" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	220.64	116.28
		For 3" WG (Class B), Add	29.07	
		For 4" Or 6" WG (Class A), Add	62.01	
		For 10" WG (Class A), Add	89.14	
		For Work In Restricted Working Space, Add	58.14	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
HVAC Ducts and Casings			23 31

23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0681	LF	32" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	227.14	119.70
		For 3" WG (Class B), Add	29.93	
		For 4" Or 6" WG (Class A), Add	63.84	
		For 10" WG (Class A), Add	91.77	
		For Work In Restricted Working Space, Add	59.85	
23 31 13 13-0682	LF	32" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	233.61	123.12
		For 3" WG (Class B), Add	30.78	
		For 4" Or 6" WG (Class A), Add	65.66	
		For 10" WG (Class A), Add	94.39	
		For Work In Restricted Working Space, Add	61.56	
23 31 13 13-0683	LF	32" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	240.12	126.54
		For 3" WG (Class B), Add	31.64	
		For 4" Or 6" WG (Class A), Add	67.49	
		For 10" WG (Class A), Add	97.01	
		For Work In Restricted Working Space, Add	63.27	
23 31 13 13-0684	LF	32" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	246.59	129.96
		For 3" WG (Class B), Add	32.49	
		For 4" Or 6" WG (Class A), Add	69.31	
		For 10" WG (Class A), Add	99.63	
		For Work In Restricted Working Space, Add	64.98	
23 31 13 13-0685	LF	32" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	253.09	133.37
		For 3" WG (Class B), Add	33.35	
		For 4" Or 6" WG (Class A), Add	71.14	
		For 10" WG (Class A), Add	102.26	
		For Work In Restricted Working Space, Add	66.69	
23 31 13 13-0686	LF	32" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	259.59	136.80
		For 3" WG (Class B), Add	34.20	
		For 4" Or 6" WG (Class A), Add	72.96	
		For 10" WG (Class A), Add	104.88	
		For Work In Restricted Working Space, Add	68.40	
23 31 13 13-0687	LF	34" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	220.64	116.28
		For 3" WG (Class B), Add	29.07	
		For 4" Or 6" WG (Class A), Add	62.01	
		For 10" WG (Class A), Add	89.14	
		For Work In Restricted Working Space, Add	58.14	
23 31 13 13-0688	LF	34" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	227.14	119.70
		For 3" WG (Class B), Add	29.93	
		For 4" Or 6" WG (Class A), Add	63.84	
		For 10" WG (Class A), Add	91.77	
		For Work In Restricted Working Space, Add	59.85	
23 31 13 13-0689	LF	34" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	233.61	123.12
		For 3" WG (Class B), Add	30.78	
		For 4" Or 6" WG (Class A), Add	65.66	
		For 10" WG (Class A), Add	94.39	
		For Work In Restricted Working Space, Add	61.56	
23 31 13 13-0690	LF	34" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	240.12	126.54
		For 3" WG (Class B), Add	31.64	
		For 4" Or 6" WG (Class A), Add	67.49	
		For 10" WG (Class A), Add	97.01	
		For Work In Restricted Working Space, Add	63.27	
23 31 13 13-0691	LF	34" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	246.59	129.96
		For 3" WG (Class B), Add	32.49	
		For 4" Or 6" WG (Class A), Add	69.31	
		For 10" WG (Class A), Add	99.63	
		For Work In Restricted Working Space, Add	64.98	
23 31 13 13-0692	LF	34" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	253.09	133.37
		For 3" WG (Class B), Add	33.35	
		For 4" Or 6" WG (Class A), Add	71.14	
		For 10" WG (Class A), Add	102.26	
		For Work In Restricted Working Space, Add	66.69	
23 31 13 13-0693	LF	34" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	259.59	136.80
		For 3" WG (Class B), Add	34.20	
		For 4" Or 6" WG (Class A), Add	72.96	
		For 10" WG (Class A), Add	104.88	
		For Work In Restricted Working Space, Add	68.40	
23 31 13 13-0694	LF	34" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	266.06	140.22
		For 3" WG (Class B), Add	35.05	
		For 4" Or 6" WG (Class A), Add	74.78	
		For 10" WG (Class A), Add	107.50	
		For Work In Restricted Working Space, Add	70.11	
23 31 13 13-0695	LF	36" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	233.61	123.12
		For 3" WG (Class B), Add	30.78	
		For 4" Or 6" WG (Class A), Add	65.66	
		For 10" WG (Class A), Add	94.39	
		For Work In Restricted Working Space, Add	61.56	
23 31 13 13-0696	LF	36" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	240.12	126.54
		For 3" WG (Class B), Add	31.64	
		For 4" Or 6" WG (Class A), Add	67.49	
		For 10" WG (Class A), Add	97.01	
		For Work In Restricted Working Space, Add	63.27	
23 31 13 13-0697	LF	36" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	246.59	129.96
		For 3" WG (Class B), Add	32.49	
		For 4" Or 6" WG (Class A), Add	69.31	
		For 10" WG (Class A), Add	99.63	
		For Work In Restricted Working Space, Add	64.98	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0698 LF 36" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	253.09	133.37
For 3" WG (Class B), Add	33.35	
For 4" Or 6" WG (Class A), Add	71.14	
For 10" WG (Class A), Add	102.26	
For Work In Restricted Working Space, Add	66.69	
23 31 13 13-0699 LF 36" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	259.59	136.80
For 3" WG (Class B), Add	34.20	
For 4" Or 6" WG (Class A), Add	72.96	
For 10" WG (Class A), Add	104.88	
For Work In Restricted Working Space, Add	68.40	
23 31 13 13-0700 LF 36" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	266.06	140.22
For 3" WG (Class B), Add	35.05	
For 4" Or 6" WG (Class A), Add	74.78	
For 10" WG (Class A), Add	107.50	
For Work In Restricted Working Space, Add	70.11	
23 31 13 13-0701 LF 36" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	272.56	143.64
For 3" WG (Class B), Add	35.91	
For 4" Or 6" WG (Class A), Add	76.60	
For 10" WG (Class A), Add	110.12	
For Work In Restricted Working Space, Add	71.82	
23 31 13 13-0702 LF 38" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	246.59	129.96
For 3" WG (Class B), Add	32.49	
For 4" Or 6" WG (Class A), Add	69.31	
For 10" WG (Class A), Add	99.63	
For Work In Restricted Working Space, Add	64.98	
23 31 13 13-0703 LF 38" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	253.09	133.37
For 3" WG (Class B), Add	33.35	
For 4" Or 6" WG (Class A), Add	71.14	
For 10" WG (Class A), Add	102.26	
For Work In Restricted Working Space, Add	66.69	
23 31 13 13-0704 LF 38" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	259.59	136.80
For 3" WG (Class B), Add	34.20	
For 4" Or 6" WG (Class A), Add	72.96	
For 10" WG (Class A), Add	104.88	
For Work In Restricted Working Space, Add	68.40	
23 31 13 13-0705 LF 38" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	266.06	140.22
For 3" WG (Class B), Add	35.05	
For 4" Or 6" WG (Class A), Add	74.78	
For 10" WG (Class A), Add	107.50	
For Work In Restricted Working Space, Add	70.11	
23 31 13 13-0706 LF 38" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	272.56	143.64
For 3" WG (Class B), Add	35.91	
For 4" Or 6" WG (Class A), Add	76.60	
For 10" WG (Class A), Add	110.12	
For Work In Restricted Working Space, Add	71.82	
23 31 13 13-0707 LF 38" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	279.06	147.06
For 3" WG (Class B), Add	36.77	
For 4" Or 6" WG (Class A), Add	78.43	
For 10" WG (Class A), Add	112.75	
For Work In Restricted Working Space, Add	73.53	
23 31 13 13-0708 LF 38" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	285.54	150.48
For 3" WG (Class B), Add	37.62	
For 4" Or 6" WG (Class A), Add	80.26	
For 10" WG (Class A), Add	115.37	
For Work In Restricted Working Space, Add	75.24	
23 31 13 13-0709 LF 40" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	259.59	136.80
For 3" WG (Class B), Add	34.20	
For 4" Or 6" WG (Class A), Add	72.96	
For 10" WG (Class A), Add	104.88	
For Work In Restricted Working Space, Add	68.40	
23 31 13 13-0710 LF 40" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	266.06	140.22
For 3" WG (Class B), Add	35.05	
For 4" Or 6" WG (Class A), Add	74.78	
For 10" WG (Class A), Add	107.50	
For Work In Restricted Working Space, Add	70.11	
23 31 13 13-0711 LF 40" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	272.56	143.64
For 3" WG (Class B), Add	35.91	
For 4" Or 6" WG (Class A), Add	76.60	
For 10" WG (Class A), Add	110.12	
For Work In Restricted Working Space, Add	71.82	
23 31 13 13-0712 LF 40" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	279.06	147.06
For 3" WG (Class B), Add	36.77	
For 4" Or 6" WG (Class A), Add	78.43	
For 10" WG (Class A), Add	112.75	
For Work In Restricted Working Space, Add	73.53	
23 31 13 13-0713 LF 40" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	285.54	150.48
For 3" WG (Class B), Add	37.62	
For 4" Or 6" WG (Class A), Add	80.26	
For 10" WG (Class A), Add	115.37	
For Work In Restricted Working Space, Add	75.24	
23 31 13 13-0714 LF 40" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	292.03	153.89
For 3" WG (Class B), Add	38.47	
For 4" Or 6" WG (Class A), Add	82.08	
For 10" WG (Class A), Add	117.99	
For Work In Restricted Working Space, Add	76.95	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Air Distribution			23 30	
HVAC Ducts and Casings			23 31	

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
23 31 13 13-0715	LF	40" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	298.51	157.32
		For 3" WG (Class B), Add	39.33	
		For 4" Or 6" WG (Class A), Add	83.90	
		For 10" WG (Class A), Add	120.61	
		For Work In Restricted Working Space, Add	78.66	
23 31 13 13-0716	LF	40" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	305.00	160.74
		For 3" WG (Class B), Add	40.18	
		For 4" Or 6" WG (Class A), Add	85.72	
		For 10" WG (Class A), Add	123.23	
		For Work In Restricted Working Space, Add	80.37	
23 31 13 13-0717	LF	40" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	311.50	164.16
		For 3" WG (Class B), Add	41.04	
		For 4" Or 6" WG (Class A), Add	87.55	
		For 10" WG (Class A), Add	125.85	
		For Work In Restricted Working Space, Add	82.08	
23 31 13 13-0718	LF	42" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	272.56	143.64
		For 3" WG (Class B), Add	35.91	
		For 4" Or 6" WG (Class A), Add	76.60	
		For 10" WG (Class A), Add	110.12	
		For Work In Restricted Working Space, Add	71.82	
23 31 13 13-0719	LF	42" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	279.06	147.06
		For 3" WG (Class B), Add	36.77	
		For 4" Or 6" WG (Class A), Add	78.43	
		For 10" WG (Class A), Add	112.75	
		For Work In Restricted Working Space, Add	73.53	
23 31 13 13-0720	LF	42" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	285.54	150.48
		For 3" WG (Class B), Add	37.62	
		For 4" Or 6" WG (Class A), Add	80.26	
		For 10" WG (Class A), Add	115.37	
		For Work In Restricted Working Space, Add	75.24	
23 31 13 13-0721	LF	42" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	292.03	153.89
		For 3" WG (Class B), Add	38.47	
		For 4" Or 6" WG (Class A), Add	82.08	
		For 10" WG (Class A), Add	117.99	
		For Work In Restricted Working Space, Add	76.95	
23 31 13 13-0722	LF	42" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	298.51	157.32
		For 3" WG (Class B), Add	39.33	
		For 4" Or 6" WG (Class A), Add	83.90	
		For 10" WG (Class A), Add	120.61	
		For Work In Restricted Working Space, Add	78.66	
23 31 13 13-0723	LF	42" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	305.00	160.74
		For 3" WG (Class B), Add	40.18	
		For 4" Or 6" WG (Class A), Add	85.72	
		For 10" WG (Class A), Add	123.23	
		For Work In Restricted Working Space, Add	80.37	
23 31 13 13-0724	LF	42" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	311.50	164.16
		For 3" WG (Class B), Add	41.04	
		For 4" Or 6" WG (Class A), Add	87.55	
		For 10" WG (Class A), Add	125.85	
		For Work In Restricted Working Space, Add	82.08	
23 31 13 13-0725	LF	42" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	317.98	167.58
		For 3" WG (Class B), Add	41.89	
		For 4" Or 6" WG (Class A), Add	89.37	
		For 10" WG (Class A), Add	128.47	
		For Work In Restricted Working Space, Add	83.79	
23 31 13 13-0726	LF	44" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	285.54	150.48
		For 3" WG (Class B), Add	37.62	
		For 4" Or 6" WG (Class A), Add	80.26	
		For 10" WG (Class A), Add	115.37	
		For Work In Restricted Working Space, Add	75.24	
23 31 13 13-0727	LF	44" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	292.03	153.89
		For 3" WG (Class B), Add	38.47	
		For 4" Or 6" WG (Class A), Add	82.08	
		For 10" WG (Class A), Add	117.99	
		For Work In Restricted Working Space, Add	76.95	
23 31 13 13-0728	LF	44" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	298.51	157.32
		For 3" WG (Class B), Add	39.33	
		For 4" Or 6" WG (Class A), Add	83.90	
		For 10" WG (Class A), Add	120.61	
		For Work In Restricted Working Space, Add	78.66	
23 31 13 13-0729	LF	44" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	305.00	160.74
		For 3" WG (Class B), Add	40.18	
		For 4" Or 6" WG (Class A), Add	85.72	
		For 10" WG (Class A), Add	123.23	
		For Work In Restricted Working Space, Add	80.37	
23 31 13 13-0730	LF	44" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	311.50	164.16
		For 3" WG (Class B), Add	41.04	
		For 4" Or 6" WG (Class A), Add	87.55	
		For 10" WG (Class A), Add	125.85	
		For Work In Restricted Working Space, Add	82.08	
23 31 13 13-0731	LF	44" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	317.98	167.58
		For 3" WG (Class B), Add	41.89	
		For 4" Or 6" WG (Class A), Add	89.37	
		For 10" WG (Class A), Add	128.47	
		For Work In Restricted Working Space, Add	83.79	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0732	LF	44" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	324.48	171.00
		For 3" WG (Class B), Add	42.75	
		For 4" Or 6" WG (Class A), Add	91.20	
		For 10" WG (Class A), Add	131.10	
		For Work In Restricted Working Space, Add	85.50	
23 31 13 13-0733	LF	46" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	298.51	157.32
		For 3" WG (Class B), Add	39.33	
		For 4" Or 6" WG (Class A), Add	83.90	
		For 10" WG (Class A), Add	120.61	
		For Work In Restricted Working Space, Add	78.66	
23 31 13 13-0734	LF	46" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	305.00	160.74
		For 3" WG (Class B), Add	40.18	
		For 4" Or 6" WG (Class A), Add	85.72	
		For 10" WG (Class A), Add	123.23	
		For Work In Restricted Working Space, Add	80.37	
23 31 13 13-0735	LF	46" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	311.50	164.16
		For 3" WG (Class B), Add	41.04	
		For 4" Or 6" WG (Class A), Add	87.55	
		For 10" WG (Class A), Add	125.85	
		For Work In Restricted Working Space, Add	82.08	
23 31 13 13-0736	LF	46" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	317.98	167.58
		For 3" WG (Class B), Add	41.89	
		For 4" Or 6" WG (Class A), Add	89.37	
		For 10" WG (Class A), Add	128.47	
		For Work In Restricted Working Space, Add	83.79	
23 31 13 13-0737	LF	46" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	324.48	171.00
		For 3" WG (Class B), Add	42.75	
		For 4" Or 6" WG (Class A), Add	91.20	
		For 10" WG (Class A), Add	131.10	
		For Work In Restricted Working Space, Add	85.50	
23 31 13 13-0738	LF	46" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	336.67	177.84
		For 3" WG (Class B), Add	44.46	
		For 4" Or 6" WG (Class A), Add	94.84	
		For 10" WG (Class A), Add	136.34	
		For Work In Restricted Working Space, Add	88.92	
23 31 13 13-0739	LF	46" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	343.15	181.26
		For 3" WG (Class B), Add	45.31	
		For 4" Or 6" WG (Class A), Add	96.67	
		For 10" WG (Class A), Add	138.96	
		For Work In Restricted Working Space, Add	90.63	
23 31 13 13-0740	LF	48" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	311.50	164.16
		For 3" WG (Class B), Add	41.04	
		For 4" Or 6" WG (Class A), Add	87.55	
		For 10" WG (Class A), Add	125.85	
		For Work In Restricted Working Space, Add	82.08	
23 31 13 13-0741	LF	48" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	317.98	167.58
		For 3" WG (Class B), Add	41.89	
		For 4" Or 6" WG (Class A), Add	89.37	
		For 10" WG (Class A), Add	128.47	
		For Work In Restricted Working Space, Add	83.79	
23 31 13 13-0742	LF	48" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	324.48	171.00
		For 3" WG (Class B), Add	42.75	
		For 4" Or 6" WG (Class A), Add	91.20	
		For 10" WG (Class A), Add	131.10	
		For Work In Restricted Working Space, Add	85.50	
23 31 13 13-0743	LF	48" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	330.98	174.41
		For 3" WG (Class B), Add	43.61	
		For 4" Or 6" WG (Class A), Add	93.02	
		For 10" WG (Class A), Add	133.72	
		For Work In Restricted Working Space, Add	87.21	
23 31 13 13-0744	LF	48" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	337.45	177.84
		For 3" WG (Class B), Add	44.46	
		For 4" Or 6" WG (Class A), Add	94.84	
		For 10" WG (Class A), Add	136.34	
		For Work In Restricted Working Space, Add	88.92	
23 31 13 13-0745	LF	48" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	343.95	181.26
		For 3" WG (Class B), Add	45.31	
		For 4" Or 6" WG (Class A), Add	96.67	
		For 10" WG (Class A), Add	138.96	
		For Work In Restricted Working Space, Add	90.63	
23 31 13 13-0746	LF	48" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	350.43	184.68
		For 3" WG (Class B), Add	46.17	
		For 4" Or 6" WG (Class A), Add	98.49	
		For 10" WG (Class A), Add	141.58	
		For Work In Restricted Working Space, Add	92.34	
23 31 13 13-0747	LF	50" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	324.48	171.00
		For 3" WG (Class B), Add	42.75	
		For 4" Or 6" WG (Class A), Add	91.20	
		For 10" WG (Class A), Add	131.10	
		For Work In Restricted Working Space, Add	85.50	
23 31 13 13-0748	LF	50" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	330.98	174.41
		For 3" WG (Class B), Add	43.61	
		For 4" Or 6" WG (Class A), Add	93.02	
		For 10" WG (Class A), Add	133.72	
		For Work In Restricted Working Space, Add	87.21	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
HVAC Ducts and Casings			23 31

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
23 31 13	13-0749	LF 50" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	337.45 44.46 94.84 136.34 88.92	177.84
23 31 13	13-0750	LF 50" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	343.95 45.31 96.67 138.96 90.63	181.26
23 31 13	13-0751	LF 50" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	350.43 46.17 98.49 141.58 92.34	184.68
23 31 13	13-0752	LF 50" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	356.92 47.02 100.32 144.21 94.05	188.10
23 31 13	13-0753	LF 52" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	337.45 44.46 94.84 136.34 88.92	177.84
23 31 13	13-0754	LF 52" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	343.95 45.31 96.67 138.96 90.63	181.26
23 31 13	13-0755	LF 52" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	350.43 46.17 98.49 141.58 92.34	184.68
23 31 13	13-0756	LF 52" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	356.92 47.02 100.32 144.21 94.05	188.10
23 31 13	13-0757	LF 52" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	363.43 47.88 102.14 146.83 95.76	191.52
23 31 13	13-0758	LF 54" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	350.43 46.17 98.49 141.58 92.34	184.68
23 31 13	13-0759	LF 54" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	356.92 47.02 100.32 144.21 94.05	188.10
23 31 13	13-0760	LF 54" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	363.43 47.88 102.14 146.83 95.76	191.52
23 31 13	13-0761	LF 54" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	369.90 48.73 103.96 149.45 97.47	194.93
23 31 13	13-0762	LF 54" x 62", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	376.40 49.59 105.79 152.08 99.18	198.36
23 31 13	13-0763	LF 54" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	382.87 50.44 107.61 154.69 100.89	201.78
23 31 13	13-0764	LF 56" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	363.43 47.88 102.14 146.83 95.76	191.52
23 31 13	13-0765	LF 56" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	369.90 48.73 103.96 149.45 97.47	194.93

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0766	LF	56" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	376.40	198.36
		For 3" WG (Class B), Add	49.59	
		For 4" Or 6" WG (Class A), Add	105.79	
		For 10" WG (Class A), Add	152.08	
		For Work In Restricted Working Space, Add	99.18	
23 31 13 13-0767	LF	56" x 62", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	382.87	201.78
		For 3" WG (Class B), Add	50.44	
		For 4" Or 6" WG (Class A), Add	107.61	
		For 10" WG (Class A), Add	154.69	
		For Work In Restricted Working Space, Add	100.89	
23 31 13 13-0768	LF	56" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	389.37	205.19
		For 3" WG (Class B), Add	51.30	
		For 4" Or 6" WG (Class A), Add	109.44	
		For 10" WG (Class A), Add	157.32	
		For Work In Restricted Working Space, Add	102.60	
23 31 13 13-0769	LF	58" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	376.40	198.36
		For 3" WG (Class B), Add	49.59	
		For 4" Or 6" WG (Class A), Add	105.79	
		For 10" WG (Class A), Add	152.08	
		For Work In Restricted Working Space, Add	99.18	
23 31 13 13-0770	LF	58" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	382.87	201.78
		For 3" WG (Class B), Add	50.44	
		For 4" Or 6" WG (Class A), Add	107.61	
		For 10" WG (Class A), Add	154.69	
		For Work In Restricted Working Space, Add	100.89	
23 31 13 13-0771	LF	58" x 62", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	389.37	205.19
		For 3" WG (Class B), Add	51.30	
		For 4" Or 6" WG (Class A), Add	109.44	
		For 10" WG (Class A), Add	157.32	
		For Work In Restricted Working Space, Add	102.60	
23 31 13 13-0772	LF	58" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	395.86	208.62
		For 3" WG (Class B), Add	52.15	
		For 4" Or 6" WG (Class A), Add	111.26	
		For 10" WG (Class A), Add	159.94	
		For Work In Restricted Working Space, Add	104.31	
23 31 13 13-0773	LF	58" x 66", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	402.34	212.03
		For 3" WG (Class B), Add	53.01	
		For 4" Or 6" WG (Class A), Add	113.08	
		For 10" WG (Class A), Add	162.56	
		For Work In Restricted Working Space, Add	106.02	
23 31 13 13-0774	LF	60" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	389.37	205.19
		For 3" WG (Class B), Add	51.30	
		For 4" Or 6" WG (Class A), Add	109.44	
		For 10" WG (Class A), Add	157.32	
		For Work In Restricted Working Space, Add	102.60	
23 31 13 13-0775	LF	60" x 62", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	395.86	208.62
		For 3" WG (Class B), Add	52.15	
		For 4" Or 6" WG (Class A), Add	111.26	
		For 10" WG (Class A), Add	159.94	
		For Work In Restricted Working Space, Add	104.31	
23 31 13 13-0776	LF	60" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	402.34	212.03
		For 3" WG (Class B), Add	53.01	
		For 4" Or 6" WG (Class A), Add	113.08	
		For 10" WG (Class A), Add	162.56	
		For Work In Restricted Working Space, Add	106.02	
23 31 13 13-0777	LF	60" x 66", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	408.85	215.45
		For 3" WG (Class B), Add	53.87	
		For 4" Or 6" WG (Class A), Add	114.91	
		For 10" WG (Class A), Add	165.19	
		For Work In Restricted Working Space, Add	107.73	
23 31 13 13-0778	LF	60" x 68", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	415.33	218.87
		For 3" WG (Class B), Add	54.72	
		For 4" Or 6" WG (Class A), Add	116.73	
		For 10" WG (Class A), Add	167.80	
		For Work In Restricted Working Space, Add	109.44	
23 31 13 13-0779	LF	62" x 62", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	402.34	212.03
		For 3" WG (Class B), Add	53.01	
		For 4" Or 6" WG (Class A), Add	113.08	
		For 10" WG (Class A), Add	162.56	
		For Work In Restricted Working Space, Add	106.02	
23 31 13 13-0780	LF	62" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	408.85	215.45
		For 3" WG (Class B), Add	53.87	
		For 4" Or 6" WG (Class A), Add	114.91	
		For 10" WG (Class A), Add	165.19	
		For Work In Restricted Working Space, Add	107.73	
23 31 13 13-0781	LF	62" x 66", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	415.33	218.87
		For 3" WG (Class B), Add	54.72	
		For 4" Or 6" WG (Class A), Add	116.73	
		For 10" WG (Class A), Add	167.80	
		For Work In Restricted Working Space, Add	109.44	
23 31 13 13-0782	LF	62" x 68", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	421.82	222.30
		For 3" WG (Class B), Add	55.58	
		For 4" Or 6" WG (Class A), Add	118.56	
		For 10" WG (Class A), Add	170.43	
		For Work In Restricted Working Space, Add	111.15	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Air Distribution			23 30	
HVAC Ducts and Casings			23 31	

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
23 31 13	13-0783	LF 62" x 70", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	428.31 56.43 120.38 173.05 112.86	225.71
23 31 13	13-0784	LF 64" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	415.33 54.72 116.73 167.80 109.44	218.87
23 31 13	13-0785	LF 64" x 66", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	421.82 55.58 118.56 170.43 111.15	222.30
23 31 13	13-0786	LF 64" x 68", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	428.31 56.43 120.38 173.05 112.86	225.71
23 31 13	13-0787	LF 64" x 70", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	434.79 57.28 122.20 175.67 114.57	229.14
23 31 13	13-0788	LF 66" x 66", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	428.31 56.43 120.38 173.05 112.86	225.71
23 31 13	13-0789	LF 66" x 68", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	434.79 57.28 122.20 175.67 114.57	229.14
23 31 13	13-0790	LF 66" x 70", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	441.28 58.14 124.03 178.29 116.27	232.55
23 31 13	13-0791	LF 66" x 72", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	447.78 58.99 125.85 180.91 117.99	235.97
23 31 13	13-0792	LF 68" x 68", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	441.28 58.14 124.03 178.29 116.27	232.55
23 31 13	13-0793	LF 68" x 70", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	447.78 58.99 125.85 180.91 117.99	235.97
23 31 13	13-0794	LF 68" x 72", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	454.26 59.85 127.68 183.54 119.70	239.39
23 31 13	13-0795	LF 68" x 74", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	460.76 60.70 129.50 186.16 121.41	242.82
23 31 13	13-0796	LF 70" x 70", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	454.26 59.85 127.68 183.54 119.70	239.39
23 31 13	13-0797	LF 70" x 72", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	460.76 60.70 129.50 186.16 121.41	242.82
23 31 13	13-0798	LF 70" x 74", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	467.26 61.56 131.33 188.78 123.12	246.23
23 31 13	13-0799	LF 70" x 76", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	473.73 62.41 133.15 191.40 124.83	249.66

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0800	LF	70" x 78", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	480.23	253.07
		For 3" WG (Class B), Add	63.27	
		For 4" Or 6" WG (Class A), Add	134.97	
		For 10" WG (Class A), Add	194.02	
		For Work In Restricted Working Space, Add	126.54	
23 31 13 13-0801	LF	70" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	486.70	256.49
		For 3" WG (Class B), Add	64.12	
		For 4" Or 6" WG (Class A), Add	136.79	
		For 10" WG (Class A), Add	196.64	
		For Work In Restricted Working Space, Add	128.24	
23 31 13 13-0802	LF	70" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	493.21	259.91
		For 3" WG (Class B), Add	64.98	
		For 4" Or 6" WG (Class A), Add	138.62	
		For 10" WG (Class A), Add	199.27	
		For Work In Restricted Working Space, Add	129.96	
23 31 13 13-0803	LF	70" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	499.70	263.33
		For 3" WG (Class B), Add	65.83	
		For 4" Or 6" WG (Class A), Add	140.44	
		For 10" WG (Class A), Add	201.89	
		For Work In Restricted Working Space, Add	131.67	
23 31 13 13-0804	LF	72" x 72", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	467.26	246.23
		For 3" WG (Class B), Add	61.56	
		For 4" Or 6" WG (Class A), Add	131.33	
		For 10" WG (Class A), Add	188.78	
		For Work In Restricted Working Space, Add	123.12	
23 31 13 13-0805	LF	72" x 74", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	473.73	249.66
		For 3" WG (Class B), Add	62.41	
		For 4" Or 6" WG (Class A), Add	133.15	
		For 10" WG (Class A), Add	191.40	
		For Work In Restricted Working Space, Add	124.83	
23 31 13 13-0806	LF	72" x 76", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	480.23	253.07
		For 3" WG (Class B), Add	63.27	
		For 4" Or 6" WG (Class A), Add	134.97	
		For 10" WG (Class A), Add	194.02	
		For Work In Restricted Working Space, Add	126.54	
23 31 13 13-0807	LF	72" x 78", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	486.70	256.49
		For 3" WG (Class B), Add	64.12	
		For 4" Or 6" WG (Class A), Add	136.79	
		For 10" WG (Class A), Add	196.64	
		For Work In Restricted Working Space, Add	128.24	
23 31 13 13-0808	LF	72" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	493.21	259.91
		For 3" WG (Class B), Add	64.98	
		For 4" Or 6" WG (Class A), Add	138.62	
		For 10" WG (Class A), Add	199.27	
		For Work In Restricted Working Space, Add	129.96	
23 31 13 13-0809	LF	72" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	499.70	263.33
		For 3" WG (Class B), Add	65.83	
		For 4" Or 6" WG (Class A), Add	140.44	
		For 10" WG (Class A), Add	201.89	
		For Work In Restricted Working Space, Add	131.67	
23 31 13 13-0810	LF	72" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	506.18	266.75
		For 3" WG (Class B), Add	66.69	
		For 4" Or 6" WG (Class A), Add	142.27	
		For 10" WG (Class A), Add	204.51	
		For Work In Restricted Working Space, Add	133.38	
23 31 13 13-0811	LF	74" x 74", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	480.23	253.07
		For 3" WG (Class B), Add	63.27	
		For 4" Or 6" WG (Class A), Add	134.97	
		For 10" WG (Class A), Add	194.02	
		For Work In Restricted Working Space, Add	126.54	
23 31 13 13-0812	LF	74" x 76", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	486.70	256.49
		For 3" WG (Class B), Add	64.12	
		For 4" Or 6" WG (Class A), Add	136.79	
		For 10" WG (Class A), Add	196.64	
		For Work In Restricted Working Space, Add	128.24	
23 31 13 13-0813	LF	74" x 78", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	493.21	259.91
		For 3" WG (Class B), Add	64.98	
		For 4" Or 6" WG (Class A), Add	138.62	
		For 10" WG (Class A), Add	199.27	
		For Work In Restricted Working Space, Add	129.96	
23 31 13 13-0814	LF	74" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	499.70	263.33
		For 3" WG (Class B), Add	65.83	
		For 4" Or 6" WG (Class A), Add	140.44	
		For 10" WG (Class A), Add	201.89	
		For Work In Restricted Working Space, Add	131.67	
23 31 13 13-0815	LF	74" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	506.18	266.75
		For 3" WG (Class B), Add	66.69	
		For 4" Or 6" WG (Class A), Add	142.27	
		For 10" WG (Class A), Add	204.51	
		For Work In Restricted Working Space, Add	133.38	
23 31 13 13-0816	LF	74" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	512.68	270.18
		For 3" WG (Class B), Add	67.54	
		For 4" Or 6" WG (Class A), Add	144.09	
		For 10" WG (Class A), Add	207.13	
		For Work In Restricted Working Space, Add	135.09	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
HVAC Ducts and Casings			23 31

23

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
23 31 13 13-0817	LF	76" x 76", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	493.21	259.91
		For 3" WG (Class B), Add	64.98	
		For 4" Or 6" WG (Class A), Add	138.62	
		For 10" WG (Class A), Add	199.27	
		For Work In Restricted Working Space, Add	129.96	
23 31 13 13-0818	LF	76" x 78", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	499.70	263.33
		For 3" WG (Class B), Add	65.83	
		For 4" Or 6" WG (Class A), Add	140.44	
		For 10" WG (Class A), Add	201.89	
		For Work In Restricted Working Space, Add	131.67	
23 31 13 13-0819	LF	76" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	506.18	266.75
		For 3" WG (Class B), Add	66.69	
		For 4" Or 6" WG (Class A), Add	142.27	
		For 10" WG (Class A), Add	204.51	
		For Work In Restricted Working Space, Add	133.38	
23 31 13 13-0820	LF	76" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	512.68	270.18
		For 3" WG (Class B), Add	67.54	
		For 4" Or 6" WG (Class A), Add	144.09	
		For 10" WG (Class A), Add	207.13	
		For Work In Restricted Working Space, Add	135.09	
23 31 13 13-0821	LF	76" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	519.16	273.59
		For 3" WG (Class B), Add	68.40	
		For 4" Or 6" WG (Class A), Add	145.92	
		For 10" WG (Class A), Add	209.76	
		For Work In Restricted Working Space, Add	136.80	
23 31 13 13-0822	LF	78" x 78", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	506.18	266.75
		For 3" WG (Class B), Add	66.69	
		For 4" Or 6" WG (Class A), Add	142.27	
		For 10" WG (Class A), Add	204.51	
		For Work In Restricted Working Space, Add	133.38	
23 31 13 13-0823	LF	78" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	512.68	270.18
		For 3" WG (Class B), Add	67.54	
		For 4" Or 6" WG (Class A), Add	144.09	
		For 10" WG (Class A), Add	207.13	
		For Work In Restricted Working Space, Add	135.09	
23 31 13 13-0824	LF	78" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	519.16	273.59
		For 3" WG (Class B), Add	68.40	
		For 4" Or 6" WG (Class A), Add	145.92	
		For 10" WG (Class A), Add	209.76	
		For Work In Restricted Working Space, Add	136.80	
23 31 13 13-0825	LF	78" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	525.65	277.01
		For 3" WG (Class B), Add	69.25	
		For 4" Or 6" WG (Class A), Add	147.74	
		For 10" WG (Class A), Add	212.38	
		For Work In Restricted Working Space, Add	138.51	
23 31 13 13-0826	LF	80" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	519.16	273.59
		For 3" WG (Class B), Add	68.40	
		For 4" Or 6" WG (Class A), Add	145.92	
		For 10" WG (Class A), Add	209.76	
		For Work In Restricted Working Space, Add	136.80	
23 31 13 13-0827	LF	80" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	525.65	277.01
		For 3" WG (Class B), Add	69.25	
		For 4" Or 6" WG (Class A), Add	147.74	
		For 10" WG (Class A), Add	212.38	
		For Work In Restricted Working Space, Add	138.51	
23 31 13 13-0828	LF	80" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	532.14	280.43
		For 3" WG (Class B), Add	70.11	
		For 4" Or 6" WG (Class A), Add	149.56	
		For 10" WG (Class A), Add	214.99	
		For Work In Restricted Working Space, Add	140.21	
23 31 13 13-0829	LF	82" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	532.14	280.43
		For 3" WG (Class B), Add	70.11	
		For 4" Or 6" WG (Class A), Add	149.56	
		For 10" WG (Class A), Add	214.99	
		For Work In Restricted Working Space, Add	140.21	
23 31 13 13-0830	LF	82" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	538.63	283.85
		For 3" WG (Class B), Add	70.96	
		For 4" Or 6" WG (Class A), Add	151.39	
		For 10" WG (Class A), Add	217.62	
		For Work In Restricted Working Space, Add	141.93	
23 31 13 13-0831	LF	84" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	545.12	287.27
		For 3" WG (Class B), Add	71.82	
		For 4" Or 6" WG (Class A), Add	153.21	
		For 10" WG (Class A), Add	220.24	
		For Work In Restricted Working Space, Add	143.64	
23 31 13 13-0832 18 Gauge Galvanized Steel Metal Ductwork (23 31 13 13-0014)				
23 31 13 13-0833	LF	4" x 4", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	33.81	17.80
		For 3" WG (Class B), Add	4.45	
		For 4" Or 6" WG (Class A), Add	9.50	
		For 10" WG (Class A), Add	13.66	
		For Work In Restricted Working Space, Add	8.91	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0834 LF 4" x 6", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	42.24	22.26
For 3" WG (Class B), Add	5.57	
For 4" Or 6" WG (Class A), Add	11.87	
For 10" WG (Class A), Add	17.07	
For Work In Restricted Working Space, Add	11.13	
23 31 13 13-0835 LF 4" x 8", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	50.69	26.72
For 3" WG (Class B), Add	6.68	
For 4" Or 6" WG (Class A), Add	14.25	
For 10" WG (Class A), Add	20.48	
For Work In Restricted Working Space, Add	13.36	
23 31 13 13-0836 LF 4" x 12", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	59.14	31.17
For 3" WG (Class B), Add	7.79	
For 4" Or 6" WG (Class A), Add	16.62	
For 10" WG (Class A), Add	23.90	
For Work In Restricted Working Space, Add	15.59	
23 31 13 13-0837 LF 4" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	67.60	35.62
For 3" WG (Class B), Add	8.91	
For 4" Or 6" WG (Class A), Add	19.00	
For 10" WG (Class A), Add	27.31	
For Work In Restricted Working Space, Add	17.81	
23 31 13 13-0838 LF 4" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	76.04	40.07
For 3" WG (Class B), Add	10.02	
For 4" Or 6" WG (Class A), Add	21.37	
For 10" WG (Class A), Add	30.72	
For Work In Restricted Working Space, Add	20.03	
23 31 13 13-0839 LF 4" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	84.49	44.52
For 3" WG (Class B), Add	11.13	
For 4" Or 6" WG (Class A), Add	23.75	
For 10" WG (Class A), Add	34.14	
For Work In Restricted Working Space, Add	22.26	
23 31 13 13-0840 LF 6" x 6", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	50.69	26.72
For 3" WG (Class B), Add	6.68	
For 4" Or 6" WG (Class A), Add	14.25	
For 10" WG (Class A), Add	20.48	
For Work In Restricted Working Space, Add	13.36	
23 31 13 13-0841 LF 6" x 8", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	59.14	31.17
For 3" WG (Class B), Add	7.79	
For 4" Or 6" WG (Class A), Add	16.62	
For 10" WG (Class A), Add	23.90	
For Work In Restricted Working Space, Add	15.59	
23 31 13 13-0842 LF 6" x 10", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	67.60	35.62
For 3" WG (Class B), Add	8.91	
For 4" Or 6" WG (Class A), Add	19.00	
For 10" WG (Class A), Add	27.31	
For Work In Restricted Working Space, Add	17.81	
23 31 13 13-0843 LF 6" x 12", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	76.04	40.07
For 3" WG (Class B), Add	10.02	
For 4" Or 6" WG (Class A), Add	21.37	
For 10" WG (Class A), Add	30.72	
For Work In Restricted Working Space, Add	20.03	
23 31 13 13-0844 LF 6" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	84.49	44.52
For 3" WG (Class B), Add	11.13	
For 4" Or 6" WG (Class A), Add	23.75	
For 10" WG (Class A), Add	34.14	
For Work In Restricted Working Space, Add	22.26	
23 31 13 13-0845 LF 6" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	92.95	48.98
For 3" WG (Class B), Add	12.25	
For 4" Or 6" WG (Class A), Add	26.12	
For 10" WG (Class A), Add	37.55	
For Work In Restricted Working Space, Add	24.49	
23 31 13 13-0846 LF 8" x 8", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	67.60	35.62
For 3" WG (Class B), Add	8.91	
For 4" Or 6" WG (Class A), Add	19.00	
For 10" WG (Class A), Add	27.31	
For Work In Restricted Working Space, Add	17.81	
23 31 13 13-0847 LF 8" x 10", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	76.04	40.07
For 3" WG (Class B), Add	10.02	
For 4" Or 6" WG (Class A), Add	21.37	
For 10" WG (Class A), Add	30.72	
For Work In Restricted Working Space, Add	20.03	
23 31 13 13-0848 LF 8" x 12", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	84.49	44.52
For 3" WG (Class B), Add	11.13	
For 4" Or 6" WG (Class A), Add	23.75	
For 10" WG (Class A), Add	34.14	
For Work In Restricted Working Space, Add	22.26	
23 31 13 13-0849 LF 8" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	92.95	48.98
For 3" WG (Class B), Add	12.25	
For 4" Or 6" WG (Class A), Add	26.12	
For 10" WG (Class A), Add	37.55	
For Work In Restricted Working Space, Add	24.49	
23 31 13 13-0850 LF 8" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	101.38	53.43
For 3" WG (Class B), Add	13.36	
For 4" Or 6" WG (Class A), Add	28.50	
For 10" WG (Class A), Add	40.96	
For Work In Restricted Working Space, Add	26.72	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Air Distribution			23 30	
HVAC Ducts and Casings			23 31	

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
23 31 13 13-0851	LF	8" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	109.84	57.88
		For 3" WG (Class B), Add	14.47	
		For 4" Or 6" WG (Class A), Add	30.87	
		For 10" WG (Class A), Add	44.38	
		For Work In Restricted Working Space, Add	28.94	
23 31 13 13-0852	LF	8" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	118.29	62.33
		For 3" WG (Class B), Add	15.58	
		For 4" Or 6" WG (Class A), Add	33.24	
		For 10" WG (Class A), Add	47.79	
		For Work In Restricted Working Space, Add	31.17	
23 31 13 13-0853	LF	8" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	126.73	66.78
		For 3" WG (Class B), Add	16.70	
		For 4" Or 6" WG (Class A), Add	35.62	
		For 10" WG (Class A), Add	51.20	
		For Work In Restricted Working Space, Add	33.39	
23 31 13 13-0854	LF	8" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	135.18	71.24
		For 3" WG (Class B), Add	17.81	
		For 4" Or 6" WG (Class A), Add	37.99	
		For 10" WG (Class A), Add	54.62	
		For Work In Restricted Working Space, Add	35.62	
23 31 13 13-0855	LF	10" x 10", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	84.49	44.52
		For 3" WG (Class B), Add	11.13	
		For 4" Or 6" WG (Class A), Add	23.75	
		For 10" WG (Class A), Add	34.14	
		For Work In Restricted Working Space, Add	22.26	
23 31 13 13-0856	LF	10" x 12", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	92.95	48.98
		For 3" WG (Class B), Add	12.25	
		For 4" Or 6" WG (Class A), Add	26.12	
		For 10" WG (Class A), Add	37.55	
		For Work In Restricted Working Space, Add	24.49	
23 31 13 13-0857	LF	10" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	101.38	53.43
		For 3" WG (Class B), Add	13.36	
		For 4" Or 6" WG (Class A), Add	28.50	
		For 10" WG (Class A), Add	40.96	
		For Work In Restricted Working Space, Add	26.72	
23 31 13 13-0858	LF	10" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	109.84	57.88
		For 3" WG (Class B), Add	14.47	
		For 4" Or 6" WG (Class A), Add	30.87	
		For 10" WG (Class A), Add	44.38	
		For Work In Restricted Working Space, Add	28.94	
23 31 13 13-0859	LF	10" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	118.29	62.33
		For 3" WG (Class B), Add	15.58	
		For 4" Or 6" WG (Class A), Add	33.24	
		For 10" WG (Class A), Add	47.79	
		For Work In Restricted Working Space, Add	31.17	
23 31 13 13-0860	LF	10" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	126.73	66.78
		For 3" WG (Class B), Add	16.70	
		For 4" Or 6" WG (Class A), Add	35.62	
		For 10" WG (Class A), Add	51.20	
		For Work In Restricted Working Space, Add	33.39	
23 31 13 13-0861	LF	10" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	135.18	71.24
		For 3" WG (Class B), Add	17.81	
		For 4" Or 6" WG (Class A), Add	37.99	
		For 10" WG (Class A), Add	54.62	
		For Work In Restricted Working Space, Add	35.62	
23 31 13 13-0862	LF	10" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	143.63	75.70
		For 3" WG (Class B), Add	18.92	
		For 4" Or 6" WG (Class A), Add	40.37	
		For 10" WG (Class A), Add	58.03	
		For Work In Restricted Working Space, Add	37.85	
23 31 13 13-0863	LF	10" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	152.08	80.15
		For 3" WG (Class B), Add	20.04	
		For 4" Or 6" WG (Class A), Add	42.74	
		For 10" WG (Class A), Add	61.44	
		For Work In Restricted Working Space, Add	40.07	
23 31 13 13-0864	LF	10" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	160.54	84.60
		For 3" WG (Class B), Add	21.15	
		For 4" Or 6" WG (Class A), Add	45.12	
		For 10" WG (Class A), Add	64.86	
		For Work In Restricted Working Space, Add	42.30	
23 31 13 13-0865	LF	10" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	168.98	89.05
		For 3" WG (Class B), Add	22.26	
		For 4" Or 6" WG (Class A), Add	47.49	
		For 10" WG (Class A), Add	68.27	
		For Work In Restricted Working Space, Add	44.53	
23 31 13 13-0866	LF	10" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	177.42	93.50
		For 3" WG (Class B), Add	23.37	
		For 4" Or 6" WG (Class A), Add	49.87	
		For 10" WG (Class A), Add	71.68	
		For Work In Restricted Working Space, Add	46.75	
23 31 13 13-0867	LF	12" x 12", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	101.38	53.43
		For 3" WG (Class B), Add	13.36	
		For 4" Or 6" WG (Class A), Add	28.50	
		For 10" WG (Class A), Add	40.96	
		For Work In Restricted Working Space, Add	26.72	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0868	LF	12" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	109.84	57.88
		For 3" WG (Class B), Add	14.47	
		For 4" Or 6" WG (Class A), Add	30.87	
		For 10" WG (Class A), Add	44.38	
		For Work In Restricted Working Space, Add	28.94	
23 31 13 13-0869	LF	12" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	118.29	62.33
		For 3" WG (Class B), Add	15.58	
		For 4" Or 6" WG (Class A), Add	33.24	
		For 10" WG (Class A), Add	47.79	
		For Work In Restricted Working Space, Add	31.17	
23 31 13 13-0870	LF	12" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	126.73	66.78
		For 3" WG (Class B), Add	16.70	
		For 4" Or 6" WG (Class A), Add	35.62	
		For 10" WG (Class A), Add	51.20	
		For Work In Restricted Working Space, Add	33.39	
23 31 13 13-0871	LF	12" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	135.18	71.24
		For 3" WG (Class B), Add	17.81	
		For 4" Or 6" WG (Class A), Add	37.99	
		For 10" WG (Class A), Add	54.62	
		For Work In Restricted Working Space, Add	35.62	
23 31 13 13-0872	LF	12" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	143.63	75.70
		For 3" WG (Class B), Add	18.92	
		For 4" Or 6" WG (Class A), Add	40.37	
		For 10" WG (Class A), Add	58.03	
		For Work In Restricted Working Space, Add	37.85	
23 31 13 13-0873	LF	12" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	152.08	80.15
		For 3" WG (Class B), Add	20.04	
		For 4" Or 6" WG (Class A), Add	42.74	
		For 10" WG (Class A), Add	61.44	
		For Work In Restricted Working Space, Add	40.07	
23 31 13 13-0874	LF	12" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	160.54	84.60
		For 3" WG (Class B), Add	21.15	
		For 4" Or 6" WG (Class A), Add	45.12	
		For 10" WG (Class A), Add	64.86	
		For Work In Restricted Working Space, Add	42.30	
23 31 13 13-0875	LF	12" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	168.98	89.05
		For 3" WG (Class B), Add	22.26	
		For 4" Or 6" WG (Class A), Add	47.49	
		For 10" WG (Class A), Add	68.27	
		For Work In Restricted Working Space, Add	44.53	
23 31 13 13-0876	LF	12" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	177.42	93.50
		For 3" WG (Class B), Add	23.37	
		For 4" Or 6" WG (Class A), Add	49.87	
		For 10" WG (Class A), Add	71.68	
		For Work In Restricted Working Space, Add	46.75	
23 31 13 13-0877	LF	12" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	185.86	97.96
		For 3" WG (Class B), Add	24.49	
		For 4" Or 6" WG (Class A), Add	52.24	
		For 10" WG (Class A), Add	75.10	
		For Work In Restricted Working Space, Add	48.98	
23 31 13 13-0878	LF	12" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	194.33	102.41
		For 3" WG (Class B), Add	25.60	
		For 4" Or 6" WG (Class A), Add	54.62	
		For 10" WG (Class A), Add	78.51	
		For Work In Restricted Working Space, Add	51.20	
23 31 13 13-0879	LF	12" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	202.78	106.86
		For 3" WG (Class B), Add	26.72	
		For 4" Or 6" WG (Class A), Add	56.99	
		For 10" WG (Class A), Add	81.93	
		For Work In Restricted Working Space, Add	53.43	
23 31 13 13-0880	LF	14" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	118.29	62.33
		For 3" WG (Class B), Add	15.58	
		For 4" Or 6" WG (Class A), Add	33.24	
		For 10" WG (Class A), Add	47.79	
		For Work In Restricted Working Space, Add	31.17	
23 31 13 13-0881	LF	14" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	126.73	66.78
		For 3" WG (Class B), Add	16.70	
		For 4" Or 6" WG (Class A), Add	35.62	
		For 10" WG (Class A), Add	51.20	
		For Work In Restricted Working Space, Add	33.39	
23 31 13 13-0882	LF	14" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	135.18	71.24
		For 3" WG (Class B), Add	17.81	
		For 4" Or 6" WG (Class A), Add	37.99	
		For 10" WG (Class A), Add	54.62	
		For Work In Restricted Working Space, Add	35.62	
23 31 13 13-0883	LF	14" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	143.63	75.70
		For 3" WG (Class B), Add	18.92	
		For 4" Or 6" WG (Class A), Add	40.37	
		For 10" WG (Class A), Add	58.03	
		For Work In Restricted Working Space, Add	37.85	
23 31 13 13-0884	LF	14" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	152.08	80.15
		For 3" WG (Class B), Add	20.04	
		For 4" Or 6" WG (Class A), Add	42.74	
		For 10" WG (Class A), Add	61.44	
		For Work In Restricted Working Space, Add	40.07	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
HVAC Ducts and Casings			23 31

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0885	LF	14" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	160.54	84.60
			For 3" WG (Class B), Add	21.15	
			For 4" Or 6" WG (Class A), Add	45.12	
			For 10" WG (Class A), Add	64.86	
			For Work In Restricted Working Space, Add	42.30	
23 31 13	13-0886	LF	14" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	168.98	89.05
			For 3" WG (Class B), Add	22.26	
			For 4" Or 6" WG (Class A), Add	47.49	
			For 10" WG (Class A), Add	68.27	
			For Work In Restricted Working Space, Add	44.53	
23 31 13	13-0887	LF	14" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	177.42	93.50
			For 3" WG (Class B), Add	23.37	
			For 4" Or 6" WG (Class A), Add	49.87	
			For 10" WG (Class A), Add	71.68	
			For Work In Restricted Working Space, Add	46.75	
23 31 13	13-0888	LF	14" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	185.86	97.96
			For 3" WG (Class B), Add	24.49	
			For 4" Or 6" WG (Class A), Add	52.24	
			For 10" WG (Class A), Add	75.10	
			For Work In Restricted Working Space, Add	48.98	
23 31 13	13-0889	LF	14" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	194.33	102.41
			For 3" WG (Class B), Add	25.60	
			For 4" Or 6" WG (Class A), Add	54.62	
			For 10" WG (Class A), Add	78.51	
			For Work In Restricted Working Space, Add	51.20	
23 31 13	13-0890	LF	14" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	202.78	106.86
			For 3" WG (Class B), Add	26.72	
			For 4" Or 6" WG (Class A), Add	56.99	
			For 10" WG (Class A), Add	81.93	
			For Work In Restricted Working Space, Add	53.43	
23 31 13	13-0891	LF	14" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	211.22	111.31
			For 3" WG (Class B), Add	27.83	
			For 4" Or 6" WG (Class A), Add	59.37	
			For 10" WG (Class A), Add	85.34	
			For Work In Restricted Working Space, Add	55.66	
23 31 13	13-0892	LF	16" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	135.18	71.24
			For 3" WG (Class B), Add	17.81	
			For 4" Or 6" WG (Class A), Add	37.99	
			For 10" WG (Class A), Add	54.62	
			For Work In Restricted Working Space, Add	35.62	
23 31 13	13-0893	LF	16" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	143.63	75.70
			For 3" WG (Class B), Add	18.92	
			For 4" Or 6" WG (Class A), Add	40.37	
			For 10" WG (Class A), Add	58.03	
			For Work In Restricted Working Space, Add	37.85	
23 31 13	13-0894	LF	16" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	152.08	80.15
			For 3" WG (Class B), Add	20.04	
			For 4" Or 6" WG (Class A), Add	42.74	
			For 10" WG (Class A), Add	61.44	
			For Work In Restricted Working Space, Add	40.07	
23 31 13	13-0895	LF	16" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	160.54	84.60
			For 3" WG (Class B), Add	21.15	
			For 4" Or 6" WG (Class A), Add	45.12	
			For 10" WG (Class A), Add	64.86	
			For Work In Restricted Working Space, Add	42.30	
23 31 13	13-0896	LF	16" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	168.98	89.05
			For 3" WG (Class B), Add	22.26	
			For 4" Or 6" WG (Class A), Add	47.49	
			For 10" WG (Class A), Add	68.27	
			For Work In Restricted Working Space, Add	44.53	
23 31 13	13-0897	LF	16" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	177.42	93.50
			For 3" WG (Class B), Add	23.37	
			For 4" Or 6" WG (Class A), Add	49.87	
			For 10" WG (Class A), Add	71.68	
			For Work In Restricted Working Space, Add	46.75	
23 31 13	13-0898	LF	16" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	185.86	97.96
			For 3" WG (Class B), Add	24.49	
			For 4" Or 6" WG (Class A), Add	52.24	
			For 10" WG (Class A), Add	75.10	
			For Work In Restricted Working Space, Add	48.98	
23 31 13	13-0899	LF	16" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	194.33	102.41
			For 3" WG (Class B), Add	25.60	
			For 4" Or 6" WG (Class A), Add	54.62	
			For 10" WG (Class A), Add	78.51	
			For Work In Restricted Working Space, Add	51.20	
23 31 13	13-0900	LF	16" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	202.78	106.86
			For 3" WG (Class B), Add	26.72	
			For 4" Or 6" WG (Class A), Add	56.99	
			For 10" WG (Class A), Add	81.93	
			For Work In Restricted Working Space, Add	53.43	
23 31 13	13-0901	LF	16" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	211.22	111.31
			For 3" WG (Class B), Add	27.83	
			For 4" Or 6" WG (Class A), Add	59.37	
			For 10" WG (Class A), Add	85.34	
			For Work In Restricted Working Space, Add	55.66	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0902	LF	16" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	219.67	115.76
		For 3" WG (Class B), Add	28.94	
		For 4" Or 6" WG (Class A), Add	61.74	
		For 10" WG (Class A), Add	88.75	
		For Work In Restricted Working Space, Add	57.88	
23 31 13 13-0903	LF	16" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	228.12	120.21
		For 3" WG (Class B), Add	30.06	
		For 4" Or 6" WG (Class A), Add	64.12	
		For 10" WG (Class A), Add	92.17	
		For Work In Restricted Working Space, Add	60.11	
23 31 13 13-0904	LF	16" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	236.57	124.68
		For 3" WG (Class B), Add	31.17	
		For 4" Or 6" WG (Class A), Add	66.49	
		For 10" WG (Class A), Add	95.58	
		For Work In Restricted Working Space, Add	62.33	
23 31 13 13-0905	LF	16" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	245.02	129.13
		For 3" WG (Class B), Add	32.28	
		For 4" Or 6" WG (Class A), Add	68.86	
		For 10" WG (Class A), Add	98.99	
		For Work In Restricted Working Space, Add	64.56	
23 31 13 13-0906	LF	16" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	253.47	133.57
		For 3" WG (Class B), Add	33.39	
		For 4" Or 6" WG (Class A), Add	71.24	
		For 10" WG (Class A), Add	102.41	
		For Work In Restricted Working Space, Add	66.79	
23 31 13 13-0907	LF	18" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	152.08	80.15
		For 3" WG (Class B), Add	20.04	
		For 4" Or 6" WG (Class A), Add	42.74	
		For 10" WG (Class A), Add	61.44	
		For Work In Restricted Working Space, Add	40.07	
23 31 13 13-0908	LF	18" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	160.54	84.60
		For 3" WG (Class B), Add	21.15	
		For 4" Or 6" WG (Class A), Add	45.12	
		For 10" WG (Class A), Add	64.86	
		For Work In Restricted Working Space, Add	42.30	
23 31 13 13-0909	LF	18" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	168.98	89.05
		For 3" WG (Class B), Add	22.26	
		For 4" Or 6" WG (Class A), Add	47.49	
		For 10" WG (Class A), Add	68.27	
		For Work In Restricted Working Space, Add	44.53	
23 31 13 13-0910	LF	18" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	177.42	93.50
		For 3" WG (Class B), Add	23.37	
		For 4" Or 6" WG (Class A), Add	49.87	
		For 10" WG (Class A), Add	71.68	
		For Work In Restricted Working Space, Add	46.75	
23 31 13 13-0911	LF	18" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	185.86	97.96
		For 3" WG (Class B), Add	24.49	
		For 4" Or 6" WG (Class A), Add	52.24	
		For 10" WG (Class A), Add	75.10	
		For Work In Restricted Working Space, Add	48.98	
23 31 13 13-0912	LF	18" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	194.33	102.41
		For 3" WG (Class B), Add	25.60	
		For 4" Or 6" WG (Class A), Add	54.62	
		For 10" WG (Class A), Add	78.51	
		For Work In Restricted Working Space, Add	51.20	
23 31 13 13-0913	LF	18" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	202.78	106.86
		For 3" WG (Class B), Add	26.72	
		For 4" Or 6" WG (Class A), Add	56.99	
		For 10" WG (Class A), Add	81.93	
		For Work In Restricted Working Space, Add	53.43	
23 31 13 13-0914	LF	18" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	211.22	111.31
		For 3" WG (Class B), Add	27.83	
		For 4" Or 6" WG (Class A), Add	59.37	
		For 10" WG (Class A), Add	85.34	
		For Work In Restricted Working Space, Add	55.66	
23 31 13 13-0915	LF	18" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	219.67	115.76
		For 3" WG (Class B), Add	28.94	
		For 4" Or 6" WG (Class A), Add	61.74	
		For 10" WG (Class A), Add	88.75	
		For Work In Restricted Working Space, Add	57.88	
23 31 13 13-0916	LF	18" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	228.12	120.21
		For 3" WG (Class B), Add	30.06	
		For 4" Or 6" WG (Class A), Add	64.12	
		For 10" WG (Class A), Add	92.17	
		For Work In Restricted Working Space, Add	60.11	
23 31 13 13-0917	LF	18" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	236.57	124.68
		For 3" WG (Class B), Add	31.17	
		For 4" Or 6" WG (Class A), Add	66.49	
		For 10" WG (Class A), Add	95.58	
		For Work In Restricted Working Space, Add	62.33	
23 31 13 13-0918	LF	18" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	245.02	129.13
		For 3" WG (Class B), Add	32.28	
		For 4" Or 6" WG (Class A), Add	68.86	
		For 10" WG (Class A), Add	98.99	
		For Work In Restricted Working Space, Add	64.56	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Air Distribution			23 30	
HVAC Ducts and Casings			23 31	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
23 31 13 13-0919	LF	18" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	253.47	133.57
		For 3" WG (Class B), Add	33.39	
		For 4" Or 6" WG (Class A), Add	71.24	
		For 10" WG (Class A), Add	102.41	
		For Work In Restricted Working Space, Add	66.79	
23 31 13 13-0920	LF	18" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	261.92	138.03
		For 3" WG (Class B), Add	34.51	
		For 4" Or 6" WG (Class A), Add	73.62	
		For 10" WG (Class A), Add	105.82	
		For Work In Restricted Working Space, Add	69.02	
23 31 13 13-0921	LF	18" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	270.38	142.48
		For 3" WG (Class B), Add	35.62	
		For 4" Or 6" WG (Class A), Add	75.99	
		For 10" WG (Class A), Add	109.24	
		For Work In Restricted Working Space, Add	71.24	
23 31 13 13-0922	LF	20" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	168.98	89.05
		For 3" WG (Class B), Add	22.26	
		For 4" Or 6" WG (Class A), Add	47.49	
		For 10" WG (Class A), Add	68.27	
		For Work In Restricted Working Space, Add	44.53	
23 31 13 13-0923	LF	20" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	177.42	93.50
		For 3" WG (Class B), Add	23.37	
		For 4" Or 6" WG (Class A), Add	49.87	
		For 10" WG (Class A), Add	71.68	
		For Work In Restricted Working Space, Add	46.75	
23 31 13 13-0924	LF	20" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	185.86	97.96
		For 3" WG (Class B), Add	24.49	
		For 4" Or 6" WG (Class A), Add	52.24	
		For 10" WG (Class A), Add	75.10	
		For Work In Restricted Working Space, Add	48.98	
23 31 13 13-0925	LF	20" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	194.33	102.41
		For 3" WG (Class B), Add	25.60	
		For 4" Or 6" WG (Class A), Add	54.62	
		For 10" WG (Class A), Add	78.51	
		For Work In Restricted Working Space, Add	51.20	
23 31 13 13-0926	LF	20" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	202.78	106.86
		For 3" WG (Class B), Add	26.72	
		For 4" Or 6" WG (Class A), Add	56.99	
		For 10" WG (Class A), Add	81.93	
		For Work In Restricted Working Space, Add	53.43	
23 31 13 13-0927	LF	20" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	211.22	111.31
		For 3" WG (Class B), Add	27.83	
		For 4" Or 6" WG (Class A), Add	59.37	
		For 10" WG (Class A), Add	85.34	
		For Work In Restricted Working Space, Add	55.66	
23 31 13 13-0928	LF	20" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	219.67	115.76
		For 3" WG (Class B), Add	28.94	
		For 4" Or 6" WG (Class A), Add	61.74	
		For 10" WG (Class A), Add	88.75	
		For Work In Restricted Working Space, Add	57.88	
23 31 13 13-0929	LF	20" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	228.12	120.21
		For 3" WG (Class B), Add	30.06	
		For 4" Or 6" WG (Class A), Add	64.12	
		For 10" WG (Class A), Add	92.17	
		For Work In Restricted Working Space, Add	60.11	
23 31 13 13-0930	LF	20" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	236.57	124.68
		For 3" WG (Class B), Add	31.17	
		For 4" Or 6" WG (Class A), Add	66.49	
		For 10" WG (Class A), Add	95.58	
		For Work In Restricted Working Space, Add	62.33	
23 31 13 13-0931	LF	20" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	245.02	129.13
		For 3" WG (Class B), Add	32.28	
		For 4" Or 6" WG (Class A), Add	68.86	
		For 10" WG (Class A), Add	98.99	
		For Work In Restricted Working Space, Add	64.56	
23 31 13 13-0932	LF	20" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	253.47	133.57
		For 3" WG (Class B), Add	33.39	
		For 4" Or 6" WG (Class A), Add	71.24	
		For 10" WG (Class A), Add	102.41	
		For Work In Restricted Working Space, Add	66.79	
23 31 13 13-0933	LF	20" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	261.92	138.03
		For 3" WG (Class B), Add	34.51	
		For 4" Or 6" WG (Class A), Add	73.62	
		For 10" WG (Class A), Add	105.82	
		For Work In Restricted Working Space, Add	69.02	
23 31 13 13-0934	LF	20" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	270.38	142.48
		For 3" WG (Class B), Add	35.62	
		For 4" Or 6" WG (Class A), Add	75.99	
		For 10" WG (Class A), Add	109.24	
		For Work In Restricted Working Space, Add	71.24	
23 31 13 13-0935	LF	20" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	278.82	146.93
		For 3" WG (Class B), Add	36.73	
		For 4" Or 6" WG (Class A), Add	78.36	
		For 10" WG (Class A), Add	112.65	
		For Work In Restricted Working Space, Add	73.47	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0936	LF	20" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	287.26	151.39
		For 3" WG (Class B), Add	37.85	
		For 4" Or 6" WG (Class A), Add	80.74	
		For 10" WG (Class A), Add	116.06	
		For Work In Restricted Working Space, Add	75.69	
23 31 13 13-0937	LF	22" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	185.86	97.96
		For 3" WG (Class B), Add	24.49	
		For 4" Or 6" WG (Class A), Add	52.24	
		For 10" WG (Class A), Add	75.10	
		For Work In Restricted Working Space, Add	48.98	
23 31 13 13-0938	LF	22" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	194.33	102.41
		For 3" WG (Class B), Add	25.60	
		For 4" Or 6" WG (Class A), Add	54.62	
		For 10" WG (Class A), Add	78.51	
		For Work In Restricted Working Space, Add	51.20	
23 31 13 13-0939	LF	22" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	202.78	106.86
		For 3" WG (Class B), Add	26.72	
		For 4" Or 6" WG (Class A), Add	56.99	
		For 10" WG (Class A), Add	81.93	
		For Work In Restricted Working Space, Add	53.43	
23 31 13 13-0940	LF	22" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	211.22	111.31
		For 3" WG (Class B), Add	27.83	
		For 4" Or 6" WG (Class A), Add	59.37	
		For 10" WG (Class A), Add	85.34	
		For Work In Restricted Working Space, Add	55.66	
23 31 13 13-0941	LF	22" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	219.67	115.76
		For 3" WG (Class B), Add	28.94	
		For 4" Or 6" WG (Class A), Add	61.74	
		For 10" WG (Class A), Add	88.75	
		For Work In Restricted Working Space, Add	57.88	
23 31 13 13-0942	LF	22" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	228.12	120.21
		For 3" WG (Class B), Add	30.06	
		For 4" Or 6" WG (Class A), Add	64.12	
		For 10" WG (Class A), Add	92.17	
		For Work In Restricted Working Space, Add	60.11	
23 31 13 13-0943	LF	22" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	236.57	124.68
		For 3" WG (Class B), Add	31.17	
		For 4" Or 6" WG (Class A), Add	66.49	
		For 10" WG (Class A), Add	95.58	
		For Work In Restricted Working Space, Add	62.33	
23 31 13 13-0944	LF	22" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	245.02	129.13
		For 3" WG (Class B), Add	32.28	
		For 4" Or 6" WG (Class A), Add	68.86	
		For 10" WG (Class A), Add	98.99	
		For Work In Restricted Working Space, Add	64.56	
23 31 13 13-0945	LF	22" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	253.47	133.57
		For 3" WG (Class B), Add	33.39	
		For 4" Or 6" WG (Class A), Add	71.24	
		For 10" WG (Class A), Add	102.41	
		For Work In Restricted Working Space, Add	66.79	
23 31 13 13-0946	LF	22" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	261.92	138.03
		For 3" WG (Class B), Add	34.51	
		For 4" Or 6" WG (Class A), Add	73.62	
		For 10" WG (Class A), Add	105.82	
		For Work In Restricted Working Space, Add	69.02	
23 31 13 13-0947	LF	22" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	270.38	142.48
		For 3" WG (Class B), Add	35.62	
		For 4" Or 6" WG (Class A), Add	75.99	
		For 10" WG (Class A), Add	109.24	
		For Work In Restricted Working Space, Add	71.24	
23 31 13 13-0948	LF	22" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	278.82	146.93
		For 3" WG (Class B), Add	36.73	
		For 4" Or 6" WG (Class A), Add	78.36	
		For 10" WG (Class A), Add	112.65	
		For Work In Restricted Working Space, Add	73.47	
23 31 13 13-0949	LF	22" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	287.26	151.39
		For 3" WG (Class B), Add	37.85	
		For 4" Or 6" WG (Class A), Add	80.74	
		For 10" WG (Class A), Add	116.06	
		For Work In Restricted Working Space, Add	75.69	
23 31 13 13-0950	LF	22" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	295.71	155.83
		For 3" WG (Class B), Add	38.96	
		For 4" Or 6" WG (Class A), Add	83.11	
		For 10" WG (Class A), Add	119.48	
		For Work In Restricted Working Space, Add	77.92	
23 31 13 13-0951	LF	24" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	202.78	106.86
		For 3" WG (Class B), Add	26.72	
		For 4" Or 6" WG (Class A), Add	56.99	
		For 10" WG (Class A), Add	81.93	
		For Work In Restricted Working Space, Add	53.43	
23 31 13 13-0952	LF	24" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	211.22	111.31
		For 3" WG (Class B), Add	27.83	
		For 4" Or 6" WG (Class A), Add	59.37	
		For 10" WG (Class A), Add	85.34	
		For Work In Restricted Working Space, Add	55.66	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Air Distribution			23 30	
HVAC Ducts and Casings			23 31	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
23 31 13 13-0953	LF	24" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	219.67	115.76
		For 3" WG (Class B), Add	28.94	
		For 4" Or 6" WG (Class A), Add	61.74	
		For 10" WG (Class A), Add	88.75	
		For Work In Restricted Working Space, Add	57.88	
23 31 13 13-0954	LF	24" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	228.12	120.21
		For 3" WG (Class B), Add	30.06	
		For 4" Or 6" WG (Class A), Add	64.12	
		For 10" WG (Class A), Add	92.17	
		For Work In Restricted Working Space, Add	60.11	
23 31 13 13-0955	LF	24" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	236.57	124.68
		For 3" WG (Class B), Add	31.17	
		For 4" Or 6" WG (Class A), Add	66.49	
		For 10" WG (Class A), Add	95.58	
		For Work In Restricted Working Space, Add	62.33	
23 31 13 13-0956	LF	24" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	245.02	129.13
		For 3" WG (Class B), Add	32.28	
		For 4" Or 6" WG (Class A), Add	68.86	
		For 10" WG (Class A), Add	98.99	
		For Work In Restricted Working Space, Add	64.56	
23 31 13 13-0957	LF	24" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	253.47	133.57
		For 3" WG (Class B), Add	33.39	
		For 4" Or 6" WG (Class A), Add	71.24	
		For 10" WG (Class A), Add	102.41	
		For Work In Restricted Working Space, Add	66.79	
23 31 13 13-0958	LF	24" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	261.92	138.03
		For 3" WG (Class B), Add	34.51	
		For 4" Or 6" WG (Class A), Add	73.62	
		For 10" WG (Class A), Add	105.82	
		For Work In Restricted Working Space, Add	69.02	
23 31 13 13-0959	LF	24" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	270.38	142.48
		For 3" WG (Class B), Add	35.62	
		For 4" Or 6" WG (Class A), Add	75.99	
		For 10" WG (Class A), Add	109.24	
		For Work In Restricted Working Space, Add	71.24	
23 31 13 13-0960	LF	24" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	278.82	146.93
		For 3" WG (Class B), Add	36.73	
		For 4" Or 6" WG (Class A), Add	78.36	
		For 10" WG (Class A), Add	112.65	
		For Work In Restricted Working Space, Add	73.47	
23 31 13 13-0961	LF	24" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	287.26	151.39
		For 3" WG (Class B), Add	37.85	
		For 4" Or 6" WG (Class A), Add	80.74	
		For 10" WG (Class A), Add	116.06	
		For Work In Restricted Working Space, Add	75.69	
23 31 13 13-0962	LF	24" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	295.71	155.83
		For 3" WG (Class B), Add	38.96	
		For 4" Or 6" WG (Class A), Add	83.11	
		For 10" WG (Class A), Add	119.48	
		For Work In Restricted Working Space, Add	77.92	
23 31 13 13-0963	LF	24" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	304.16	160.28
		For 3" WG (Class B), Add	40.07	
		For 4" Or 6" WG (Class A), Add	85.49	
		For 10" WG (Class A), Add	122.89	
		For Work In Restricted Working Space, Add	80.15	
23 31 13 13-0964	LF	26" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	219.67	115.76
		For 3" WG (Class B), Add	28.94	
		For 4" Or 6" WG (Class A), Add	61.74	
		For 10" WG (Class A), Add	88.75	
		For Work In Restricted Working Space, Add	57.88	
23 31 13 13-0965	LF	26" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	228.12	120.21
		For 3" WG (Class B), Add	30.06	
		For 4" Or 6" WG (Class A), Add	64.12	
		For 10" WG (Class A), Add	92.17	
		For Work In Restricted Working Space, Add	60.11	
23 31 13 13-0966	LF	26" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	236.57	124.68
		For 3" WG (Class B), Add	31.17	
		For 4" Or 6" WG (Class A), Add	66.49	
		For 10" WG (Class A), Add	95.58	
		For Work In Restricted Working Space, Add	62.33	
23 31 13 13-0967	LF	26" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	245.02	129.13
		For 3" WG (Class B), Add	32.28	
		For 4" Or 6" WG (Class A), Add	68.86	
		For 10" WG (Class A), Add	98.99	
		For Work In Restricted Working Space, Add	64.56	
23 31 13 13-0968	LF	26" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	253.47	133.57
		For 3" WG (Class B), Add	33.39	
		For 4" Or 6" WG (Class A), Add	71.24	
		For 10" WG (Class A), Add	102.41	
		For Work In Restricted Working Space, Add	66.79	
23 31 13 13-0969	LF	26" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	261.92	138.03
		For 3" WG (Class B), Add	34.51	
		For 4" Or 6" WG (Class A), Add	73.62	
		For 10" WG (Class A), Add	105.82	
		For Work In Restricted Working Space, Add	69.02	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0970	LF	26" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	270.38	142.48
		For 3" WG (Class B), Add	35.62	
		For 4" Or 6" WG (Class A), Add	75.99	
		For 10" WG (Class A), Add	109.24	
		For Work In Restricted Working Space, Add	71.24	
23 31 13 13-0971	LF	26" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	278.82	146.93
		For 3" WG (Class B), Add	36.73	
		For 4" Or 6" WG (Class A), Add	78.36	
		For 10" WG (Class A), Add	112.65	
		For Work In Restricted Working Space, Add	73.47	
23 31 13 13-0972	LF	26" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	287.26	151.39
		For 3" WG (Class B), Add	37.85	
		For 4" Or 6" WG (Class A), Add	80.74	
		For 10" WG (Class A), Add	116.06	
		For Work In Restricted Working Space, Add	75.69	
23 31 13 13-0973	LF	26" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	295.71	155.83
		For 3" WG (Class B), Add	38.96	
		For 4" Or 6" WG (Class A), Add	83.11	
		For 10" WG (Class A), Add	119.48	
		For Work In Restricted Working Space, Add	77.92	
23 31 13 13-0974	LF	26" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	304.16	160.28
		For 3" WG (Class B), Add	40.07	
		For 4" Or 6" WG (Class A), Add	85.49	
		For 10" WG (Class A), Add	122.89	
		For Work In Restricted Working Space, Add	80.15	
23 31 13 13-0975	LF	26" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	312.62	164.74
		For 3" WG (Class B), Add	41.19	
		For 4" Or 6" WG (Class A), Add	87.86	
		For 10" WG (Class A), Add	126.30	
		For Work In Restricted Working Space, Add	82.37	
23 31 13 13-0976	LF	28" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	236.57	124.68
		For 3" WG (Class B), Add	31.17	
		For 4" Or 6" WG (Class A), Add	66.49	
		For 10" WG (Class A), Add	95.58	
		For Work In Restricted Working Space, Add	62.33	
23 31 13 13-0977	LF	28" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	245.02	129.13
		For 3" WG (Class B), Add	32.28	
		For 4" Or 6" WG (Class A), Add	68.86	
		For 10" WG (Class A), Add	98.99	
		For Work In Restricted Working Space, Add	64.56	
23 31 13 13-0978	LF	28" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	253.47	133.57
		For 3" WG (Class B), Add	33.39	
		For 4" Or 6" WG (Class A), Add	71.24	
		For 10" WG (Class A), Add	102.41	
		For Work In Restricted Working Space, Add	66.79	
23 31 13 13-0979	LF	28" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	261.92	138.03
		For 3" WG (Class B), Add	34.51	
		For 4" Or 6" WG (Class A), Add	73.62	
		For 10" WG (Class A), Add	105.82	
		For Work In Restricted Working Space, Add	69.02	
23 31 13 13-0980	LF	28" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	270.38	142.48
		For 3" WG (Class B), Add	35.62	
		For 4" Or 6" WG (Class A), Add	75.99	
		For 10" WG (Class A), Add	109.24	
		For Work In Restricted Working Space, Add	71.24	
23 31 13 13-0981	LF	28" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	278.82	146.93
		For 3" WG (Class B), Add	36.73	
		For 4" Or 6" WG (Class A), Add	78.36	
		For 10" WG (Class A), Add	112.65	
		For Work In Restricted Working Space, Add	73.47	
23 31 13 13-0982	LF	28" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	287.26	151.39
		For 3" WG (Class B), Add	37.85	
		For 4" Or 6" WG (Class A), Add	80.74	
		For 10" WG (Class A), Add	116.06	
		For Work In Restricted Working Space, Add	75.69	
23 31 13 13-0983	LF	28" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	295.71	155.83
		For 3" WG (Class B), Add	38.96	
		For 4" Or 6" WG (Class A), Add	83.11	
		For 10" WG (Class A), Add	119.48	
		For Work In Restricted Working Space, Add	77.92	
23 31 13 13-0984	LF	28" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	304.16	160.28
		For 3" WG (Class B), Add	40.07	
		For 4" Or 6" WG (Class A), Add	85.49	
		For 10" WG (Class A), Add	122.89	
		For Work In Restricted Working Space, Add	80.15	
23 31 13 13-0985	LF	28" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	312.62	164.74
		For 3" WG (Class B), Add	41.19	
		For 4" Or 6" WG (Class A), Add	87.86	
		For 10" WG (Class A), Add	126.30	
		For Work In Restricted Working Space, Add	82.37	
23 31 13 13-0986	LF	28" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	321.06	169.19
		For 3" WG (Class B), Add	42.30	
		For 4" Or 6" WG (Class A), Add	90.24	
		For 10" WG (Class A), Add	129.72	
		For Work In Restricted Working Space, Add	84.60	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
HVAC Ducts and Casings			23 31

23

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
23 31 13	13-0987	LF 30" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	253.47 33.39 71.24 102.41 66.79	133.57
23 31 13	13-0988	LF 30" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	261.92 34.51 73.62 105.82 69.02	138.03
23 31 13	13-0989	LF 30" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	270.38 35.62 75.99 109.24 71.24	142.48
23 31 13	13-0990	LF 30" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	278.82 36.73 78.36 112.65 73.47	146.93
23 31 13	13-0991	LF 30" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	287.26 37.85 80.74 116.06 75.69	151.39
23 31 13	13-0992	LF 30" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	295.71 38.96 83.11 119.48 77.92	155.83
23 31 13	13-0993	LF 30" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	304.16 40.07 85.49 122.89 80.15	160.28
23 31 13	13-0994	LF 30" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	312.62 41.19 87.86 126.30 82.37	164.74
23 31 13	13-0995	LF 30" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	321.06 42.30 90.24 129.72 84.60	169.19
23 31 13	13-0996	LF 30" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	329.51 43.41 92.61 133.13 86.82	173.66
23 31 13	13-0997	LF 32" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	270.38 35.62 75.99 109.24 71.24	142.48
23 31 13	13-0998	LF 32" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	278.82 36.73 78.36 112.65 73.47	146.93
23 31 13	13-0999	LF 32" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	287.26 37.85 80.74 116.06 75.69	151.39
23 31 13	13-1000	LF 32" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	295.71 38.96 83.11 119.48 77.92	155.83
23 31 13	13-1001	LF 32" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	304.16 40.07 85.49 122.89 80.15	160.28
23 31 13	13-1002	LF 32" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	312.62 41.19 87.86 126.30 82.37	164.74
23 31 13	13-1003	LF 32" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	321.06 42.30 90.24 129.72 84.60	169.19

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1004	LF	32" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	329.51	173.66
		For 3" WG (Class B), Add	43.41	
		For 4" Or 6" WG (Class A), Add	92.61	
		For 10" WG (Class A), Add	133.13	
		For Work In Restricted Working Space, Add	86.82	
23 31 13 13-1005	LF	32" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	337.96	178.10
		For 3" WG (Class B), Add	44.53	
		For 4" Or 6" WG (Class A), Add	94.99	
		For 10" WG (Class A), Add	136.55	
		For Work In Restricted Working Space, Add	89.05	
23 31 13 13-1006	LF	34" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	287.26	151.39
		For 3" WG (Class B), Add	37.85	
		For 4" Or 6" WG (Class A), Add	60.74	
		For 10" WG (Class A), Add	116.06	
		For Work In Restricted Working Space, Add	75.69	
23 31 13 13-1007	LF	34" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	295.71	155.83
		For 3" WG (Class B), Add	38.96	
		For 4" Or 6" WG (Class A), Add	83.11	
		For 10" WG (Class A), Add	119.48	
		For Work In Restricted Working Space, Add	77.92	
23 31 13 13-1008	LF	34" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	304.16	160.28
		For 3" WG (Class B), Add	40.07	
		For 4" Or 6" WG (Class A), Add	85.49	
		For 10" WG (Class A), Add	122.89	
		For Work In Restricted Working Space, Add	80.15	
23 31 13 13-1009	LF	34" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	312.62	164.74
		For 3" WG (Class B), Add	41.19	
		For 4" Or 6" WG (Class A), Add	87.86	
		For 10" WG (Class A), Add	126.30	
		For Work In Restricted Working Space, Add	82.37	
23 31 13 13-1010	LF	34" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	321.06	169.19
		For 3" WG (Class B), Add	42.30	
		For 4" Or 6" WG (Class A), Add	90.24	
		For 10" WG (Class A), Add	129.72	
		For Work In Restricted Working Space, Add	84.60	
23 31 13 13-1011	LF	34" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	329.51	173.66
		For 3" WG (Class B), Add	43.41	
		For 4" Or 6" WG (Class A), Add	92.61	
		For 10" WG (Class A), Add	133.13	
		For Work In Restricted Working Space, Add	86.82	
23 31 13 13-1012	LF	34" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	337.96	178.10
		For 3" WG (Class B), Add	44.53	
		For 4" Or 6" WG (Class A), Add	94.99	
		For 10" WG (Class A), Add	136.55	
		For Work In Restricted Working Space, Add	89.05	
23 31 13 13-1013	LF	34" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	346.40	182.55
		For 3" WG (Class B), Add	45.64	
		For 4" Or 6" WG (Class A), Add	97.36	
		For 10" WG (Class A), Add	139.96	
		For Work In Restricted Working Space, Add	91.28	
23 31 13 13-1014	LF	36" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	304.16	160.28
		For 3" WG (Class B), Add	40.07	
		For 4" Or 6" WG (Class A), Add	85.49	
		For 10" WG (Class A), Add	122.89	
		For Work In Restricted Working Space, Add	80.15	
23 31 13 13-1015	LF	36" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	312.62	164.74
		For 3" WG (Class B), Add	41.19	
		For 4" Or 6" WG (Class A), Add	87.86	
		For 10" WG (Class A), Add	126.30	
		For Work In Restricted Working Space, Add	82.37	
23 31 13 13-1016	LF	36" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	321.06	169.19
		For 3" WG (Class B), Add	42.30	
		For 4" Or 6" WG (Class A), Add	90.24	
		For 10" WG (Class A), Add	129.72	
		For Work In Restricted Working Space, Add	84.60	
23 31 13 13-1017	LF	36" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	329.51	173.66
		For 3" WG (Class B), Add	43.41	
		For 4" Or 6" WG (Class A), Add	92.61	
		For 10" WG (Class A), Add	133.13	
		For Work In Restricted Working Space, Add	86.82	
23 31 13 13-1018	LF	36" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	337.96	178.10
		For 3" WG (Class B), Add	44.53	
		For 4" Or 6" WG (Class A), Add	94.99	
		For 10" WG (Class A), Add	136.55	
		For Work In Restricted Working Space, Add	89.05	
23 31 13 13-1019	LF	36" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	346.40	182.55
		For 3" WG (Class B), Add	45.64	
		For 4" Or 6" WG (Class A), Add	97.36	
		For 10" WG (Class A), Add	139.96	
		For Work In Restricted Working Space, Add	91.28	
23 31 13 13-1020	LF	36" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	354.86	187.01
		For 3" WG (Class B), Add	46.75	
		For 4" Or 6" WG (Class A), Add	99.73	
		For 10" WG (Class A), Add	143.37	
		For Work In Restricted Working Space, Add	93.50	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
HVAC Ducts and Casings			23 31

23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13	13-1021	LF 38" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	321.06 42.30 90.24 129.72 84.60	169.19
23 31	13	13-1022	LF 38" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	329.51 43.41 92.61 133.13 86.82	173.66
23 31	13	13-1023	LF 38" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	337.96 44.53 94.99 136.55 89.05	178.10
23 31	13	13-1024	LF 38" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	346.40 45.64 97.36 139.96 91.28	182.55
23 31	13	13-1025	LF 38" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	354.86 46.75 99.73 143.37 93.50	187.01
23 31	13	13-1026	LF 38" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	363.31 47.87 102.11 146.79 95.73	191.46
23 31	13	13-1027	LF 38" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	371.76 48.98 104.49 150.20 97.96	195.91
23 31	13	13-1028	LF 40" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	337.96 44.53 94.99 136.55 89.05	178.10
23 31	13	13-1029	LF 40" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	346.40 45.64 97.36 139.96 91.28	182.55
23 31	13	13-1030	LF 40" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	354.86 46.75 99.73 143.37 93.50	187.01
23 31	13	13-1031	LF 40" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	363.31 47.87 102.11 146.79 95.73	191.46
23 31	13	13-1032	LF 40" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	371.76 48.98 104.49 150.20 97.96	195.91
23 31	13	13-1033	LF 40" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	380.20 50.09 106.86 153.61 100.18	200.37
23 31	13	13-1034	LF 40" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	388.65 51.20 109.24 157.03 102.41	204.81
23 31	13	13-1035	LF 40" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	397.10 52.32 111.61 160.43 104.63	209.26
23 31	13	13-1036	LF 40" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	405.55 53.43 113.98 163.85 106.86	213.72
23 31	13	13-1037	LF 42" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	354.86 46.75 99.73 143.37 93.50	187.01

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1038	LF	42" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	363.31	191.46
		For 3" WG (Class B), Add	47.87	
		For 4" Or 6" WG (Class A), Add	102.11	
		For 10" WG (Class A), Add	146.79	
		For Work In Restricted Working Space, Add	95.73	
23 31 13 13-1039	LF	42" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	371.76	195.91
		For 3" WG (Class B), Add	48.98	
		For 4" Or 6" WG (Class A), Add	104.49	
		For 10" WG (Class A), Add	150.20	
		For Work In Restricted Working Space, Add	97.96	
23 31 13 13-1040	LF	42" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	380.20	200.37
		For 3" WG (Class B), Add	50.09	
		For 4" Or 6" WG (Class A), Add	106.86	
		For 10" WG (Class A), Add	153.61	
		For Work In Restricted Working Space, Add	100.18	
23 31 13 13-1041	LF	42" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	388.65	204.81
		For 3" WG (Class B), Add	51.20	
		For 4" Or 6" WG (Class A), Add	109.24	
		For 10" WG (Class A), Add	157.03	
		For Work In Restricted Working Space, Add	102.41	
23 31 13 13-1042	LF	42" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	397.10	209.26
		For 3" WG (Class B), Add	52.32	
		For 4" Or 6" WG (Class A), Add	111.61	
		For 10" WG (Class A), Add	160.43	
		For Work In Restricted Working Space, Add	104.63	
23 31 13 13-1043	LF	42" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	405.55	213.72
		For 3" WG (Class B), Add	53.43	
		For 4" Or 6" WG (Class A), Add	113.98	
		For 10" WG (Class A), Add	163.85	
		For Work In Restricted Working Space, Add	106.86	
23 31 13 13-1044	LF	42" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	414.00	218.17
		For 3" WG (Class B), Add	54.54	
		For 4" Or 6" WG (Class A), Add	116.36	
		For 10" WG (Class A), Add	167.27	
		For Work In Restricted Working Space, Add	109.09	
23 31 13 13-1045	LF	44" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	371.76	195.91
		For 3" WG (Class B), Add	48.98	
		For 4" Or 6" WG (Class A), Add	104.49	
		For 10" WG (Class A), Add	150.20	
		For Work In Restricted Working Space, Add	97.96	
23 31 13 13-1046	LF	44" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	380.20	200.37
		For 3" WG (Class B), Add	50.09	
		For 4" Or 6" WG (Class A), Add	106.86	
		For 10" WG (Class A), Add	153.61	
		For Work In Restricted Working Space, Add	100.18	
23 31 13 13-1047	LF	44" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	388.65	204.81
		For 3" WG (Class B), Add	51.20	
		For 4" Or 6" WG (Class A), Add	109.24	
		For 10" WG (Class A), Add	157.03	
		For Work In Restricted Working Space, Add	102.41	
23 31 13 13-1048	LF	44" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	397.10	209.26
		For 3" WG (Class B), Add	52.32	
		For 4" Or 6" WG (Class A), Add	111.61	
		For 10" WG (Class A), Add	160.43	
		For Work In Restricted Working Space, Add	104.63	
23 31 13 13-1049	LF	44" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	405.55	213.72
		For 3" WG (Class B), Add	53.43	
		For 4" Or 6" WG (Class A), Add	113.98	
		For 10" WG (Class A), Add	163.85	
		For Work In Restricted Working Space, Add	106.86	
23 31 13 13-1050	LF	44" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	414.00	218.17
		For 3" WG (Class B), Add	54.54	
		For 4" Or 6" WG (Class A), Add	116.36	
		For 10" WG (Class A), Add	167.27	
		For Work In Restricted Working Space, Add	109.09	
23 31 13 13-1051	LF	44" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	422.44	222.63
		For 3" WG (Class B), Add	55.66	
		For 4" Or 6" WG (Class A), Add	118.73	
		For 10" WG (Class A), Add	170.68	
		For Work In Restricted Working Space, Add	111.31	
23 31 13 13-1052	LF	46" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	388.65	204.81
		For 3" WG (Class B), Add	51.20	
		For 4" Or 6" WG (Class A), Add	109.24	
		For 10" WG (Class A), Add	157.03	
		For Work In Restricted Working Space, Add	102.41	
23 31 13 13-1053	LF	46" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	397.10	209.26
		For 3" WG (Class B), Add	52.32	
		For 4" Or 6" WG (Class A), Add	111.61	
		For 10" WG (Class A), Add	160.43	
		For Work In Restricted Working Space, Add	104.63	
23 31 13 13-1054	LF	46" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	405.55	213.72
		For 3" WG (Class B), Add	53.43	
		For 4" Or 6" WG (Class A), Add	113.98	
		For 10" WG (Class A), Add	163.85	
		For Work In Restricted Working Space, Add	106.86	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Air Distribution			23 30	
HVAC Ducts and Casings			23 31	

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
23 31 13 13-1055	LF	46" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	414.00	218.17
		For 3" WG (Class B), Add	54.54	
		For 4" Or 6" WG (Class A), Add	116.36	
		For 10" WG (Class A), Add	167.27	
		For Work In Restricted Working Space, Add	109.09	
23 31 13 13-1056	LF	46" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	422.44	222.63
		For 3" WG (Class B), Add	55.66	
		For 4" Or 6" WG (Class A), Add	118.73	
		For 10" WG (Class A), Add	170.68	
		For Work In Restricted Working Space, Add	111.31	
23 31 13 13-1057	LF	46" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	438.32	231.53
		For 3" WG (Class B), Add	57.88	
		For 4" Or 6" WG (Class A), Add	123.48	
		For 10" WG (Class A), Add	177.51	
		For Work In Restricted Working Space, Add	115.77	
23 31 13 13-1058	LF	46" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	446.77	235.98
		For 3" WG (Class B), Add	59.00	
		For 4" Or 6" WG (Class A), Add	125.86	
		For 10" WG (Class A), Add	180.92	
		For Work In Restricted Working Space, Add	117.99	
23 31 13 13-1059	LF	48" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	405.55	213.72
		For 3" WG (Class B), Add	53.43	
		For 4" Or 6" WG (Class A), Add	113.98	
		For 10" WG (Class A), Add	163.85	
		For Work In Restricted Working Space, Add	106.86	
23 31 13 13-1060	LF	48" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	414.00	218.17
		For 3" WG (Class B), Add	54.54	
		For 4" Or 6" WG (Class A), Add	116.36	
		For 10" WG (Class A), Add	167.27	
		For Work In Restricted Working Space, Add	109.09	
23 31 13 13-1061	LF	48" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	422.44	222.63
		For 3" WG (Class B), Add	55.66	
		For 4" Or 6" WG (Class A), Add	118.73	
		For 10" WG (Class A), Add	170.68	
		For Work In Restricted Working Space, Add	111.31	
23 31 13 13-1062	LF	48" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	430.89	227.08
		For 3" WG (Class B), Add	56.77	
		For 4" Or 6" WG (Class A), Add	121.11	
		For 10" WG (Class A), Add	174.09	
		For Work In Restricted Working Space, Add	113.54	
23 31 13 13-1063	LF	48" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	439.36	231.53
		For 3" WG (Class B), Add	57.88	
		For 4" Or 6" WG (Class A), Add	123.48	
		For 10" WG (Class A), Add	177.51	
		For Work In Restricted Working Space, Add	115.77	
23 31 13 13-1064	LF	48" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	447.79	235.98
		For 3" WG (Class B), Add	59.00	
		For 4" Or 6" WG (Class A), Add	125.86	
		For 10" WG (Class A), Add	180.92	
		For Work In Restricted Working Space, Add	117.99	
23 31 13 13-1065	LF	48" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	456.24	240.44
		For 3" WG (Class B), Add	60.11	
		For 4" Or 6" WG (Class A), Add	128.23	
		For 10" WG (Class A), Add	184.33	
		For Work In Restricted Working Space, Add	120.22	
23 31 13 13-1066	LF	50" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	422.44	222.63
		For 3" WG (Class B), Add	55.66	
		For 4" Or 6" WG (Class A), Add	118.73	
		For 10" WG (Class A), Add	170.68	
		For Work In Restricted Working Space, Add	111.31	
23 31 13 13-1067	LF	50" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	430.89	227.08
		For 3" WG (Class B), Add	56.77	
		For 4" Or 6" WG (Class A), Add	121.11	
		For 10" WG (Class A), Add	174.09	
		For Work In Restricted Working Space, Add	113.54	
23 31 13 13-1068	LF	50" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	439.36	231.53
		For 3" WG (Class B), Add	57.88	
		For 4" Or 6" WG (Class A), Add	123.48	
		For 10" WG (Class A), Add	177.51	
		For Work In Restricted Working Space, Add	115.77	
23 31 13 13-1069	LF	50" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	447.79	235.98
		For 3" WG (Class B), Add	59.00	
		For 4" Or 6" WG (Class A), Add	125.86	
		For 10" WG (Class A), Add	180.92	
		For Work In Restricted Working Space, Add	117.99	
23 31 13 13-1070	LF	50" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	456.24	240.44
		For 3" WG (Class B), Add	60.11	
		For 4" Or 6" WG (Class A), Add	128.23	
		For 10" WG (Class A), Add	184.33	
		For Work In Restricted Working Space, Add	120.22	
23 31 13 13-1071	LF	50" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	464.68	244.89
		For 3" WG (Class B), Add	61.22	
		For 4" Or 6" WG (Class A), Add	130.60	
		For 10" WG (Class A), Add	187.74	
		For Work In Restricted Working Space, Add	122.44	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1072	LF	52" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	439.36	231.53
		For 3" WG (Class B), Add	57.88	
		For 4" Or 6" WG (Class A), Add	123.48	
		For 10" WG (Class A), Add	177.51	
		For Work In Restricted Working Space, Add	115.77	
23 31 13 13-1073	LF	52" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	447.79	235.98
		For 3" WG (Class B), Add	59.00	
		For 4" Or 6" WG (Class A), Add	125.86	
		For 10" WG (Class A), Add	180.92	
		For Work In Restricted Working Space, Add	117.99	
23 31 13 13-1074	LF	52" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	456.24	240.44
		For 3" WG (Class B), Add	60.11	
		For 4" Or 6" WG (Class A), Add	128.23	
		For 10" WG (Class A), Add	184.33	
		For Work In Restricted Working Space, Add	120.22	
23 31 13 13-1075	LF	52" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	464.68	244.89
		For 3" WG (Class B), Add	61.22	
		For 4" Or 6" WG (Class A), Add	130.60	
		For 10" WG (Class A), Add	187.74	
		For Work In Restricted Working Space, Add	122.44	
23 31 13 13-1076	LF	52" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	473.15	249.34
		For 3" WG (Class B), Add	62.34	
		For 4" Or 6" WG (Class A), Add	132.99	
		For 10" WG (Class A), Add	191.17	
		For Work In Restricted Working Space, Add	124.67	
23 31 13 13-1077	LF	54" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	456.24	240.44
		For 3" WG (Class B), Add	60.11	
		For 4" Or 6" WG (Class A), Add	128.23	
		For 10" WG (Class A), Add	184.33	
		For Work In Restricted Working Space, Add	120.22	
23 31 13 13-1078	LF	54" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	464.68	244.89
		For 3" WG (Class B), Add	61.22	
		For 4" Or 6" WG (Class A), Add	130.60	
		For 10" WG (Class A), Add	187.74	
		For Work In Restricted Working Space, Add	122.44	
23 31 13 13-1079	LF	54" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	473.15	249.34
		For 3" WG (Class B), Add	62.34	
		For 4" Or 6" WG (Class A), Add	132.99	
		For 10" WG (Class A), Add	191.17	
		For Work In Restricted Working Space, Add	124.67	
23 31 13 13-1080	LF	54" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	481.60	253.79
		For 3" WG (Class B), Add	63.45	
		For 4" Or 6" WG (Class A), Add	135.36	
		For 10" WG (Class A), Add	194.58	
		For Work In Restricted Working Space, Add	126.90	
23 31 13 13-1081	LF	54" x 62", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	490.04	258.24
		For 3" WG (Class B), Add	64.56	
		For 4" Or 6" WG (Class A), Add	137.73	
		For 10" WG (Class A), Add	197.99	
		For Work In Restricted Working Space, Add	129.12	
23 31 13 13-1082	LF	54" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	498.49	262.69
		For 3" WG (Class B), Add	65.67	
		For 4" Or 6" WG (Class A), Add	140.11	
		For 10" WG (Class A), Add	201.40	
		For Work In Restricted Working Space, Add	131.35	
23 31 13 13-1083	LF	56" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	473.15	249.34
		For 3" WG (Class B), Add	62.34	
		For 4" Or 6" WG (Class A), Add	132.99	
		For 10" WG (Class A), Add	191.17	
		For Work In Restricted Working Space, Add	124.67	
23 31 13 13-1084	LF	56" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	481.60	253.79
		For 3" WG (Class B), Add	63.45	
		For 4" Or 6" WG (Class A), Add	135.36	
		For 10" WG (Class A), Add	194.58	
		For Work In Restricted Working Space, Add	126.90	
23 31 13 13-1085	LF	56" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	490.04	258.24
		For 3" WG (Class B), Add	64.56	
		For 4" Or 6" WG (Class A), Add	137.73	
		For 10" WG (Class A), Add	197.99	
		For Work In Restricted Working Space, Add	129.12	
23 31 13 13-1086	LF	56" x 62", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	498.49	262.69
		For 3" WG (Class B), Add	65.67	
		For 4" Or 6" WG (Class A), Add	140.11	
		For 10" WG (Class A), Add	201.40	
		For Work In Restricted Working Space, Add	131.35	
23 31 13 13-1087	LF	56" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	506.93	267.15
		For 3" WG (Class B), Add	66.79	
		For 4" Or 6" WG (Class A), Add	142.48	
		For 10" WG (Class A), Add	204.82	
		For Work In Restricted Working Space, Add	133.58	
23 31 13 13-1088	LF	58" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	490.04	258.24
		For 3" WG (Class B), Add	64.56	
		For 4" Or 6" WG (Class A), Add	137.73	
		For 10" WG (Class A), Add	197.99	
		For Work In Restricted Working Space, Add	129.12	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
HVAC Ducts and Casings			23 31

23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-1089	LF	58" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	498.49	262.69
			For 3" WG (Class B), Add	65.67	
			For 4" Or 6" WG (Class A), Add	140.11	
			For 10" WG (Class A), Add	201.40	
			For Work In Restricted Working Space, Add	131.35	
23 31 13	13-1090	LF	58" x 62", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	506.93	267.15
			For 3" WG (Class B), Add	66.79	
			For 4" Or 6" WG (Class A), Add	142.48	
			For 10" WG (Class A), Add	204.82	
			For Work In Restricted Working Space, Add	133.58	
23 31 13	13-1091	LF	58" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	515.38	271.61
			For 3" WG (Class B), Add	67.90	
			For 4" Or 6" WG (Class A), Add	144.85	
			For 10" WG (Class A), Add	208.23	
			For Work In Restricted Working Space, Add	135.80	
23 31 13	13-1092	LF	58" x 66", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	523.84	276.05
			For 3" WG (Class B), Add	69.01	
			For 4" Or 6" WG (Class A), Add	147.23	
			For 10" WG (Class A), Add	211.64	
			For Work In Restricted Working Space, Add	138.03	
23 31 13	13-1093	LF	60" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	506.93	267.15
			For 3" WG (Class B), Add	66.79	
			For 4" Or 6" WG (Class A), Add	142.48	
			For 10" WG (Class A), Add	204.82	
			For Work In Restricted Working Space, Add	133.58	
23 31 13	13-1094	LF	60" x 62", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	515.38	271.61
			For 3" WG (Class B), Add	67.90	
			For 4" Or 6" WG (Class A), Add	144.85	
			For 10" WG (Class A), Add	208.23	
			For Work In Restricted Working Space, Add	135.80	
23 31 13	13-1095	LF	60" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	523.84	276.05
			For 3" WG (Class B), Add	69.01	
			For 4" Or 6" WG (Class A), Add	147.23	
			For 10" WG (Class A), Add	211.64	
			For Work In Restricted Working Space, Add	138.03	
23 31 13	13-1096	LF	60" x 66", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	532.28	280.51
			For 3" WG (Class B), Add	70.13	
			For 4" Or 6" WG (Class A), Add	149.60	
			For 10" WG (Class A), Add	215.05	
			For Work In Restricted Working Space, Add	140.25	
23 31 13	13-1097	LF	60" x 68", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	540.74	284.96
			For 3" WG (Class B), Add	71.24	
			For 4" Or 6" WG (Class A), Add	151.98	
			For 10" WG (Class A), Add	218.47	
			For Work In Restricted Working Space, Add	142.48	
23 31 13	13-1098	LF	62" x 62", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	523.84	276.05
			For 3" WG (Class B), Add	69.01	
			For 4" Or 6" WG (Class A), Add	147.23	
			For 10" WG (Class A), Add	211.64	
			For Work In Restricted Working Space, Add	138.03	
23 31 13	13-1099	LF	62" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	532.28	280.51
			For 3" WG (Class B), Add	70.13	
			For 4" Or 6" WG (Class A), Add	149.60	
			For 10" WG (Class A), Add	215.05	
			For Work In Restricted Working Space, Add	140.25	
23 31 13	13-1100	LF	62" x 66", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	540.74	284.96
			For 3" WG (Class B), Add	71.24	
			For 4" Or 6" WG (Class A), Add	151.98	
			For 10" WG (Class A), Add	218.47	
			For Work In Restricted Working Space, Add	142.48	
23 31 13	13-1101	LF	62" x 68", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	549.18	289.41
			For 3" WG (Class B), Add	72.35	
			For 4" Or 6" WG (Class A), Add	154.36	
			For 10" WG (Class A), Add	221.89	
			For Work In Restricted Working Space, Add	144.71	
23 31 13	13-1102	LF	62" x 70", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	557.62	293.87
			For 3" WG (Class B), Add	73.47	
			For 4" Or 6" WG (Class A), Add	156.73	
			For 10" WG (Class A), Add	225.29	
			For Work In Restricted Working Space, Add	146.93	
23 31 13	13-1103	LF	64" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	540.74	284.96
			For 3" WG (Class B), Add	71.24	
			For 4" Or 6" WG (Class A), Add	151.98	
			For 10" WG (Class A), Add	218.47	
			For Work In Restricted Working Space, Add	142.48	
23 31 13	13-1104	LF	64" x 66", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	549.18	289.41
			For 3" WG (Class B), Add	72.35	
			For 4" Or 6" WG (Class A), Add	154.36	
			For 10" WG (Class A), Add	221.89	
			For Work In Restricted Working Space, Add	144.71	
23 31 13	13-1105	LF	64" x 68", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	557.62	293.87
			For 3" WG (Class B), Add	73.47	
			For 4" Or 6" WG (Class A), Add	156.73	
			For 10" WG (Class A), Add	225.29	
			For Work In Restricted Working Space, Add	146.93	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1106	LF	64" x 70", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	566.08	298.31
		For 3" WG (Class B), Add	74.58	
		For 4" Or 6" WG (Class A), Add	159.10	
		For 10" WG (Class A), Add	228.71	
		For Work In Restricted Working Space, Add	149.16	
23 31 13 13-1107	LF	66" x 66", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	557.62	293.87
		For 3" WG (Class B), Add	73.47	
		For 4" Or 6" WG (Class A), Add	156.73	
		For 10" WG (Class A), Add	225.29	
		For Work In Restricted Working Space, Add	146.93	
23 31 13 13-1108	LF	66" x 68", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	566.08	298.31
		For 3" WG (Class B), Add	74.58	
		For 4" Or 6" WG (Class A), Add	159.10	
		For 10" WG (Class A), Add	228.71	
		For Work In Restricted Working Space, Add	149.16	
23 31 13 13-1109	LF	66" x 70", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	574.53	302.77
		For 3" WG (Class B), Add	75.69	
		For 4" Or 6" WG (Class A), Add	161.48	
		For 10" WG (Class A), Add	232.13	
		For Work In Restricted Working Space, Add	151.39	
23 31 13 13-1110	LF	66" x 72", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	582.98	307.22
		For 3" WG (Class B), Add	76.81	
		For 4" Or 6" WG (Class A), Add	163.85	
		For 10" WG (Class A), Add	235.54	
		For Work In Restricted Working Space, Add	153.61	
23 31 13 13-1111	LF	68" x 68", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	574.53	302.77
		For 3" WG (Class B), Add	75.69	
		For 4" Or 6" WG (Class A), Add	161.48	
		For 10" WG (Class A), Add	232.13	
		For Work In Restricted Working Space, Add	151.39	
23 31 13 13-1112	LF	68" x 70", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	582.98	307.22
		For 3" WG (Class B), Add	76.81	
		For 4" Or 6" WG (Class A), Add	163.85	
		For 10" WG (Class A), Add	235.54	
		For Work In Restricted Working Space, Add	153.61	
23 31 13 13-1113	LF	68" x 72", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	591.42	311.67
		For 3" WG (Class B), Add	77.92	
		For 4" Or 6" WG (Class A), Add	166.23	
		For 10" WG (Class A), Add	238.95	
		For Work In Restricted Working Space, Add	155.84	
23 31 13 13-1114	LF	68" x 74", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	599.87	316.13
		For 3" WG (Class B), Add	79.03	
		For 4" Or 6" WG (Class A), Add	168.60	
		For 10" WG (Class A), Add	242.36	
		For Work In Restricted Working Space, Add	158.06	
23 31 13 13-1115	LF	70" x 70", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	591.42	311.67
		For 3" WG (Class B), Add	77.92	
		For 4" Or 6" WG (Class A), Add	166.23	
		For 10" WG (Class A), Add	238.95	
		For Work In Restricted Working Space, Add	155.84	
23 31 13 13-1116	LF	70" x 72", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	599.87	316.13
		For 3" WG (Class B), Add	79.03	
		For 4" Or 6" WG (Class A), Add	168.60	
		For 10" WG (Class A), Add	242.36	
		For Work In Restricted Working Space, Add	158.06	
23 31 13 13-1117	LF	70" x 74", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	608.34	320.58
		For 3" WG (Class B), Add	80.15	
		For 4" Or 6" WG (Class A), Add	170.98	
		For 10" WG (Class A), Add	245.78	
		For Work In Restricted Working Space, Add	160.29	
23 31 13 13-1118	LF	70" x 76", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	616.77	325.03
		For 3" WG (Class B), Add	81.26	
		For 4" Or 6" WG (Class A), Add	173.35	
		For 10" WG (Class A), Add	249.19	
		For Work In Restricted Working Space, Add	162.52	
23 31 13 13-1119	LF	70" x 78", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	625.22	329.49
		For 3" WG (Class B), Add	82.37	
		For 4" Or 6" WG (Class A), Add	175.72	
		For 10" WG (Class A), Add	252.60	
		For Work In Restricted Working Space, Add	164.74	
23 31 13 13-1120	LF	70" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	633.66	333.94
		For 3" WG (Class B), Add	83.48	
		For 4" Or 6" WG (Class A), Add	178.10	
		For 10" WG (Class A), Add	256.02	
		For Work In Restricted Working Space, Add	166.97	
23 31 13 13-1121	LF	70" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	642.11	338.39
		For 3" WG (Class B), Add	84.60	
		For 4" Or 6" WG (Class A), Add	180.47	
		For 10" WG (Class A), Add	259.43	
		For Work In Restricted Working Space, Add	169.19	
23 31 13 13-1122	LF	70" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	650.58	342.85
		For 3" WG (Class B), Add	85.71	
		For 4" Or 6" WG (Class A), Add	182.85	
		For 10" WG (Class A), Add	262.85	
		For Work In Restricted Working Space, Add	171.42	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Air Distribution			23 30	
HVAC Ducts and Casings			23 31	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
23 31 13 13-1123	LF	70" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	659.02	347.29
		For 3" WG (Class B), Add	86.82	
		For 4" Or 6" WG (Class A), Add	185.23	
		For 10" WG (Class A), Add	266.26	
		For Work In Restricted Working Space, Add	173.65	
23 31 13 13-1124	LF	72" x 72", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	608.34	320.58
		For 3" WG (Class B), Add	80.15	
		For 4" Or 6" WG (Class A), Add	170.98	
		For 10" WG (Class A), Add	245.78	
		For Work In Restricted Working Space, Add	160.29	
23 31 13 13-1125	LF	72" x 74", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	616.77	325.03
		For 3" WG (Class B), Add	81.26	
		For 4" Or 6" WG (Class A), Add	173.35	
		For 10" WG (Class A), Add	249.19	
		For Work In Restricted Working Space, Add	162.92	
23 31 13 13-1126	LF	72" x 76", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	625.22	329.49
		For 3" WG (Class B), Add	82.37	
		For 4" Or 6" WG (Class A), Add	175.72	
		For 10" WG (Class A), Add	252.60	
		For Work In Restricted Working Space, Add	164.74	
23 31 13 13-1127	LF	72" x 78", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	633.66	333.94
		For 3" WG (Class B), Add	83.48	
		For 4" Or 6" WG (Class A), Add	178.10	
		For 10" WG (Class A), Add	256.02	
		For Work In Restricted Working Space, Add	166.97	
23 31 13 13-1128	LF	72" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	642.11	338.39
		For 3" WG (Class B), Add	84.60	
		For 4" Or 6" WG (Class A), Add	180.47	
		For 10" WG (Class A), Add	259.43	
		For Work In Restricted Working Space, Add	169.19	
23 31 13 13-1129	LF	72" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	650.58	342.85
		For 3" WG (Class B), Add	85.71	
		For 4" Or 6" WG (Class A), Add	182.85	
		For 10" WG (Class A), Add	262.85	
		For Work In Restricted Working Space, Add	171.42	
23 31 13 13-1130	LF	72" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	659.02	347.29
		For 3" WG (Class B), Add	86.82	
		For 4" Or 6" WG (Class A), Add	185.23	
		For 10" WG (Class A), Add	266.26	
		For Work In Restricted Working Space, Add	173.65	
23 31 13 13-1131	LF	72" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	667.46	351.74
		For 3" WG (Class B), Add	87.94	
		For 4" Or 6" WG (Class A), Add	187.60	
		For 10" WG (Class A), Add	269.67	
		For Work In Restricted Working Space, Add	175.87	
23 31 13 13-1132	LF	74" x 74", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	625.22	329.49
		For 3" WG (Class B), Add	82.37	
		For 4" Or 6" WG (Class A), Add	175.72	
		For 10" WG (Class A), Add	252.60	
		For Work In Restricted Working Space, Add	164.74	
23 31 13 13-1133	LF	74" x 76", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	633.66	333.94
		For 3" WG (Class B), Add	83.48	
		For 4" Or 6" WG (Class A), Add	178.10	
		For 10" WG (Class A), Add	256.02	
		For Work In Restricted Working Space, Add	166.97	
23 31 13 13-1134	LF	74" x 78", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	642.11	338.39
		For 3" WG (Class B), Add	84.60	
		For 4" Or 6" WG (Class A), Add	180.47	
		For 10" WG (Class A), Add	259.43	
		For Work In Restricted Working Space, Add	169.19	
23 31 13 13-1135	LF	74" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	650.58	342.85
		For 3" WG (Class B), Add	85.71	
		For 4" Or 6" WG (Class A), Add	182.85	
		For 10" WG (Class A), Add	262.85	
		For Work In Restricted Working Space, Add	171.42	
23 31 13 13-1136	LF	74" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	659.02	347.29
		For 3" WG (Class B), Add	86.82	
		For 4" Or 6" WG (Class A), Add	185.23	
		For 10" WG (Class A), Add	266.26	
		For Work In Restricted Working Space, Add	173.65	
23 31 13 13-1137	LF	74" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	667.46	351.74
		For 3" WG (Class B), Add	87.94	
		For 4" Or 6" WG (Class A), Add	187.60	
		For 10" WG (Class A), Add	269.67	
		For Work In Restricted Working Space, Add	175.87	
23 31 13 13-1138	LF	74" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	675.90	356.20
		For 3" WG (Class B), Add	89.05	
		For 4" Or 6" WG (Class A), Add	189.97	
		For 10" WG (Class A), Add	273.08	
		For Work In Restricted Working Space, Add	178.10	
23 31 13 13-1139	LF	76" x 76", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	642.11	338.39
		For 3" WG (Class B), Add	84.60	
		For 4" Or 6" WG (Class A), Add	180.47	
		For 10" WG (Class A), Add	259.43	
		For Work In Restricted Working Space, Add	169.19	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1140	LF	76" x 78", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	650.58	342.85
		For 3" WG (Class B), Add	85.71	
		For 4" Or 6" WG (Class A), Add	182.85	
		For 10" WG (Class A), Add	262.85	
		For Work In Restricted Working Space, Add	171.42	
23 31 13 13-1141	LF	76" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	659.02	347.29
		For 3" WG (Class B), Add	86.82	
		For 4" Or 6" WG (Class A), Add	185.23	
		For 10" WG (Class A), Add	266.26	
		For Work In Restricted Working Space, Add	173.65	
23 31 13 13-1142	LF	76" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	667.46	351.74
		For 3" WG (Class B), Add	87.94	
		For 4" Or 6" WG (Class A), Add	187.60	
		For 10" WG (Class A), Add	269.67	
		For Work In Restricted Working Space, Add	175.87	
23 31 13 13-1143	LF	76" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	675.90	356.20
		For 3" WG (Class B), Add	89.05	
		For 4" Or 6" WG (Class A), Add	189.97	
		For 10" WG (Class A), Add	273.08	
		For Work In Restricted Working Space, Add	178.10	
23 31 13 13-1144	LF	76" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	684.36	360.65
		For 3" WG (Class B), Add	90.16	
		For 4" Or 6" WG (Class A), Add	192.35	
		For 10" WG (Class A), Add	276.50	
		For Work In Restricted Working Space, Add	180.33	
23 31 13 13-1145	LF	78" x 78", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	659.02	347.29
		For 3" WG (Class B), Add	86.82	
		For 4" Or 6" WG (Class A), Add	185.23	
		For 10" WG (Class A), Add	266.26	
		For Work In Restricted Working Space, Add	173.65	
23 31 13 13-1146	LF	78" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	667.46	351.74
		For 3" WG (Class B), Add	87.94	
		For 4" Or 6" WG (Class A), Add	187.60	
		For 10" WG (Class A), Add	269.67	
		For Work In Restricted Working Space, Add	175.87	
23 31 13 13-1147	LF	78" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	675.90	356.20
		For 3" WG (Class B), Add	89.05	
		For 4" Or 6" WG (Class A), Add	189.97	
		For 10" WG (Class A), Add	273.08	
		For Work In Restricted Working Space, Add	178.10	
23 31 13 13-1148	LF	78" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	684.36	360.65
		For 3" WG (Class B), Add	90.16	
		For 4" Or 6" WG (Class A), Add	192.35	
		For 10" WG (Class A), Add	276.50	
		For Work In Restricted Working Space, Add	180.33	
23 31 13 13-1149	LF	78" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	692.82	365.10
		For 3" WG (Class B), Add	91.28	
		For 4" Or 6" WG (Class A), Add	194.72	
		For 10" WG (Class A), Add	279.91	
		For Work In Restricted Working Space, Add	182.55	
23 31 13 13-1150	LF	80" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	675.90	356.20
		For 3" WG (Class B), Add	89.05	
		For 4" Or 6" WG (Class A), Add	189.97	
		For 10" WG (Class A), Add	273.08	
		For Work In Restricted Working Space, Add	178.10	
23 31 13 13-1151	LF	80" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	684.36	360.65
		For 3" WG (Class B), Add	90.16	
		For 4" Or 6" WG (Class A), Add	192.35	
		For 10" WG (Class A), Add	276.50	
		For Work In Restricted Working Space, Add	180.33	
23 31 13 13-1152	LF	80" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	692.82	365.10
		For 3" WG (Class B), Add	91.28	
		For 4" Or 6" WG (Class A), Add	194.72	
		For 10" WG (Class A), Add	279.91	
		For Work In Restricted Working Space, Add	182.55	
23 31 13 13-1153	LF	80" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	708.68	374.01
		For 3" WG (Class B), Add	93.50	
		For 4" Or 6" WG (Class A), Add	199.47	
		For 10" WG (Class A), Add	286.74	
		For Work In Restricted Working Space, Add	187.01	
23 31 13 13-1154	LF	82" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	692.82	365.10
		For 3" WG (Class B), Add	91.28	
		For 4" Or 6" WG (Class A), Add	194.72	
		For 10" WG (Class A), Add	279.91	
		For Work In Restricted Working Space, Add	182.55	
23 31 13 13-1155	LF	82" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	701.26	369.56
		For 3" WG (Class B), Add	92.39	
		For 4" Or 6" WG (Class A), Add	197.10	
		For 10" WG (Class A), Add	283.33	
		For Work In Restricted Working Space, Add	184.78	
23 31 13 13-1156	LF	82" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	709.71	374.01
		For 3" WG (Class B), Add	93.50	
		For 4" Or 6" WG (Class A), Add	199.47	
		For 10" WG (Class A), Add	286.74	
		For Work In Restricted Working Space, Add	187.01	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Air Distribution			23 30	
HVAC Ducts and Casings			23 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1157	LF		84" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	709.71	374.01
			For 3" WG (Class B), Add	93.50	
			For 4" Or 6" WG (Class A), Add	199.47	
			For 10" WG (Class A), Add	286.74	
			For Work In Restricted Working Space, Add	187.01	
23 31 13 13-1158	LF		84" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	718.16	378.46
			For 3" WG (Class B), Add	94.62	
			For 4" Or 6" WG (Class A), Add	201.85	
			For 10" WG (Class A), Add	290.16	
			For Work In Restricted Working Space, Add	189.23	
23 31 13 13-1159	LF		86" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	726.60	382.92
			For 3" WG (Class B), Add	95.73	
			For 4" Or 6" WG (Class A), Add	204.22	
			For 10" WG (Class A), Add	293.57	
			For Work In Restricted Working Space, Add	191.46	
23 31 13 13-1160			Rework Sheet Metal Ductwork (23 31 13 13) Note: Includes removal of existing ductwork and reinstallation of ductwork. Excludes new ductwork.		
23 31 13 13-1161	LF		Up To 1 SF Cross Section, Rework Existing Ductwork	26.34	
23 31 13 13-1162	LF		>1 To 2 SF Cross Section, Rework Existing Ductwork	51.36	
23 31 13 13-1163	LF		>2 To 4 SF Cross Section, Rework Existing Ductwork	67.87	
23 31 13 13-1164	LF		>4 To 6 SF Cross Section, Rework Existing Ductwork	85.00	
23 31 13 13-1165	LF		>6 To 8 SF Cross Section, Rework Existing Ductwork	118.54	
23 31 13 13-1166	LF		>8 To 10 SF Cross Section, Rework Existing Ductwork	138.29	
23 31 13 13-1167	LF		>10 To 12 SF Cross Section, Rework Existing Ductwork	158.05	
23 31 13 13-1168	LF		>12 To 14 SF Cross Section, Rework Existing Ductwork	177.81	
23 31 13 16			Round and Flat-Oval Spiral Ducts (23 31 13 16)		
23 31 13 16-0001			Low Pressure Round And Flat-Oval Duct (23 31 13 16) Note: 7" diameter round = 4" x 11.85" flat oval. 8" diameter round = 4" x 15" flat oval. 10" diameter round = 4" x 25.99" or 6" x 15.42" or 8" x 11.14" flat oval. 12" diameter round = 6" x 23.28" or 8" x 15.85" flat oval. 14" diameter round = 6" x 32.70" or 8" x 22.14" or 10" x 17.85" or 12" x 15.14" flat oval. 16" diameter round = 6" x 43.70" or 8" x 29.99" or 10" x 24.14" or 12" x 19.85" or 14" x 17.14" flat oval. 18" diameter round = 6" x 59.41" or 8" x 39.42" or 10" x 30.42" or 12" x 24.57" or 14" x 21.85" or 16" x 19.14" flat oval. 20" diameter round = 8" x 51.98" or 10" x 38.27" or 12" x 30.85" or 14" x 26.57" or 16" x 23.85" or 18" x 21.14" flat oval. Includes sealing the joints by tape, mastic, or spray on sealer.		
23 31 13 16-0002			2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Ducts (23 31 13 16-0001) Note: Includes straps and supports.		
23 31 13 16-0003	LF		4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct	5.26	2.15
			For 3" WG (Class B), Add	0.66	
			For 4" Or 6" WG (Class A), Add	1.76	
			For 28 Gauge, Deduct	-0.12	
			For 24 Gauge, Add	0.12	
			For 22 Gauge, Add	0.24	
			For 20 Gauge, Add	0.36	
			For 18 Gauge, Add	0.48	
			For 16 Gauge, Add	0.59	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	0.64	
			For Work In Restricted Working Space, Add	1.32	
			For Elevated Installation >10' To 15', Add	0.44	
			For Elevated Installation >15' To 20', Add	0.88	
			For Elevated Installation >20' To 25', Add	1.10	
			For Elevated Installation >25' To 30', Add	1.54	
			For Elevated Installation >30' To 35', Add	1.76	
			For Elevated Installation >35' To 40', Add	2.20	
			For Elevated Installation >40', Add	2.41	
23 31 13 16-0004	LF		5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct	5.98	2.43
			For 3" WG (Class B), Add	0.73	
			For 4" Or 6" WG (Class A), Add	1.95	
			For 28 Gauge, Deduct	-0.15	
			For 24 Gauge, Add	0.15	
			For 22 Gauge, Add	0.31	
			For 20 Gauge, Add	0.46	
			For 18 Gauge, Add	0.61	
			For 16 Gauge, Add	0.75	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	0.82	
			For Work In Restricted Working Space, Add	1.46	
			For Elevated Installation >10' To 15', Add	0.49	
			For Elevated Installation >15' To 20', Add	0.97	
			For Elevated Installation >20' To 25', Add	1.22	
			For Elevated Installation >25' To 30', Add	1.70	
			For Elevated Installation >30' To 35', Add	1.95	
			For Elevated Installation >35' To 40', Add	2.44	
			For Elevated Installation >40', Add	2.68	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0005	LF		6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	6.75	2.92
			For 3" WG (Class B), Add	0.82	
			For 4" Or 6" WG (Class A), Add	2.19	
			For 28 Gauge, Deduct	-0.18	
			For 24 Gauge, Add	0.18	
			For 22 Gauge, Add	0.35	
			For 20 Gauge, Add	0.53	
			For 18 Gauge, Add	0.70	
			For 16 Gauge, Add	0.86	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	0.94	
			For Work In Restricted Working Space, Add	1.64	
			For Elevated Installation >10' To 15', Add	0.55	
			For Elevated Installation >15' To 20', Add	1.10	
			For Elevated Installation >20' To 25', Add	1.37	
			For Elevated Installation >25' To 30', Add	1.92	
			For Elevated Installation >30' To 35', Add	2.19	
			For Elevated Installation >35' To 40', Add	2.74	
			For Elevated Installation >40', Add	3.01	
23 31 13 16-0006	LF		7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	7.76	3.41
			For 3" WG (Class B), Add	0.94	
			For 4" Or 6" WG (Class A), Add	2.50	
			For 28 Gauge, Deduct	-0.21	
			For 24 Gauge, Add	0.21	
			For 22 Gauge, Add	0.41	
			For 20 Gauge, Add	0.62	
			For 18 Gauge, Add	0.83	
			For 16 Gauge, Add	1.01	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.11	
			For Work In Restricted Working Space, Add	1.88	
			For Elevated Installation >10' To 15', Add	0.63	
			For Elevated Installation >15' To 20', Add	1.25	
			For Elevated Installation >20' To 25', Add	1.57	
			For Elevated Installation >25' To 30', Add	2.19	
			For Elevated Installation >30' To 35', Add	2.50	
			For Elevated Installation >35' To 40', Add	3.13	
			For Elevated Installation >40', Add	3.44	
23 31 13 16-0007	LF		8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	8.97	3.89
			For 3" WG (Class B), Add	1.10	
			For 4" Or 6" WG (Class A), Add	2.92	
			For 28 Gauge, Deduct	-0.23	
			For 24 Gauge, Add	0.23	
			For 22 Gauge, Add	0.46	
			For 20 Gauge, Add	0.69	
			For 18 Gauge, Add	0.92	
			For 16 Gauge, Add	1.13	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.24	
			For Work In Restricted Working Space, Add	2.19	
			For Elevated Installation >10' To 15', Add	0.73	
			For Elevated Installation >15' To 20', Add	1.46	
			For Elevated Installation >20' To 25', Add	1.83	
			For Elevated Installation >25' To 30', Add	2.56	
			For Elevated Installation >30' To 35', Add	2.92	
			For Elevated Installation >35' To 40', Add	3.65	
			For Elevated Installation >40', Add	4.02	
23 31 13 16-0008	LF		10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	10.82	4.87
			For 3" WG (Class B), Add	1.31	
			For 4" Or 6" WG (Class A), Add	3.50	
			For 28 Gauge, Deduct	-0.29	
			For 24 Gauge, Add	0.28	
			For 22 Gauge, Add	0.57	
			For 20 Gauge, Add	0.85	
			For 18 Gauge, Add	1.13	
			For 16 Gauge, Add	1.39	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.52	
			For Work In Restricted Working Space, Add	2.63	
			For Elevated Installation >10' To 15', Add	0.88	
			For Elevated Installation >15' To 20', Add	1.75	
			For Elevated Installation >20' To 25', Add	2.19	
			For Elevated Installation >25' To 30', Add	3.07	
			For Elevated Installation >30' To 35', Add	3.50	
			For Elevated Installation >35' To 40', Add	4.38	
			For Elevated Installation >40', Add	4.82	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Air Distribution

23 30

HVAC Ducts and Casings

23 31

23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0009	LF		12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	13.49	6.53
			For 3" WG (Class B), Add	1.64	
			For 4" Or 6" WG (Class A), Add	4.38	
			For 28 Gauge, Deduct	-0.35	
			For 24 Gauge, Add	0.35	
			For 22 Gauge, Add	0.70	
			For 20 Gauge, Add	1.05	
			For 18 Gauge, Add	1.39	
			For 16 Gauge, Add	1.71	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.87	
			For Work In Restricted Working Space, Add	3.29	
			For Elevated Installation >10' To 15', Add	1.10	
			For Elevated Installation >15' To 20', Add	2.19	
			For Elevated Installation >20' To 25', Add	2.74	
			For Elevated Installation >25' To 30', Add	3.84	
			For Elevated Installation >30' To 35', Add	4.38	
			For Elevated Installation >35' To 40', Add	5.48	
			For Elevated Installation >40', Add	6.03	
23 31 13 16-0010	LF		14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	16.64	9.74
			For 3" WG (Class B), Add	2.06	
			For 4" Or 6" WG (Class A), Add	5.48	
			For 28 Gauge, Deduct	-0.41	
			For 24 Gauge, Add	0.41	
			For 22 Gauge, Add	0.81	
			For 20 Gauge, Add	1.22	
			For 18 Gauge, Add	1.62	
			For 16 Gauge, Add	1.98	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.18	
			For Work In Restricted Working Space, Add	4.11	
			For Elevated Installation >10' To 15', Add	1.37	
			For Elevated Installation >15' To 20', Add	2.74	
			For Elevated Installation >20' To 25', Add	3.43	
			For Elevated Installation >25' To 30', Add	4.80	
			For Elevated Installation >30' To 35', Add	5.48	
			For Elevated Installation >35' To 40', Add	6.85	
			For Elevated Installation >40', Add	7.54	
23 31 13 16-0011	LF		16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	22.62	13.05
			For 3" WG (Class B), Add	2.74	
			For 4" Or 6" WG (Class A), Add	7.31	
			For 28 Gauge, Deduct	-0.60	
			For 24 Gauge, Add	0.60	
			For 22 Gauge, Add	1.20	
			For 20 Gauge, Add	1.80	
			For 18 Gauge, Add	2.39	
			For 16 Gauge, Add	2.94	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.22	
			For Work In Restricted Working Space, Add	5.48	
			For Elevated Installation >10' To 15', Add	1.83	
			For Elevated Installation >15' To 20', Add	3.65	
			For Elevated Installation >20' To 25', Add	4.57	
			For Elevated Installation >25' To 30', Add	6.39	
			For Elevated Installation >30' To 35', Add	7.31	
			For Elevated Installation >35' To 40', Add	9.14	
			For Elevated Installation >40', Add	10.05	
23 31 13 16-0012	LF		18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	26.76	15.68
			For 28 Gauge, Deduct	-0.67	
			For 24 Gauge, Add	0.67	
			For 22 Gauge, Add	1.33	
			For 20 Gauge, Add	2.00	
			For 18 Gauge, Add	2.66	
			For 16 Gauge, Add	3.27	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.58	
			For Work In Restricted Working Space, Add	6.58	
			For Elevated Installation >10' To 15', Add	2.19	
			For Elevated Installation >15' To 20', Add	4.38	
			For Elevated Installation >20' To 25', Add	5.48	
			For Elevated Installation >25' To 30', Add	7.67	
			For Elevated Installation >30' To 35', Add	8.77	
			For Elevated Installation >35' To 40', Add	10.96	
			For Elevated Installation >40', Add	12.06	
23 31 13 16-0013	LF		20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	30.73	18.12
			For 28 Gauge, Deduct	-0.75	
			For 24 Gauge, Add	0.75	
			For 22 Gauge, Add	1.49	
			For 20 Gauge, Add	2.24	
			For 18 Gauge, Add	2.97	
			For 16 Gauge, Add	3.65	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.00	
			For Work In Restricted Working Space, Add	7.60	
			For Elevated Installation >10' To 15', Add	2.53	
			For Elevated Installation >15' To 20', Add	5.07	
			For Elevated Installation >20' To 25', Add	6.33	
			For Elevated Installation >25' To 30', Add	8.87	
			For Elevated Installation >30' To 35', Add	10.13	
			For Elevated Installation >35' To 40', Add	12.67	
			For Elevated Installation >40', Add	13.93	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 13 16-0014	2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbows		
	Note: Up to 90 degree.		
23 31 13 16-0015	EA 4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	30.11	13.01
	For 3" WG (Class B), Add	3.90	
	For 4" Or 6" WG (Class A), Add	10.40	
	For 28 Gauge, Deduct	-0.57	
	For 24 Gauge, Add	0.57	
	For 22 Gauge, Add	1.13	
	For 20 Gauge, Add	1.70	
	For 18 Gauge, Add	2.26	
	For 16 Gauge, Add	2.77	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.03	
	For Work In Restricted Working Space, Add	7.80	
	For Elevated Installation >10' To 15', Add	2.60	
	For Elevated Installation >15' To 20', Add	5.20	
	For Elevated Installation >20' To 25', Add	6.50	
	For Elevated Installation >25' To 30', Add	9.10	
	For Elevated Installation >30' To 35', Add	10.40	
	For Elevated Installation >35' To 40', Add	13.01	
	For Elevated Installation >40', Add	14.31	
23 31 13 16-0016	EA 5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	34.47	15.01
	For 3" WG (Class B), Add	4.50	
	For 4" Or 6" WG (Class A), Add	12.00	
	For 28 Gauge, Deduct	-0.62	
	For 24 Gauge, Add	0.62	
	For 22 Gauge, Add	1.23	
	For 20 Gauge, Add	1.85	
	For 18 Gauge, Add	2.45	
	For 16 Gauge, Add	3.01	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.30	
	For Work In Restricted Working Space, Add	9.00	
	For Elevated Installation >10' To 15', Add	3.00	
	For Elevated Installation >15' To 20', Add	6.00	
	For Elevated Installation >20' To 25', Add	7.50	
	For Elevated Installation >25' To 30', Add	10.50	
	For Elevated Installation >30' To 35', Add	12.00	
	For Elevated Installation >35' To 40', Add	15.01	
	For Elevated Installation >40', Add	16.51	
23 31 13 16-0017	EA 6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	40.48	17.73
	For 3" WG (Class B), Add	5.32	
	For 4" Or 6" WG (Class A), Add	14.18	
	For 28 Gauge, Deduct	-0.70	
	For 24 Gauge, Add	0.69	
	For 22 Gauge, Add	1.38	
	For 20 Gauge, Add	2.08	
	For 18 Gauge, Add	2.76	
	For 16 Gauge, Add	3.39	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.71	
	For Work In Restricted Working Space, Add	10.64	
	For Elevated Installation >10' To 15', Add	3.55	
	For Elevated Installation >15' To 20', Add	7.09	
	For Elevated Installation >20' To 25', Add	8.87	
	For Elevated Installation >25' To 30', Add	12.41	
	For Elevated Installation >30' To 35', Add	14.18	
	For Elevated Installation >35' To 40', Add	17.73	
	For Elevated Installation >40', Add	19.50	
23 31 13 16-0018	EA 7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	51.77	22.79
	For 3" WG (Class B), Add	6.84	
	For 4" Or 6" WG (Class A), Add	18.24	
	For 28 Gauge, Deduct	-0.85	
	For 24 Gauge, Add	0.85	
	For 22 Gauge, Add	1.70	
	For 20 Gauge, Add	2.55	
	For 18 Gauge, Add	3.39	
	For 16 Gauge, Add	4.16	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.57	
	For Work In Restricted Working Space, Add	13.68	
	For Elevated Installation >10' To 15', Add	4.56	
	For Elevated Installation >15' To 20', Add	9.12	
	For Elevated Installation >20' To 25', Add	11.40	
	For Elevated Installation >25' To 30', Add	15.96	
	For Elevated Installation >30' To 35', Add	18.24	
	For Elevated Installation >35' To 40', Add	22.80	
	For Elevated Installation >40', Add	25.08	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Air Distribution

23 30

HVAC Ducts and Casings

23 31

23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0019	EA		8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	62.20	27.77
			For 3" WG (Class B), Add	8.33	
			For 4" Or 6" WG (Class A), Add	22.21	
			For 28 Gauge, Deduct	-0.92	
			For 24 Gauge, Add	0.92	
			For 22 Gauge, Add	1.84	
			For 20 Gauge, Add	2.76	
			For 18 Gauge, Add	3.67	
			For 16 Gauge, Add	4.50	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.94	
			For Work In Restricted Working Space, Add	16.66	
			For Elevated Installation >10' To 15', Add	5.55	
			For Elevated Installation >15' To 20', Add	11.11	
			For Elevated Installation >20' To 25', Add	13.88	
			For Elevated Installation >25' To 30', Add	19.44	
			For Elevated Installation >30' To 35', Add	22.21	
			For Elevated Installation >35' To 40', Add	27.77	
			For Elevated Installation >40', Add	30.54	
23 31 13 16-0020	EA		10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	95.50	43.35
			For 3" WG (Class B), Add	13.01	
			For 4" Or 6" WG (Class A), Add	34.68	
			For 28 Gauge, Deduct	-1.22	
			For 24 Gauge, Add	1.21	
			For 22 Gauge, Add	2.42	
			For 20 Gauge, Add	3.64	
			For 18 Gauge, Add	4.83	
			For 16 Gauge, Add	5.93	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.50	
			For Work In Restricted Working Space, Add	26.01	
			For Elevated Installation >10' To 15', Add	8.67	
			For Elevated Installation >15' To 20', Add	17.34	
			For Elevated Installation >20' To 25', Add	21.68	
			For Elevated Installation >25' To 30', Add	30.35	
			For Elevated Installation >30' To 35', Add	34.68	
			For Elevated Installation >35' To 40', Add	43.36	
			For Elevated Installation >40', Add	47.69	
23 31 13 16-0021	EA		12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	131.75	59.91
			For 3" WG (Class B), Add	17.97	
			For 4" Or 6" WG (Class A), Add	47.93	
			For 28 Gauge, Deduct	-1.65	
			For 24 Gauge, Add	1.64	
			For 22 Gauge, Add	3.28	
			For 20 Gauge, Add	4.93	
			For 18 Gauge, Add	6.56	
			For 16 Gauge, Add	8.05	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.82	
			For Work In Restricted Working Space, Add	35.95	
			For Elevated Installation >10' To 15', Add	11.98	
			For Elevated Installation >15' To 20', Add	23.97	
			For Elevated Installation >20' To 25', Add	29.96	
			For Elevated Installation >25' To 30', Add	41.94	
			For Elevated Installation >30' To 35', Add	47.93	
			For Elevated Installation >35' To 40', Add	59.92	
			For Elevated Installation >40', Add	65.91	
23 31 13 16-0022	EA		14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	160.02	70.87
			For 3" WG (Class B), Add	21.26	
			For 4" Or 6" WG (Class A), Add	56.70	
			For 28 Gauge, Deduct	-2.53	
			For 24 Gauge, Add	2.52	
			For 22 Gauge, Add	5.03	
			For 20 Gauge, Add	7.56	
			For 18 Gauge, Add	10.05	
			For 16 Gauge, Add	12.33	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	13.52	
			For Work In Restricted Working Space, Add	42.53	
			For Elevated Installation >10' To 15', Add	14.18	
			For Elevated Installation >15' To 20', Add	28.35	
			For Elevated Installation >20' To 25', Add	35.44	
			For Elevated Installation >25' To 30', Add	49.61	
			For Elevated Installation >30' To 35', Add	56.70	
			For Elevated Installation >35' To 40', Add	70.88	
			For Elevated Installation >40', Add	77.96	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0023	EA		16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	182.06	77.93
			For 3" WG (Class B), Add	23.38	
			For 4" Or 6" WG (Class A), Add	62.35	
			For 28 Gauge, Deduct	-3.63	
			For 24 Gauge, Add	3.61	
			For 22 Gauge, Add	7.21	
			For 20 Gauge, Add	10.84	
			For 18 Gauge, Add	14.40	
			For 16 Gauge, Add	17.67	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.37	
			For Work In Restricted Working Space, Add	46.76	
			For Elevated Installation >10' To 15', Add	15.59	
			For Elevated Installation >15' To 20', Add	31.18	
			For Elevated Installation >20' To 25', Add	38.97	
			For Elevated Installation >25' To 30', Add	54.56	
			For Elevated Installation >30' To 35', Add	62.35	
			For Elevated Installation >35' To 40', Add	77.94	
			For Elevated Installation >40', Add	85.73	
23 31 13 16-0024	EA		18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	201.40	81.10
			For 3" WG (Class B), Add	24.33	
			For 4" Or 6" WG (Class A), Add	64.88	
			For 28 Gauge, Deduct	-5.43	
			For 24 Gauge, Add	5.41	
			For 22 Gauge, Add	10.80	
			For 20 Gauge, Add	16.22	
			For 18 Gauge, Add	21.55	
			For 16 Gauge, Add	26.45	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	29.00	
			For Work In Restricted Working Space, Add	48.66	
			For Elevated Installation >10' To 15', Add	16.22	
			For Elevated Installation >15' To 20', Add	32.44	
			For Elevated Installation >20' To 25', Add	40.55	
			For Elevated Installation >25' To 30', Add	56.77	
			For Elevated Installation >30' To 35', Add	64.88	
			For Elevated Installation >35' To 40', Add	81.11	
			For Elevated Installation >40', Add	89.22	
			For 10" WG (Class A), Add	74.62	
23 31 13 16-0025	EA		20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	219.82	83.78
			For 3" WG (Class B), Add	25.13	
			For 4" Or 6" WG (Class A), Add	67.02	
			For 28 Gauge, Deduct	-7.24	
			For 24 Gauge, Add	7.21	
			For 22 Gauge, Add	14.40	
			For 20 Gauge, Add	21.64	
			For 18 Gauge, Add	28.74	
			For 16 Gauge, Add	35.28	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	38.67	
			For Work In Restricted Working Space, Add	50.27	
			For Elevated Installation >10' To 15', Add	16.76	
			For Elevated Installation >15' To 20', Add	33.51	
			For Elevated Installation >20' To 25', Add	41.89	
			For Elevated Installation >25' To 30', Add	58.65	
			For Elevated Installation >30' To 35', Add	67.02	
			For Elevated Installation >35' To 40', Add	83.78	
			For Elevated Installation >40', Add	92.16	
			For 10" WG (Class A), Add	77.08	
23 31 13 16-0026			2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbows (23 31 13 16-0001)		
23 31 13 16-0027	EA		4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	25.37	8.76
			For 3" WG (Class B), Add	3.29	
			For 4" Or 6" WG (Class A), Add	8.77	
			For 28 Gauge, Deduct	-0.48	
			For 24 Gauge, Add	0.48	
			For 22 Gauge, Add	0.95	
			For 20 Gauge, Add	1.43	
			For 18 Gauge, Add	1.90	
			For 16 Gauge, Add	2.33	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.55	
			For Work In Restricted Working Space, Add	6.58	
			For Elevated Installation >10' To 15', Add	2.19	
			For Elevated Installation >15' To 20', Add	4.38	
			For Elevated Installation >20' To 25', Add	5.48	
			For Elevated Installation >25' To 30', Add	7.67	
			For Elevated Installation >30' To 35', Add	8.77	
			For Elevated Installation >35' To 40', Add	10.96	
			For Elevated Installation >40', Add	12.06	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Air Distribution

23 30

HVAC Ducts and Casings

23 31

23

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
23 31 13 16-0028	EA	5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	28.98	10.04	
		For 3" WG (Class B), Add	3.76		
		For 4" Or 6" WG (Class A), Add	10.02		
		For 28 Gauge, Deduct	-0.54		
		For 24 Gauge, Add	0.54		
		For 22 Gauge, Add	1.08		
		For 20 Gauge, Add	1.63		
		For 18 Gauge, Add	2.16		
		For 16 Gauge, Add	2.65		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.91		
		For Work In Restricted Working Space, Add	7.52		
		For Elevated Installation >10' To 15', Add	2.51		
		For Elevated Installation >15' To 20', Add	5.01		
		For Elevated Installation >20' To 25', Add	6.26		
		For Elevated Installation >25' To 30', Add	8.77		
		For Elevated Installation >30' To 35', Add	10.02		
		For Elevated Installation >35' To 40', Add	12.53		
		For Elevated Installation >40', Add	13.78		
23 31 13 16-0029	EA	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	33.71	11.69	
		For 3" WG (Class B), Add	4.38		
		For 4" Or 6" WG (Class A), Add	11.69		
		For 28 Gauge, Deduct	-0.62		
		For 24 Gauge, Add	0.62		
		For 22 Gauge, Add	1.23		
		For 20 Gauge, Add	1.85		
		For 18 Gauge, Add	2.46		
		For 16 Gauge, Add	3.02		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.32		
		For Work In Restricted Working Space, Add	8.77		
		For Elevated Installation >10' To 15', Add	2.92		
		For Elevated Installation >15' To 20', Add	5.85		
		For Elevated Installation >20' To 25', Add	7.31		
		For Elevated Installation >25' To 30', Add	10.23		
		For Elevated Installation >30' To 35', Add	11.69		
		For Elevated Installation >35' To 40', Add	14.62		
		For Elevated Installation >40', Add	16.08		
23 31 13 16-0030	EA	7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	39.81	14.03	
		For 3" WG (Class B), Add	5.26		
		For 4" Or 6" WG (Class A), Add	14.03		
		For 28 Gauge, Deduct	-0.66		
		For 24 Gauge, Add	0.65		
		For 22 Gauge, Add	1.31		
		For 20 Gauge, Add	1.96		
		For 18 Gauge, Add	2.61		
		For 16 Gauge, Add	3.20		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.51		
		For Work In Restricted Working Space, Add	10.52		
		For Elevated Installation >10' To 15', Add	3.51		
		For Elevated Installation >15' To 20', Add	7.01		
		For Elevated Installation >20' To 25', Add	8.77		
		For Elevated Installation >25' To 30', Add	12.27		
		For Elevated Installation >30' To 35', Add	14.03		
		For Elevated Installation >35' To 40', Add	17.54		
		For Elevated Installation >40', Add	19.29		
23 31 13 16-0031	EA	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	49.34	17.54	
		For 3" WG (Class B), Add	6.58		
		For 4" Or 6" WG (Class A), Add	17.54		
		For 28 Gauge, Deduct	-0.76		
		For 24 Gauge, Add	0.76		
		For 22 Gauge, Add	1.52		
		For 20 Gauge, Add	2.28		
		For 18 Gauge, Add	3.03		
		For 16 Gauge, Add	3.71		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.07		
		For Work In Restricted Working Space, Add	13.15		
		For Elevated Installation >10' To 15', Add	4.38		
		For Elevated Installation >15' To 20', Add	8.77		
		For Elevated Installation >20' To 25', Add	10.96		
		For Elevated Installation >25' To 30', Add	15.34		
		For Elevated Installation >30' To 35', Add	17.54		
		For Elevated Installation >35' To 40', Add	21.92		
		For Elevated Installation >40', Add	24.11		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0032	EA		10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	66.32	23.38
			For 3" WG (Class B), Add	8.77	
			For 4" Or 6" WG (Class A), Add	23.38	
			For 28 Gauge, Deduct	-1.09	
			For 24 Gauge, Add	1.08	
			For 22 Gauge, Add	2.17	
			For 20 Gauge, Add	3.25	
			For 18 Gauge, Add	4.32	
			For 16 Gauge, Add	5.31	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.82	
			For Work In Restricted Working Space, Add	17.54	
			For Elevated Installation >10' To 15', Add	5.85	
			For Elevated Installation >15' To 20', Add	11.69	
			For Elevated Installation >20' To 25', Add	14.62	
			For Elevated Installation >25' To 30', Add	20.46	
			For Elevated Installation >30' To 35', Add	23.38	
			For Elevated Installation >35' To 40', Add	29.23	
			For Elevated Installation >40', Add	32.15	
23 31 13 16-0033	EA		12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	98.08	35.07
			For 3" WG (Class B), Add	13.15	
			For 4" Or 6" WG (Class A), Add	35.07	
			For 28 Gauge, Deduct	-1.44	
			For 24 Gauge, Add	1.44	
			For 22 Gauge, Add	2.87	
			For 20 Gauge, Add	4.31	
			For 18 Gauge, Add	5.72	
			For 16 Gauge, Add	7.02	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.70	
			For Work In Restricted Working Space, Add	26.30	
			For Elevated Installation >10' To 15', Add	8.77	
			For Elevated Installation >15' To 20', Add	17.54	
			For Elevated Installation >20' To 25', Add	21.92	
			For Elevated Installation >25' To 30', Add	30.69	
			For Elevated Installation >30' To 35', Add	35.07	
			For Elevated Installation >35' To 40', Add	43.84	
			For Elevated Installation >40', Add	48.22	
23 31 13 16-0034	EA		14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	131.51	44.81
			For 3" WG (Class B), Add	16.80	
			For 4" Or 6" WG (Class A), Add	44.81	
			For 28 Gauge, Deduct	-2.70	
			For 24 Gauge, Add	2.69	
			For 22 Gauge, Add	5.37	
			For 20 Gauge, Add	8.06	
			For 18 Gauge, Add	10.71	
			For 16 Gauge, Add	13.15	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.42	
			For Work In Restricted Working Space, Add	33.61	
			For Elevated Installation >10' To 15', Add	11.20	
			For Elevated Installation >15' To 20', Add	22.41	
			For Elevated Installation >20' To 25', Add	28.01	
			For Elevated Installation >25' To 30', Add	39.21	
			For Elevated Installation >30' To 35', Add	44.81	
			For Elevated Installation >35' To 40', Add	56.02	
			For Elevated Installation >40', Add	61.62	
23 31 13 16-0035	EA		16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	165.09	56.50
			For 3" WG (Class B), Add	21.19	
			For 4" Or 6" WG (Class A), Add	56.50	
			For 28 Gauge, Deduct	-3.30	
			For 24 Gauge, Add	3.29	
			For 22 Gauge, Add	6.57	
			For 20 Gauge, Add	9.87	
			For 18 Gauge, Add	13.11	
			For 16 Gauge, Add	16.09	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	17.63	
			For Work In Restricted Working Space, Add	42.38	
			For Elevated Installation >10' To 15', Add	14.13	
			For Elevated Installation >15' To 20', Add	28.25	
			For Elevated Installation >20' To 25', Add	35.32	
			For Elevated Installation >25' To 30', Add	49.44	
			For Elevated Installation >30' To 35', Add	56.50	
			For Elevated Installation >35' To 40', Add	70.63	
			For Elevated Installation >40', Add	77.69	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Air Distribution

23 30

HVAC Ducts and Casings

23 31

23

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0036	EA	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow		184.13	58.94
		For 3" WG (Class B), Add		22.07	
		For 4" Or 6" WG (Class A), Add		58.84	
		For 28 Gauge, Deduct		-5.13	
		For 24 Gauge, Add		5.11	
		For 22 Gauge, Add		10.20	
		For 20 Gauge, Add		15.33	
		For 18 Gauge, Add		20.36	
		For 16 Gauge, Add		24.99	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add		27.39	
		For Work In Restricted Working Space, Add		44.13	
		For Elevated Installation >10' To 15', Add		14.71	
		For Elevated Installation >15' To 20', Add		29.42	
		For Elevated Installation >20' To 25', Add		36.78	
		For Elevated Installation >25' To 30', Add		51.49	
		For Elevated Installation >30' To 35', Add		58.84	
		For Elevated Installation >35' To 40', Add		73.56	
		For Elevated Installation >40', Add		80.91	
		For 10" WG (Class A), Add		67.67	
23 31 13 16-0037	EA	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow		200.36	60.40
		For 3" WG (Class B), Add		22.65	
		For 4" Or 6" WG (Class A), Add		60.40	
		For 28 Gauge, Deduct		-6.84	
		For 24 Gauge, Add		6.81	
		For 22 Gauge, Add		13.60	
		For 20 Gauge, Add		20.44	
		For 18 Gauge, Add		27.15	
		For 16 Gauge, Add		33.32	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add		36.53	
		For Work In Restricted Working Space, Add		45.30	
		For Elevated Installation >10' To 15', Add		15.10	
		For Elevated Installation >15' To 20', Add		30.20	
		For Elevated Installation >20' To 25', Add		37.75	
		For Elevated Installation >25' To 30', Add		52.85	
		For Elevated Installation >30' To 35', Add		60.40	
		For Elevated Installation >35' To 40', Add		75.50	
		For Elevated Installation >40', Add		83.05	
		For 10" WG (Class A), Add		69.46	
23 31 13 16-0038		2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbows (23 31 13 16-0001)			
23 31 13 16-0039	EA	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow		24.09	8.76
		For 3" WG (Class B), Add		3.29	
		For 4" Or 6" WG (Class A), Add		8.77	
		For 28 Gauge, Deduct		-0.30	
		For 24 Gauge, Add		0.30	
		For 22 Gauge, Add		0.60	
		For 20 Gauge, Add		0.90	
		For 18 Gauge, Add		1.19	
		For 16 Gauge, Add		1.46	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add		1.61	
		For Work In Restricted Working Space, Add		6.58	
		For Elevated Installation >10' To 15', Add		2.19	
		For Elevated Installation >15' To 20', Add		4.38	
		For Elevated Installation >20' To 25', Add		5.48	
		For Elevated Installation >25' To 30', Add		7.67	
		For Elevated Installation >30' To 35', Add		8.77	
		For Elevated Installation >35' To 40', Add		10.96	
		For Elevated Installation >40', Add		12.06	
23 31 13 16-0040	EA	5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow		27.83	10.04
		For 3" WG (Class B), Add		3.76	
		For 4" Or 6" WG (Class A), Add		10.02	
		For 28 Gauge, Deduct		-0.39	
		For 24 Gauge, Add		0.38	
		For 22 Gauge, Add		0.77	
		For 20 Gauge, Add		1.15	
		For 18 Gauge, Add		1.53	
		For 16 Gauge, Add		1.88	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add		2.06	
		For Work In Restricted Working Space, Add		7.52	
		For Elevated Installation >10' To 15', Add		2.51	
		For Elevated Installation >15' To 20', Add		5.01	
		For Elevated Installation >20' To 25', Add		6.26	
		For Elevated Installation >25' To 30', Add		8.77	
		For Elevated Installation >30' To 35', Add		10.02	
		For Elevated Installation >35' To 40', Add		12.53	
		For Elevated Installation >40', Add		13.78	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0041	EA		6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	32.27	11.69
			For 3" WG (Class B), Add	4.38	
			For 4" Or 6" WG (Class A), Add	11.69	
			For 28 Gauge, Deduct	-0.42	
			For 24 Gauge, Add	0.42	
			For 22 Gauge, Add	0.84	
			For 20 Gauge, Add	1.26	
			For 18 Gauge, Add	1.67	
			For 16 Gauge, Add	2.05	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.25	
			For Work In Restricted Working Space, Add	8.77	
			For Elevated Installation >10' To 15', Add	2.92	
			For Elevated Installation >15' To 20', Add	5.85	
			For Elevated Installation >20' To 25', Add	7.31	
			For Elevated Installation >25' To 30', Add	10.23	
			For Elevated Installation >30' To 35', Add	11.69	
			For Elevated Installation >35' To 40', Add	14.62	
			For Elevated Installation >40', Add	16.08	
23 31 13 16-0042	EA		7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	38.59	14.03
			For 3" WG (Class B), Add	5.26	
			For 4" Or 6" WG (Class A), Add	14.03	
			For 28 Gauge, Deduct	-0.49	
			For 24 Gauge, Add	0.49	
			For 22 Gauge, Add	0.97	
			For 20 Gauge, Add	1.46	
			For 18 Gauge, Add	1.94	
			For 16 Gauge, Add	2.38	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.60	
			For Work In Restricted Working Space, Add	10.52	
			For Elevated Installation >10' To 15', Add	3.51	
			For Elevated Installation >15' To 20', Add	7.01	
			For Elevated Installation >20' To 25', Add	8.77	
			For Elevated Installation >25' To 30', Add	12.27	
			For Elevated Installation >30' To 35', Add	14.03	
			For Elevated Installation >35' To 40', Add	17.54	
			For Elevated Installation >40', Add	19.29	
23 31 13 16-0043	EA		8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	47.84	17.54
			For 3" WG (Class B), Add	6.58	
			For 4" Or 6" WG (Class A), Add	17.54	
			For 28 Gauge, Deduct	-0.55	
			For 24 Gauge, Add	0.55	
			For 22 Gauge, Add	1.10	
			For 20 Gauge, Add	1.66	
			For 18 Gauge, Add	2.20	
			For 16 Gauge, Add	2.70	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.96	
			For Work In Restricted Working Space, Add	13.15	
			For Elevated Installation >10' To 15', Add	4.38	
			For Elevated Installation >15' To 20', Add	8.77	
			For Elevated Installation >20' To 25', Add	10.96	
			For Elevated Installation >25' To 30', Add	15.34	
			For Elevated Installation >30' To 35', Add	17.54	
			For Elevated Installation >35' To 40', Add	21.92	
			For Elevated Installation >40', Add	24.11	
23 31 13 16-0044	EA		10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	64.57	23.38
			For 3" WG (Class B), Add	8.77	
			For 4" Or 6" WG (Class A), Add	23.38	
			For 28 Gauge, Deduct	-0.85	
			For 24 Gauge, Add	0.84	
			For 22 Gauge, Add	1.68	
			For 20 Gauge, Add	2.53	
			For 18 Gauge, Add	3.36	
			For 16 Gauge, Add	4.12	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.52	
			For Work In Restricted Working Space, Add	17.54	
			For Elevated Installation >10' To 15', Add	5.85	
			For Elevated Installation >15' To 20', Add	11.69	
			For Elevated Installation >20' To 25', Add	14.62	
			For Elevated Installation >25' To 30', Add	20.46	
			For Elevated Installation >30' To 35', Add	23.38	
			For Elevated Installation >35' To 40', Add	29.23	
			For Elevated Installation >40', Add	32.15	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Air Distribution

23 30

HVAC Ducts and Casings

23 31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0045	EA	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	95.54	35.07
		For 3" WG (Class B), Add	13.15	
		For 4" Or 6" WG (Class A), Add	35.07	
		For 28 Gauge, Deduct	-1.09	
		For 24 Gauge, Add	1.08	
		For 22 Gauge, Add	2.17	
		For 20 Gauge, Add	3.25	
		For 18 Gauge, Add	4.32	
		For 16 Gauge, Add	5.31	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.82	
		For Work In Restricted Working Space, Add	26.30	
		For Elevated Installation >10' To 15', Add	8.77	
		For Elevated Installation >15' To 20', Add	17.54	
		For Elevated Installation >20' To 25', Add	21.92	
		For Elevated Installation >25' To 30', Add	30.69	
		For Elevated Installation >30' To 35', Add	35.07	
		For Elevated Installation >35' To 40', Add	43.84	
		For Elevated Installation >40', Add	48.22	
23 31 13 16-0046	EA	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	125.64	44.81
		For 3" WG (Class B), Add	16.80	
		For 4" Or 6" WG (Class A), Add	44.81	
		For 28 Gauge, Deduct	-1.88	
		For 24 Gauge, Add	1.88	
		For 22 Gauge, Add	3.75	
		For 20 Gauge, Add	5.63	
		For 18 Gauge, Add	7.49	
		For 16 Gauge, Add	9.19	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	10.07	
		For Work In Restricted Working Space, Add	33.61	
		For Elevated Installation >10' To 15', Add	11.20	
		For Elevated Installation >15' To 20', Add	22.41	
		For Elevated Installation >20' To 25', Add	28.01	
		For Elevated Installation >25' To 30', Add	39.21	
		For Elevated Installation >30' To 35', Add	44.81	
		For Elevated Installation >35' To 40', Add	56.02	
		For Elevated Installation >40', Add	61.62	
23 31 13 16-0047	EA	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	163.58	56.50
		For 3" WG (Class B), Add	21.19	
		For 4" Or 6" WG (Class A), Add	56.50	
		For 28 Gauge, Deduct	-3.09	
		For 24 Gauge, Add	3.08	
		For 22 Gauge, Add	6.15	
		For 20 Gauge, Add	9.24	
		For 18 Gauge, Add	12.28	
		For 16 Gauge, Add	15.07	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.52	
		For Work In Restricted Working Space, Add	42.38	
		For Elevated Installation >10' To 15', Add	14.13	
		For Elevated Installation >15' To 20', Add	28.25	
		For Elevated Installation >20' To 25', Add	35.32	
		For Elevated Installation >25' To 30', Add	49.44	
		For Elevated Installation >30' To 35', Add	56.50	
		For Elevated Installation >35' To 40', Add	70.63	
		For Elevated Installation >40', Add	77.69	
23 31 13 16-0048	EA	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	174.09	58.94
		For 3" WG (Class B), Add	22.07	
		For 4" Or 6" WG (Class A), Add	58.84	
		For 28 Gauge, Deduct	-3.74	
		For 24 Gauge, Add	3.72	
		For 22 Gauge, Add	7.43	
		For 20 Gauge, Add	11.17	
		For 18 Gauge, Add	14.84	
		For 16 Gauge, Add	18.21	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.97	
		For Work In Restricted Working Space, Add	44.13	
		For Elevated Installation >10' To 15', Add	14.71	
		For Elevated Installation >15' To 20', Add	29.42	
		For Elevated Installation >20' To 25', Add	36.78	
		For Elevated Installation >25' To 30', Add	51.49	
		For Elevated Installation >30' To 35', Add	58.84	
		For Elevated Installation >35' To 40', Add	73.56	
		For Elevated Installation >40', Add	80.91	
		For 10" WG (Class A), Add	67.67	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 16-0049	EA	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	185.56	60.40
		For 3" WG (Class B), Add	22.65	
		For 4" Or 6" WG (Class A), Add	60.40	
		For 28 Gauge, Deduct	-4.79	
		For 24 Gauge, Add	4.77	
		For 22 Gauge, Add	9.52	
		For 20 Gauge, Add	14.31	
		For 18 Gauge, Add	19.01	
		For 16 Gauge, Add	23.33	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	25.57	
		For Work In Restricted Working Space, Add	45.30	
		For Elevated Installation >10' To 15', Add	15.10	
		For Elevated Installation >15' To 20', Add	30.20	
		For Elevated Installation >20' To 25', Add	37.75	
		For Elevated Installation >25' To 30', Add	52.85	
		For Elevated Installation >30' To 35', Add	60.40	
		For Elevated Installation >35' To 40', Add	75.50	
		For Elevated Installation >40', Add	83.05	
		For 10" WG (Class A), Add	69.46	

23 31 13 16-0050 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tees

(23 31 13 16-0001)

23 31 13 16-0051	EA	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee	37.71	13.15
		For 3" WG (Class B), Add	4.93	
		For 4" Or 6" WG (Class A), Add	13.15	
		For 28 Gauge, Deduct	-0.67	
		For 24 Gauge, Add	0.67	
		For 22 Gauge, Add	1.33	
		For 20 Gauge, Add	2.00	
		For 18 Gauge, Add	2.66	
		For 16 Gauge, Add	3.26	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.57	
		For Work In Restricted Working Space, Add	9.86	
		For Elevated Installation >10' To 15', Add	3.29	
		For Elevated Installation >15' To 20', Add	6.58	
		For Elevated Installation >20' To 25', Add	8.22	
		For Elevated Installation >25' To 30', Add	11.51	
		For Elevated Installation >30' To 35', Add	13.15	
		For Elevated Installation >35' To 40', Add	16.44	
		For Elevated Installation >40', Add	18.08	
23 31 13 16-0052	EA	5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee	43.99	15.01
		For 3" WG (Class B), Add	5.64	
		For 4" Or 6" WG (Class A), Add	15.03	
		For 28 Gauge, Deduct	-0.89	
		For 24 Gauge, Add	0.88	
		For 22 Gauge, Add	1.77	
		For 20 Gauge, Add	2.65	
		For 18 Gauge, Add	3.53	
		For 16 Gauge, Add	4.33	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.74	
		For Work In Restricted Working Space, Add	11.27	
		For Elevated Installation >10' To 15', Add	3.76	
		For Elevated Installation >15' To 20', Add	7.52	
		For Elevated Installation >20' To 25', Add	9.40	
		For Elevated Installation >25' To 30', Add	13.15	
		For Elevated Installation >30' To 35', Add	15.03	
		For Elevated Installation >35' To 40', Add	18.79	
		For Elevated Installation >40', Add	20.67	
23 31 13 16-0053	EA	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee	50.80	17.54
		For 3" WG (Class B), Add	6.58	
		For 4" Or 6" WG (Class A), Add	17.54	
		For 28 Gauge, Deduct	-0.96	
		For 24 Gauge, Add	0.96	
		For 22 Gauge, Add	1.92	
		For 20 Gauge, Add	2.88	
		For 18 Gauge, Add	3.83	
		For 16 Gauge, Add	4.70	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.15	
		For Work In Restricted Working Space, Add	13.15	
		For Elevated Installation >10' To 15', Add	4.38	
		For Elevated Installation >15' To 20', Add	8.77	
		For Elevated Installation >20' To 25', Add	10.96	
		For Elevated Installation >25' To 30', Add	15.34	
		For Elevated Installation >30' To 35', Add	17.54	
		For Elevated Installation >35' To 40', Add	21.92	
		For Elevated Installation >40', Add	24.11	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Air Distribution

23 30

HVAC Ducts and Casings

23 31

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0054 EA 7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	60.62	21.04
For 3" WG (Class B), Add	7.89	
For 4" Or 6" WG (Class A), Add	21.04	
For 28 Gauge, Deduct	-1.11	
For 24 Gauge, Add	1.11	
For 22 Gauge, Add	2.21	
For 20 Gauge, Add	3.32	
For 18 Gauge, Add	4.41	
For 16 Gauge, Add	5.41	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.93	
For Work In Restricted Working Space, Add	15.78	
For Elevated Installation >10' To 15', Add	5.26	
For Elevated Installation >15' To 20', Add	10.52	
For Elevated Installation >20' To 25', Add	13.15	
For Elevated Installation >25' To 30', Add	18.41	
For Elevated Installation >30' To 35', Add	21.04	
For Elevated Installation >35' To 40', Add	26.31	
For Elevated Installation >40', Add	28.94	
23 31 13 16-0055 EA 8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	78.71	26.30
For 3" WG (Class B), Add	9.87	
For 4" Or 6" WG (Class A), Add	26.31	
For 28 Gauge, Deduct	-1.79	
For 24 Gauge, Add	1.79	
For 22 Gauge, Add	3.56	
For 20 Gauge, Add	5.36	
For 18 Gauge, Add	7.12	
For 16 Gauge, Add	8.73	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.58	
For Work In Restricted Working Space, Add	19.73	
For Elevated Installation >10' To 15', Add	6.58	
For Elevated Installation >15' To 20', Add	13.15	
For Elevated Installation >20' To 25', Add	16.44	
For Elevated Installation >25' To 30', Add	23.02	
For Elevated Installation >30' To 35', Add	26.31	
For Elevated Installation >35' To 40', Add	32.89	
For Elevated Installation >40', Add	36.17	
23 31 13 16-0056 EA 10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	104.19	35.07
For 3" WG (Class B), Add	13.15	
For 4" Or 6" WG (Class A), Add	35.07	
For 28 Gauge, Deduct	-2.29	
For 24 Gauge, Add	2.28	
For 22 Gauge, Add	4.55	
For 20 Gauge, Add	6.84	
For 18 Gauge, Add	9.08	
For 16 Gauge, Add	11.14	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	12.22	
For Work In Restricted Working Space, Add	26.30	
For Elevated Installation >10' To 15', Add	8.77	
For Elevated Installation >15' To 20', Add	17.54	
For Elevated Installation >20' To 25', Add	21.92	
For Elevated Installation >25' To 30', Add	30.69	
For Elevated Installation >30' To 35', Add	35.07	
For Elevated Installation >35' To 40', Add	43.84	
For Elevated Installation >40', Add	48.22	
23 31 13 16-0057 EA 12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	148.01	52.61
For 3" WG (Class B), Add	19.73	
For 4" Or 6" WG (Class A), Add	52.60	
For 28 Gauge, Deduct	-2.29	
For 24 Gauge, Add	2.28	
For 22 Gauge, Add	4.55	
For 20 Gauge, Add	6.84	
For 18 Gauge, Add	9.08	
For 16 Gauge, Add	11.14	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	12.22	
For Work In Restricted Working Space, Add	39.45	
For Elevated Installation >10' To 15', Add	13.15	
For Elevated Installation >15' To 20', Add	26.30	
For Elevated Installation >20' To 25', Add	32.88	
For Elevated Installation >25' To 30', Add	46.03	
For Elevated Installation >30' To 35', Add	52.60	
For Elevated Installation >35' To 40', Add	65.75	
For Elevated Installation >40', Add	72.33	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0058 EA 14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	199.42	67.03
For 3" WG (Class B), Add	25.20	
For 4" Or 6" WG (Class A), Add	67.19	
For 28 Gauge, Deduct	-4.36	
For 24 Gauge, Add	4.34	
For 22 Gauge, Add	8.66	
For 20 Gauge, Add	13.02	
For 18 Gauge, Add	17.30	
For 16 Gauge, Add	21.23	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.27	
For Work In Restricted Working Space, Add	50.39	
For Elevated Installation >10' To 15', Add	16.80	
For Elevated Installation >15' To 20', Add	33.59	
For Elevated Installation >20' To 25', Add	41.99	
For Elevated Installation >25' To 30', Add	58.79	
For Elevated Installation >30' To 35', Add	67.19	
For Elevated Installation >35' To 40', Add	83.99	
For Elevated Installation >40', Add	92.38	
23 31 13 16-0059 EA 16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	255.94	84.95
For 3" WG (Class B), Add	31.77	
For 4" Or 6" WG (Class A), Add	84.72	
For 28 Gauge, Deduct	-6.11	
For 24 Gauge, Add	6.09	
For 22 Gauge, Add	12.16	
For 20 Gauge, Add	18.28	
For 18 Gauge, Add	24.28	
For 16 Gauge, Add	29.80	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	32.67	
For Work In Restricted Working Space, Add	63.54	
For Elevated Installation >10' To 15', Add	21.18	
For Elevated Installation >15' To 20', Add	42.36	
For Elevated Installation >20' To 25', Add	52.95	
For Elevated Installation >25' To 30', Add	74.13	
For Elevated Installation >30' To 35', Add	84.72	
For Elevated Installation >35' To 40', Add	105.90	
For Elevated Installation >40', Add	116.48	
23 31 13 16-0060 EA 18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	292.98	94.50
For 3" WG (Class B), Add	35.51	
For 4" Or 6" WG (Class A), Add	94.69	
For 28 Gauge, Deduct	-7.79	
For 24 Gauge, Add	7.76	
For 22 Gauge, Add	15.50	
For 20 Gauge, Add	23.29	
For 18 Gauge, Add	30.94	
For 16 Gauge, Add	37.97	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	41.63	
For Work In Restricted Working Space, Add	71.02	
For Elevated Installation >10' To 15', Add	23.67	
For Elevated Installation >15' To 20', Add	47.35	
For Elevated Installation >20' To 25', Add	59.18	
For Elevated Installation >25' To 30', Add	82.86	
For Elevated Installation >30' To 35', Add	94.69	
For Elevated Installation >35' To 40', Add	118.37	
For Elevated Installation >40', Add	130.20	
For 10" WG (Class A), Add	108.90	
23 31 13 16-0061 EA 20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	306.95	97.91
For 3" WG (Class B), Add	36.68	
For 4" Or 6" WG (Class A), Add	97.81	
For 28 Gauge, Deduct	-8.65	
For 24 Gauge, Add	8.61	
For 22 Gauge, Add	17.20	
For 20 Gauge, Add	25.84	
For 18 Gauge, Add	34.33	
For 16 Gauge, Add	42.13	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	46.19	
For Work In Restricted Working Space, Add	73.36	
For Elevated Installation >10' To 15', Add	24.45	
For Elevated Installation >15' To 20', Add	48.91	
For Elevated Installation >20' To 25', Add	61.13	
For Elevated Installation >25' To 30', Add	85.59	
For Elevated Installation >30' To 35', Add	97.81	
For Elevated Installation >35' To 40', Add	122.27	
For Elevated Installation >40', Add	134.49	
For 10" WG (Class A), Add	112.48	

23 31 13 16-0062 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connectors (23 31 13 16-0001)

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Air Distribution

23 30

HVAC Ducts and Casings

23 31

23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0063	EA	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector.....	17.20	
		For 3" WG (Class B), Add	2.34	
		For 4" Or 6" WG (Class A), Add	6.23	
		For Work In Restricted Working Space, Add	4.67	
		For Elevated Installation >10' To 15', Add	1.56	
		For Elevated Installation >15' To 20', Add	3.12	
		For Elevated Installation >20' To 25', Add	3.90	
		For Elevated Installation >25' To 30', Add	5.45	
		For Elevated Installation >30' To 35', Add	6.23	
		For Elevated Installation >35' To 40', Add	7.79	
		For Elevated Installation >40', Add	8.57	
23 31 13 16-0064	EA	5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector.....	18.12	
		For 3" WG (Class B), Add	2.46	
		For 4" Or 6" WG (Class A), Add	6.55	
		For Work In Restricted Working Space, Add	4.91	
		For Elevated Installation >10' To 15', Add	1.64	
		For Elevated Installation >15' To 20', Add	3.28	
		For Elevated Installation >20' To 25', Add	4.10	
		For Elevated Installation >25' To 30', Add	5.73	
		For Elevated Installation >30' To 35', Add	6.55	
		For Elevated Installation >35' To 40', Add	8.19	
		For Elevated Installation >40', Add	9.01	
23 31 13 16-0065	EA	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector.....	19.42	
		For 3" WG (Class B), Add	2.63	
		For 4" Or 6" WG (Class A), Add	7.02	
		For Work In Restricted Working Space, Add	5.26	
		For Elevated Installation >10' To 15', Add	1.75	
		For Elevated Installation >15' To 20', Add	3.51	
		For Elevated Installation >20' To 25', Add	4.39	
		For Elevated Installation >25' To 30', Add	6.14	
		For Elevated Installation >30' To 35', Add	7.02	
		For Elevated Installation >35' To 40', Add	8.77	
		For Elevated Installation >40', Add	9.65	
23 31 13 16-0066	EA	7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector.....	20.65	
		For 3" WG (Class B), Add	2.78	
		For 4" Or 6" WG (Class A), Add	7.40	
		For Work In Restricted Working Space, Add	5.55	
		For Elevated Installation >10' To 15', Add	1.85	
		For Elevated Installation >15' To 20', Add	3.70	
		For Elevated Installation >20' To 25', Add	4.63	
		For Elevated Installation >25' To 30', Add	6.48	
		For Elevated Installation >30' To 35', Add	7.40	
		For Elevated Installation >35' To 40', Add	9.26	
		For Elevated Installation >40', Add	10.18	
23 31 13 16-0067	EA	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector.....	22.39	
		For 3" WG (Class B), Add	3.00	
		For 4" Or 6" WG (Class A), Add	7.99	
		For Work In Restricted Working Space, Add	5.99	
		For Elevated Installation >10' To 15', Add	2.00	
		For Elevated Installation >15' To 20', Add	3.99	
		For Elevated Installation >20' To 25', Add	4.99	
		For Elevated Installation >25' To 30', Add	6.99	
		For Elevated Installation >30' To 35', Add	7.99	
		For Elevated Installation >35' To 40', Add	9.99	
		For Elevated Installation >40', Add	10.98	
23 31 13 16-0068	EA	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector.....	26.12	
		For 3" WG (Class B), Add	3.35	
		For 4" Or 6" WG (Class A), Add	8.92	
		For Work In Restricted Working Space, Add	6.69	
		For Elevated Installation >10' To 15', Add	2.23	
		For Elevated Installation >15' To 20', Add	4.46	
		For Elevated Installation >20' To 25', Add	5.58	
		For Elevated Installation >25' To 30', Add	7.81	
		For Elevated Installation >30' To 35', Add	8.92	
		For Elevated Installation >35' To 40', Add	11.16	
		For Elevated Installation >40', Add	12.27	
23 31 13 16-0069	EA	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector.....	35.78	
		For 3" WG (Class B), Add	4.68	
		For 4" Or 6" WG (Class A), Add	12.47	
		For Work In Restricted Working Space, Add	9.35	
		For Elevated Installation >10' To 15', Add	3.12	
		For Elevated Installation >15' To 20', Add	6.24	
		For Elevated Installation >20' To 25', Add	7.80	
		For Elevated Installation >25' To 30', Add	10.91	
		For Elevated Installation >30' To 35', Add	12.47	
		For Elevated Installation >35' To 40', Add	15.59	
		For Elevated Installation >40', Add	17.15	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0070	EA	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector.....	40.82		
		For 3" WG (Class B), Add	5.32		
		For 4" Or 6" WG (Class A), Add	14.19		
		For Work In Restricted Working Space, Add	10.64		
		For Elevated Installation >10' To 15', Add	3.55		
		For Elevated Installation >15' To 20', Add	7.09		
		For Elevated Installation >20' To 25', Add	8.87		
		For Elevated Installation >25' To 30', Add	12.41		
		For Elevated Installation >30' To 35', Add	14.19		
		For Elevated Installation >35' To 40', Add	17.74		
		For Elevated Installation >40', Add	19.51		
23 31 13 16-0071	EA	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector.....	44.87		
		For 3" WG (Class B), Add	5.83		
		For 4" Or 6" WG (Class A), Add	15.55		
		For Work In Restricted Working Space, Add	11.86		
		For Elevated Installation >10' To 15', Add	3.89		
		For Elevated Installation >15' To 20', Add	7.78		
		For Elevated Installation >20' To 25', Add	9.72		
		For Elevated Installation >25' To 30', Add	13.61		
		For Elevated Installation >30' To 35', Add	15.55		
		For Elevated Installation >35' To 40', Add	19.44		
		For Elevated Installation >40', Add	21.38		
23 31 13 16-0072	EA	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector.....	48.78		
		For 3" WG (Class B), Add	6.31		
		For 4" Or 6" WG (Class A), Add	16.84		
		For Work In Restricted Working Space, Add	12.63		
		For Elevated Installation >10' To 15', Add	4.21		
		For Elevated Installation >15' To 20', Add	8.42		
		For Elevated Installation >20' To 25', Add	10.52		
		For Elevated Installation >25' To 30', Add	14.73		
		For Elevated Installation >30' To 35', Add	16.84		
		For Elevated Installation >35' To 40', Add	21.05		
		For Elevated Installation >40', Add	23.15		
		For 10" WG (Class A), Add	19.36		
23 31 13 16-0073	EA	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector.....	53.15		
		For 3" WG (Class B), Add	6.88		
		For 4" Or 6" WG (Class A), Add	18.36		
		For Work In Restricted Working Space, Add	13.77		
		For Elevated Installation >10' To 15', Add	4.59		
		For Elevated Installation >15' To 20', Add	9.18		
		For Elevated Installation >20' To 25', Add	11.47		
		For Elevated Installation >25' To 30', Add	16.06		
		For Elevated Installation >30' To 35', Add	18.36		
		For Elevated Installation >35' To 40', Add	22.95		
		For Elevated Installation >40', Add	25.24		
		For 10" WG (Class A), Add	21.11		
23 31 13 16-0074		Slip Joint, Galvanized, Spiral Duct And Fittings (23 31 13 16)			
23 31 13 16-0075		Slip Joint, Galvanized, Spiral Duct (23 31 13 16-0074)			
23 31 13 16-0076	LF	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	6.30		0.90
		For 3" WG (Class B), Add	0.72		
		For 4" Or 6" WG (Class A), Add	1.93		
		For 24 Gauge, Add	0.30		
		For 22 Gauge, Add	0.68		
		For 20 Gauge, Add	1.11		
		For 18 Gauge, Add	1.70		
		For 16 Gauge, Add	2.07		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.10		
		For Work In Restricted Working Space, Add	1.45		
23 31 13 16-0077	LF	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	7.92		1.80
		For 3" WG (Class B), Add	0.87		
		For 4" Or 6" WG (Class A), Add	2.31		
		For 24 Gauge, Add	0.43		
		For 22 Gauge, Add	0.98		
		For 20 Gauge, Add	1.61		
		For 18 Gauge, Add	2.46		
		For 16 Gauge, Add	3.00		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.58		
		For Work In Restricted Working Space, Add	1.73		
23 31 13 16-0078	LF	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	9.99		1.80
		For 3" WG (Class B), Add	1.08		
		For 4" Or 6" WG (Class A), Add	2.87		
		For 24 Gauge, Add	0.56		
		For 22 Gauge, Add	1.30		
		For 20 Gauge, Add	2.12		
		For 18 Gauge, Add	3.24		
		For 16 Gauge, Add	3.95		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.09		
		For Work In Restricted Working Space, Add	2.15		



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Air Distribution			23 30	
HVAC Ducts and Casings			23 31	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
23 31 13 16-0079	LF	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	12.10	1.80
		For 3" WG (Class B), Add	1.29	
		For 4" Or 6" WG (Class A), Add	3.45	
		For 24 Gauge, Add	0.70	
		For 22 Gauge, Add	1.60	
		For 20 Gauge, Add	2.61	
		For 18 Gauge, Add	4.00	
		For 16 Gauge, Add	4.87	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.58	
		For Work In Restricted Working Space, Add	2.59	
23 31 13 16-0080	LF	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	15.08	2.69
		For 3" WG (Class B), Add	1.62	
		For 4" Or 6" WG (Class A), Add	4.32	
		For 24 Gauge, Add	0.86	
		For 22 Gauge, Add	1.97	
		For 20 Gauge, Add	3.21	
		For 18 Gauge, Add	4.92	
		For 16 Gauge, Add	5.99	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.17	
		For Work In Restricted Working Space, Add	3.24	
23 31 13 16-0081	LF	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	18.46	2.69
		For 3" WG (Class B), Add	2.03	
		For 4" Or 6" WG (Class A), Add	5.40	
		For 24 Gauge, Add	0.99	
		For 22 Gauge, Add	2.28	
		For 20 Gauge, Add	3.72	
		For 18 Gauge, Add	5.70	
		For 16 Gauge, Add	6.94	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.67	
		For Work In Restricted Working Space, Add	4.05	
23 31 13 16-0082	LF	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	25.17	2.69
		For 3" WG (Class B), Add	2.70	
		For 4" Or 6" WG (Class A), Add	7.19	
		For 24 Gauge, Add	1.44	
		For 22 Gauge, Add	3.31	
		For 20 Gauge, Add	5.40	
		For 18 Gauge, Add	8.28	
		For 16 Gauge, Add	10.08	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.33	
		For Work In Restricted Working Space, Add	5.39	
23 31 13 16-0083	LF	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	28.94	3.60
		For 3" WG (Class B), Add	3.14	
		For 4" Or 6" WG (Class A), Add	8.38	
		For 24 Gauge, Add	1.60	
		For 22 Gauge, Add	3.68	
		For 20 Gauge, Add	5.99	
		For 18 Gauge, Add	9.19	
		For 16 Gauge, Add	11.19	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.91	
		For Work In Restricted Working Space, Add	6.29	
23 31 13 16-0084	LF	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	32.70	3.60
		For 3" WG (Class B), Add	3.57	
		For 4" Or 6" WG (Class A), Add	9.52	
		For 24 Gauge, Add	1.78	
		For 22 Gauge, Add	4.10	
		For 20 Gauge, Add	6.68	
		For 18 Gauge, Add	10.25	
		For 16 Gauge, Add	12.47	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.59	
		For Work In Restricted Working Space, Add	7.14	
23 31 13 16-0085	LF	22" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	36.64	4.50
		For 3" WG (Class B), Add	4.02	
		For 4" Or 6" WG (Class A), Add	10.72	
		For 24 Gauge, Add	1.97	
		For 22 Gauge, Add	4.53	
		For 20 Gauge, Add	7.39	
		For 18 Gauge, Add	11.33	
		For 16 Gauge, Add	13.79	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.29	
		For Work In Restricted Working Space, Add	8.04	
23 31 13 16-0086	LF	24" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	40.68	5.40
		For 3" WG (Class B), Add	4.50	
		For 4" Or 6" WG (Class A), Add	11.99	
		For 24 Gauge, Add	2.14	
		For 22 Gauge, Add	4.92	
		For 20 Gauge, Add	8.03	
		For 18 Gauge, Add	12.31	
		For 16 Gauge, Add	14.98	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.92	
		For Work In Restricted Working Space, Add	8.99	

23 31 13 16-0087 Slip Joint, Galvanized, Spiral 90 Degree Elbows (23 31 13 16-0074)

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0088 EA 4" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	57.13	12.59
For 3" WG (Class B), Add	7.29	
For 4" Or 6" WG (Class A), Add	19.45	
For 24 Gauge, Add	1.70	
For 22 Gauge, Add	3.91	
For 20 Gauge, Add	6.38	
For 18 Gauge, Add	9.79	
For 16 Gauge, Add	11.91	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.30	
For Work In Restricted Working Space, Add	14.59	
23 31 13 16-0089 EA 6" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	84.05	17.99
For 3" WG (Class B), Add	10.80	
For 4" Or 6" WG (Class A), Add	28.79	
For 24 Gauge, Add	2.42	
For 22 Gauge, Add	5.56	
For 20 Gauge, Add	9.06	
For 18 Gauge, Add	13.89	
For 16 Gauge, Add	16.91	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.94	
For Work In Restricted Working Space, Add	21.59	
23 31 13 16-0090 EA 8" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	117.74	23.39
For 3" WG (Class B), Add	14.21	
For 4" Or 6" WG (Class A), Add	37.88	
For 24 Gauge, Add	4.61	
For 22 Gauge, Add	10.60	
For 20 Gauge, Add	17.28	
For 18 Gauge, Add	26.50	
For 16 Gauge, Add	32.26	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	17.05	
For Work In Restricted Working Space, Add	28.41	
23 31 13 16-0091 EA 10" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	147.08	29.69
For 3" WG (Class B), Add	17.99	
For 4" Or 6" WG (Class A), Add	47.98	
For 24 Gauge, Add	5.43	
For 22 Gauge, Add	12.48	
For 20 Gauge, Add	20.35	
For 18 Gauge, Add	31.20	
For 16 Gauge, Add	37.98	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.08	
For Work In Restricted Working Space, Add	35.99	
23 31 13 16-0092 EA 12" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	181.80	37.79
For 3" WG (Class B), Add	22.49	
For 4" Or 6" WG (Class A), Add	59.98	
For 24 Gauge, Add	6.37	
For 22 Gauge, Add	14.66	
For 20 Gauge, Add	23.90	
For 18 Gauge, Add	36.64	
For 16 Gauge, Add	44.60	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.58	
For Work In Restricted Working Space, Add	44.98	
23 31 13 16-0093 EA 14" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	199.03	41.38
For 3" WG (Class B), Add	24.54	
For 4" Or 6" WG (Class A), Add	65.43	
For 24 Gauge, Add	7.09	
For 22 Gauge, Add	16.31	
For 20 Gauge, Add	26.60	
For 18 Gauge, Add	40.78	
For 16 Gauge, Add	49.64	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.24	
For Work In Restricted Working Space, Add	49.07	
23 31 13 16-0094 EA 16" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	234.97	48.58
For 3" WG (Class B), Add	29.02	
For 4" Or 6" WG (Class A), Add	77.39	
For 24 Gauge, Add	8.30	
For 22 Gauge, Add	19.09	
For 20 Gauge, Add	31.13	
For 18 Gauge, Add	47.73	
For 16 Gauge, Add	58.10	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	30.71	
For Work In Restricted Working Space, Add	58.04	
23 31 13 16-0095 EA 18" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	287.66	60.28
For 3" WG (Class B), Add	35.99	
For 4" Or 6" WG (Class A), Add	95.96	
For 24 Gauge, Add	9.55	
For 22 Gauge, Add	21.97	
For 20 Gauge, Add	35.82	
For 18 Gauge, Add	54.92	
For 16 Gauge, Add	66.86	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	35.34	
For Work In Restricted Working Space, Add	71.97	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
HVAC Ducts and Casings			23 31

23

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
23 31 13 16-0096	EA	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	346.57		72.87
		For 3" WG (Class B), Add	43.53		
		For 4" Or 6" WG (Class A), Add	116.08		
		For 24 Gauge, Add	11.27		
		For 22 Gauge, Add	25.93		
		For 20 Gauge, Add	42.28		
		For 18 Gauge, Add	64.83		
		For 16 Gauge, Add	78.92		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	41.71		
		For Work In Restricted Working Space, Add	87.06		
23 31 13 16-0097	EA	22" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	403.46		84.57
		For 3" WG (Class B), Add	50.92		
		For 4" Or 6" WG (Class A), Add	135.79		
		For 24 Gauge, Add	12.80		
		For 22 Gauge, Add	29.43		
		For 20 Gauge, Add	47.99		
		For 18 Gauge, Add	73.58		
		For 16 Gauge, Add	89.57		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	47.35		
		For Work In Restricted Working Space, Add	101.84		
23 31 13 16-0098	EA	24" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	461.78		96.26
		For 3" WG (Class B), Add	57.42		
		For 4" Or 6" WG (Class A), Add	153.13		
		For 24 Gauge, Add	15.79		
		For 22 Gauge, Add	36.32		
		For 20 Gauge, Add	59.22		
		For 18 Gauge, Add	90.80		
		For 16 Gauge, Add	110.54		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	58.43		
		For Work In Restricted Working Space, Add	114.85		
23 31 13 16-0099 Slip Joint, Galvanized, Spiral Duct 45 Degree Elbows (23 31 13 16-0074)					
23 31 13 16-0100	EA	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	57.53		12.59
		For 3" WG (Class B), Add	7.29		
		For 4" Or 6" WG (Class A), Add	19.45		
		For 24 Gauge, Add	1.78		
		For 22 Gauge, Add	4.10		
		For 20 Gauge, Add	6.68		
		For 18 Gauge, Add	10.25		
		For 16 Gauge, Add	12.47		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.59		
		For Work In Restricted Working Space, Add	14.59		
23 31 13 16-0101	EA	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	81.98		17.99
		For 3" WG (Class B), Add	10.80		
		For 4" Or 6" WG (Class A), Add	28.79		
		For 24 Gauge, Add	2.00		
		For 22 Gauge, Add	4.60		
		For 20 Gauge, Add	7.51		
		For 18 Gauge, Add	11.51		
		For 16 Gauge, Add	14.01		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.41		
		For Work In Restricted Working Space, Add	21.59		
23 31 13 16-0102	EA	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	108.12		23.39
		For 3" WG (Class B), Add	14.21		
		For 4" Or 6" WG (Class A), Add	37.88		
		For 24 Gauge, Add	2.68		
		For 22 Gauge, Add	6.17		
		For 20 Gauge, Add	10.07		
		For 18 Gauge, Add	15.43		
		For 16 Gauge, Add	18.79		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.93		
		For Work In Restricted Working Space, Add	28.41		
23 31 13 16-0103	EA	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	136.73		29.69
		For 3" WG (Class B), Add	17.99		
		For 4" Or 6" WG (Class A), Add	47.98		
		For 24 Gauge, Add	3.36		
		For 22 Gauge, Add	7.72		
		For 20 Gauge, Add	12.59		
		For 18 Gauge, Add	19.30		
		For 16 Gauge, Add	23.49		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	12.42		
		For Work In Restricted Working Space, Add	35.99		
23 31 13 16-0104	EA	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	169.44		37.79
		For 3" WG (Class B), Add	22.49		
		For 4" Or 6" WG (Class A), Add	59.98		
		For 24 Gauge, Add	3.90		
		For 22 Gauge, Add	8.97		
		For 20 Gauge, Add	14.63		
		For 18 Gauge, Add	22.43		
		For 16 Gauge, Add	27.30		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.43		
		For Work In Restricted Working Space, Add	44.98		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0105	EA		14" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....185.25		41.38
			For 3" WG (Class B), Add	24.54	
			For 4" Or 6" WG (Class A), Add	65.43	
			For 24 Gauge, Add	4.34	
			For 22 Gauge, Add	9.97	
			For 20 Gauge, Add	16.26	
			For 18 Gauge, Add	24.93	
			For 16 Gauge, Add	30.35	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.04	
			For Work In Restricted Working Space, Add	49.07	
23 31 13 16-0106	EA		16" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....229.00		48.58
			For 3" WG (Class B), Add	29.02	
			For 4" Or 6" WG (Class A), Add	77.39	
			For 24 Gauge, Add	7.11	
			For 22 Gauge, Add	16.34	
			For 20 Gauge, Add	26.65	
			For 18 Gauge, Add	40.86	
			For 16 Gauge, Add	49.74	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.29	
			For Work In Restricted Working Space, Add	58.04	
23 31 13 16-0107	EA		18" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....283.43		60.28
			For 3" WG (Class B), Add	35.99	
			For 4" Or 6" WG (Class A), Add	95.96	
			For 24 Gauge, Add	8.71	
			For 22 Gauge, Add	20.02	
			For 20 Gauge, Add	32.65	
			For 18 Gauge, Add	50.06	
			For 16 Gauge, Add	60.94	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	32.21	
			For Work In Restricted Working Space, Add	71.97	
23 31 13 16-0108	EA		20" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....345.28		72.87
			For 3" WG (Class B), Add	43.53	
			For 4" Or 6" WG (Class A), Add	116.08	
			For 24 Gauge, Add	11.02	
			For 22 Gauge, Add	25.34	
			For 20 Gauge, Add	41.31	
			For 18 Gauge, Add	63.34	
			For 16 Gauge, Add	77.11	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	40.76	
			For Work In Restricted Working Space, Add	87.06	
23 31 13 16-0109	EA		22" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....388.78		84.57
			For 3" WG (Class B), Add	50.92	
			For 4" Or 6" WG (Class A), Add	135.79	
			For 24 Gauge, Add	9.86	
			For 22 Gauge, Add	22.68	
			For 20 Gauge, Add	36.98	
			For 18 Gauge, Add	56.70	
			For 16 Gauge, Add	69.02	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	36.48	
			For Work In Restricted Working Space, Add	101.84	
23 31 13 16-0110	EA		24" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....456.55		96.26
			For 3" WG (Class B), Add	57.42	
			For 4" Or 6" WG (Class A), Add	153.13	
			For 24 Gauge, Add	14.75	
			For 22 Gauge, Add	33.92	
			For 20 Gauge, Add	55.30	
			For 18 Gauge, Add	84.79	
			For 16 Gauge, Add	103.22	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	54.56	
			For Work In Restricted Working Space, Add	114.85	
23 31 13 16-0111			Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Laterals (23 31 13 16-0074)		
23 31 13 16-0112	EA		6" x 6" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral .....113.85		23.39
			For 3" WG (Class B), Add	14.21	
			For 4" Or 6" WG (Class A), Add	37.88	
			For 24 Gauge, Add	3.83	
			For 22 Gauge, Add	8.81	
			For 20 Gauge, Add	14.36	
			For 18 Gauge, Add	22.02	
			For 16 Gauge, Add	26.81	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.17	
			For Work In Restricted Working Space, Add	28.41	
23 31 13 16-0113	EA		8" x 8" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral .....170.02		37.79
			For 3" WG (Class B), Add	22.49	
			For 4" Or 6" WG (Class A), Add	59.98	
			For 24 Gauge, Add	4.02	
			For 22 Gauge, Add	9.24	
			For 20 Gauge, Add	15.06	
			For 18 Gauge, Add	23.09	
			For 16 Gauge, Add	28.11	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.86	
			For Work In Restricted Working Space, Add	44.98	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Air Distribution			23 30	
HVAC Ducts and Casings			23 31	

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST		UNIT COST
23 31 13 16-0114	EA	10" x 10" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing			
		Lateral.....	215.51		48.58
		For 3" WG (Class B), Add	29.02		
		For 4" Or 6" WG (Class A), Add	77.39		
		For 24 Gauge, Add	4.41		
		For 22 Gauge, Add	10.14		
		For 20 Gauge, Add	16.53		
		For 18 Gauge, Add	25.35		
		For 16 Gauge, Add	30.86		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.31		
		For Work In Restricted Working Space, Add	58.04		
23 31 13 16-0115	EA	12" x 12" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing			
		Lateral.....	262.93		60.28
		For 3" WG (Class B), Add	35.99		
		For 4" Or 6" WG (Class A), Add	95.96		
		For 24 Gauge, Add	4.61		
		For 22 Gauge, Add	10.59		
		For 20 Gauge, Add	17.27		
		For 18 Gauge, Add	26.48		
		For 16 Gauge, Add	32.24		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	17.04		
		For Work In Restricted Working Space, Add	71.97		
23 31 13 16-0116	EA	14" x 14" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing			
		Lateral.....	313.98		72.87
		For 3" WG (Class B), Add	43.53		
		For 4" Or 6" WG (Class A), Add	116.08		
		For 24 Gauge, Add	4.76		
		For 22 Gauge, Add	10.94		
		For 20 Gauge, Add	17.84		
		For 18 Gauge, Add	27.35		
		For 16 Gauge, Add	33.29		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	17.60		
		For Work In Restricted Working Space, Add	87.06		
23 31 13 16-0117	EA	16" x 16" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing			
		Lateral.....	365.34		84.57
		For 3" WG (Class B), Add	50.92		
		For 4" Or 6" WG (Class A), Add	135.79		
		For 24 Gauge, Add	5.17		
		For 22 Gauge, Add	11.90		
		For 20 Gauge, Add	19.40		
		For 18 Gauge, Add	29.74		
		For 16 Gauge, Add	36.20		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.14		
		For Work In Restricted Working Space, Add	101.84		
23 31 13 16-0118	EA	18" x 18" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing			
		Lateral.....	409.73		96.26
		For 3" WG (Class B), Add	57.42		
		For 4" Or 6" WG (Class A), Add	153.13		
		For 24 Gauge, Add	5.38		
		For 22 Gauge, Add	12.38		
		For 20 Gauge, Add	20.18		
		For 18 Gauge, Add	30.95		
		For 16 Gauge, Add	37.67		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.91		
		For Work In Restricted Working Space, Add	114.85		
23 31 13 16-0119	EA	20" x 20" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing			
		Lateral.....	466.73		109.75
		For 3" WG (Class B), Add	65.83		
		For 4" Or 6" WG (Class A), Add	175.54		
		For 24 Gauge, Add	5.58		
		For 22 Gauge, Add	12.83		
		For 20 Gauge, Add	20.92		
		For 18 Gauge, Add	32.07		
		For 16 Gauge, Add	39.05		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.64		
		For Work In Restricted Working Space, Add	131.65		
23 31 13 16-0120	EA	22" x 22" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing			
		Lateral.....	519.84		121.46
		For 3" WG (Class B), Add	72.94		
		For 4" Or 6" WG (Class A), Add	194.51		
		For 24 Gauge, Add	6.71		
		For 22 Gauge, Add	15.44		
		For 20 Gauge, Add	25.17		
		For 18 Gauge, Add	38.59		
		For 16 Gauge, Add	46.98		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	24.83		
		For Work In Restricted Working Space, Add	145.88		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR				TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST	UNIT COST
23 31 13 16-0121	EA	24" x 24" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....		563.86		132.24
		For 3" WG (Class B), Add		79.38		
		For 4" Or 6" WG (Class A), Add		211.68		
		For 24 Gauge, Add		6.93		
		For 22 Gauge, Add		15.94		
		For 20 Gauge, Add		26.00		
		For 18 Gauge, Add		39.86		
		For 16 Gauge, Add		48.52		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add		25.65		
		For Work In Restricted Working Space, Add		158.76		
23 31 13 16-0122	EA	8" x 8" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....		179.97		40.75
		For 3" WG (Class B), Add		24.47		
		For 4" Or 6" WG (Class A), Add		65.24		
		For 24 Gauge, Add		3.37		
		For 22 Gauge, Add		7.76		
		For 20 Gauge, Add		12.65		
		For 18 Gauge, Add		19.40		
		For 16 Gauge, Add		23.62		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add		12.48		
		For Work In Restricted Working Space, Add		48.93		
23 31 13 16-0123	EA	10" x 10" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....		217.38		49.03
		For 3" WG (Class B), Add		29.41		
		For 4" Or 6" WG (Class A), Add		78.43		
		For 24 Gauge, Add		4.26		
		For 22 Gauge, Add		9.80		
		For 20 Gauge, Add		15.98		
		For 18 Gauge, Add		24.50		
		For 16 Gauge, Add		29.82		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add		15.76		
		For Work In Restricted Working Space, Add		58.82		
23 31 13 16-0124	EA	12" x 12" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....		264.10		59.55
		For 3" WG (Class B), Add		35.74		
		For 4" Or 6" WG (Class A), Add		95.30		
		For 24 Gauge, Add		5.17		
		For 22 Gauge, Add		11.89		
		For 20 Gauge, Add		19.39		
		For 18 Gauge, Add		29.73		
		For 16 Gauge, Add		36.19		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add		19.13		
		For Work In Restricted Working Space, Add		71.48		
23 31 13 16-0125	EA	14" x 14" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....		314.40		70.80
		For 3" WG (Class B), Add		42.54		
		For 4" Or 6" WG (Class A), Add		113.44		
		For 24 Gauge, Add		6.16		
		For 22 Gauge, Add		14.16		
		For 20 Gauge, Add		23.09		
		For 18 Gauge, Add		35.41		
		For 16 Gauge, Add		43.11		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add		22.78		
		For Work In Restricted Working Space, Add		85.08		
23 31 13 16-0126	EA	16" x 16" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....		399.62		91.04
		For 3" WG (Class B), Add		54.59		
		For 4" Or 6" WG (Class A), Add		145.57		
		For 24 Gauge, Add		7.14		
		For 22 Gauge, Add		16.42		
		For 20 Gauge, Add		26.77		
		For 18 Gauge, Add		41.04		
		For 16 Gauge, Add		49.97		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add		26.41		
		For Work In Restricted Working Space, Add		109.18		
23 31 13 16-0127	EA	18" x 18" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....		443.78		101.03
		For 3" WG (Class B), Add		60.57		
		For 4" Or 6" WG (Class A), Add		161.52		
		For 24 Gauge, Add		8.00		
		For 22 Gauge, Add		18.40		
		For 20 Gauge, Add		29.99		
		For 18 Gauge, Add		45.99		
		For 16 Gauge, Add		55.99		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add		29.59		
		For Work In Restricted Working Space, Add		121.14		

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Air Distribution

23 30

HVAC Ducts and Casings

23 31

23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0128	EA		20" x 20" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	504.51	114.98
			For 3" WG (Class B), Add	68.85	
			For 4" Or 6" WG (Class A), Add	183.60	
			For 24 Gauge, Add	9.10	
			For 22 Gauge, Add	20.94	
			For 20 Gauge, Add	34.14	
			For 18 Gauge, Add	52.35	
			For 16 Gauge, Add	63.73	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	33.68	
			For Work In Restricted Working Space, Add	137.70	
23 31 13 16-0129	EA		22" x 22" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	540.73	122.62
			For 3" WG (Class B), Add	73.50	
			For 4" Or 6" WG (Class A), Add	196.00	
			For 24 Gauge, Add	10.15	
			For 22 Gauge, Add	23.34	
			For 20 Gauge, Add	38.05	
			For 18 Gauge, Add	58.34	
			For 16 Gauge, Add	71.02	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	37.54	
			For Work In Restricted Working Space, Add	147.00	
23 31 13 16-0130	EA		24" x 24" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	586.67	132.97
			For 3" WG (Class B), Add	79.76	
			For 4" Or 6" WG (Class A), Add	212.68	
			For 24 Gauge, Add	10.99	
			For 22 Gauge, Add	25.29	
			For 20 Gauge, Add	41.23	
			For 18 Gauge, Add	63.22	
			For 16 Gauge, Add	76.96	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	40.68	
			For Work In Restricted Working Space, Add	159.51	
23 31 13 16-0131	EA		10" x 10" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	238.07	53.98
			For 3" WG (Class B), Add	32.35	
			For 4" Or 6" WG (Class A), Add	86.26	
			For 24 Gauge, Add	4.49	
			For 22 Gauge, Add	10.32	
			For 20 Gauge, Add	16.82	
			For 18 Gauge, Add	25.79	
			For 16 Gauge, Add	31.40	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.60	
			For Work In Restricted Working Space, Add	64.69	
23 31 13 16-0132	EA		12" x 12" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	289.33	65.68
			For 3" WG (Class B), Add	39.32	
			For 4" Or 6" WG (Class A), Add	104.85	
			For 24 Gauge, Add	5.44	
			For 22 Gauge, Add	12.51	
			For 20 Gauge, Add	20.40	
			For 18 Gauge, Add	31.28	
			For 16 Gauge, Add	38.08	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.13	
			For Work In Restricted Working Space, Add	78.64	
23 31 13 16-0133	EA		14" x 14" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	344.36	77.82
			For 3" WG (Class B), Add	46.79	
			For 4" Or 6" WG (Class A), Add	124.78	
			For 24 Gauge, Add	6.48	
			For 22 Gauge, Add	14.91	
			For 20 Gauge, Add	24.32	
			For 18 Gauge, Add	37.28	
			For 16 Gauge, Add	45.39	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.99	
			For Work In Restricted Working Space, Add	93.58	
23 31 13 16-0134	EA		16" x 16" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	399.74	90.68
			For 3" WG (Class B), Add	54.33	
			For 4" Or 6" WG (Class A), Add	144.87	
			For 24 Gauge, Add	7.51	
			For 22 Gauge, Add	17.28	
			For 20 Gauge, Add	28.18	
			For 18 Gauge, Add	43.21	
			For 16 Gauge, Add	52.60	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	27.80	
			For Work In Restricted Working Space, Add	108.65	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR				TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST	UNIT COST
23 31 13 16-0135	EA	18" x 18" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	447.33		101.39	
		For 3" WG (Class B), Add	60.79			
		For 4" Or 6" WG (Class A), Add	162.10			
		For 24 Gauge, Add	8.42			
		For 22 Gauge, Add	19.36			
		For 20 Gauge, Add	31.57			
		For 18 Gauge, Add	48.40			
		For 16 Gauge, Add	58.93			
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	31.15			
		For Work In Restricted Working Space, Add	121.57			
23 31 13 16-0136	EA	20" x 20" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	508.79		115.33	
		For 3" WG (Class B), Add	69.13			
		For 4" Or 6" WG (Class A), Add	184.35			
		For 24 Gauge, Add	9.58			
		For 22 Gauge, Add	22.04			
		For 20 Gauge, Add	35.93			
		For 18 Gauge, Add	55.10			
		For 16 Gauge, Add	67.07			
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	35.45			
		For Work In Restricted Working Space, Add	138.26			
23 31 13 16-0137	EA	22" x 22" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	568.07		128.65	
		For 3" WG (Class B), Add	77.20			
		For 4" Or 6" WG (Class A), Add	205.87			
		For 24 Gauge, Add	10.68			
		For 22 Gauge, Add	24.56			
		For 20 Gauge, Add	40.05			
		For 18 Gauge, Add	61.41			
		For 16 Gauge, Add	74.76			
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	39.52			
		For Work In Restricted Working Space, Add	154.40			
23 31 13 16-0138	EA	24" x 24" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	615.95		139.63	
		For 3" WG (Class B), Add	83.71			
		For 4" Or 6" WG (Class A), Add	223.24			
		For 24 Gauge, Add	11.57			
		For 22 Gauge, Add	26.62			
		For 20 Gauge, Add	43.40			
		For 18 Gauge, Add	66.54			
		For 16 Gauge, Add	81.00			
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	42.82			
		For Work In Restricted Working Space, Add	167.43			
23 31 13 16-0139		Slip Joint, Galvanized, Spiral Duct Reducers (23 31 13 16-0074)				
23 31 13 16-0140	EA	6" x 4", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	78.86		17.99	
		For 3" WG (Class B), Add	10.80			
		For 4" Or 6" WG (Class A), Add	28.79			
		For 24 Gauge, Add	1.38			
		For 22 Gauge, Add	3.17			
		For 20 Gauge, Add	5.17			
		For 18 Gauge, Add	7.92			
		For 16 Gauge, Add	9.65			
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.10			
		For Work In Restricted Working Space, Add	21.59			
23 31 13 16-0141	EA	8" x 6", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	102.28		23.39	
		For 3" WG (Class B), Add	14.21			
		For 4" Or 6" WG (Class A), Add	37.88			
		For 24 Gauge, Add	1.52			
		For 22 Gauge, Add	3.49			
		For 20 Gauge, Add	5.69			
		For 18 Gauge, Add	8.72			
		For 16 Gauge, Add	10.61			
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.61			
		For Work In Restricted Working Space, Add	28.41			
23 31 13 16-0142	EA	10" x 8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	128.34		29.69	
		For 3" WG (Class B), Add	17.99			
		For 4" Or 6" WG (Class A), Add	47.98			
		For 24 Gauge, Add	1.68			
		For 22 Gauge, Add	3.86			
		For 20 Gauge, Add	6.29			
		For 18 Gauge, Add	9.65			
		For 16 Gauge, Add	11.75			
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.21			
		For Work In Restricted Working Space, Add	35.99			
23 31 13 16-0143	EA	12" x 10", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	159.14		37.79	
		For 3" WG (Class B), Add	22.49			
		For 4" Or 6" WG (Class A), Add	59.98			
		For 24 Gauge, Add	1.84			
		For 22 Gauge, Add	4.23			
		For 20 Gauge, Add	6.90			
		For 18 Gauge, Add	10.58			
		For 16 Gauge, Add	12.88			
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.81			
		For Work In Restricted Working Space, Add	44.98			



Heating, Ventilating, and Air-Conditioning (HVAC)		23	23
HVAC Air Distribution		23 30	
HVAC Ducts and Casings		23 31	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT	COST	
23 31 13 16-0144	EA 14" x 12", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	173.81		41.38
	For 3" WG (Class B), Add	24.54		
	For 4" Or 6" WG (Class A), Add	65.43		
	For 24 Gauge, Add	2.05		
	For 22 Gauge, Add	4.71		
	For 20 Gauge, Add	7.68		
	For 18 Gauge, Add	11.78		
	For 16 Gauge, Add	14.34		
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.58		
	For Work In Restricted Working Space, Add	49.07		
23 31 13 16-0145	EA 16" x 14", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	211.18		48.58
	For 3" WG (Class B), Add	29.02		
	For 4" Or 6" WG (Class A), Add	77.39		
	For 24 Gauge, Add	3.54		
	For 22 Gauge, Add	8.15		
	For 20 Gauge, Add	13.28		
	For 18 Gauge, Add	20.37		
	For 16 Gauge, Add	24.79		
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	13.11		
	For Work In Restricted Working Space, Add	58.04		
23 31 13 16-0146	EA 18" x 16", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	258.82		60.28
	For 3" WG (Class B), Add	35.99		
	For 4" Or 6" WG (Class A), Add	95.96		
	For 24 Gauge, Add	3.78		
	For 22 Gauge, Add	8.70		
	For 20 Gauge, Add	14.19		
	For 18 Gauge, Add	21.76		
	For 16 Gauge, Add	26.49		
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.00		
	For Work In Restricted Working Space, Add	71.97		
23 31 13 16-0147	EA 20" x 18", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	310.39		72.87
	For 3" WG (Class B), Add	43.53		
	For 4" Or 6" WG (Class A), Add	116.08		
	For 24 Gauge, Add	4.04		
	For 22 Gauge, Add	9.29		
	For 20 Gauge, Add	15.14		
	For 18 Gauge, Add	23.22		
	For 16 Gauge, Add	28.27		
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.94		
	For Work In Restricted Working Space, Add	87.06		
23 31 13 16-0148	EA 22" x 20", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	360.95		84.57
	For 3" WG (Class B), Add	50.92		
	For 4" Or 6" WG (Class A), Add	135.79		
	For 24 Gauge, Add	4.29		
	For 22 Gauge, Add	9.88		
	For 20 Gauge, Add	16.10		
	For 18 Gauge, Add	24.69		
	For 16 Gauge, Add	30.06		
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	15.89		
	For Work In Restricted Working Space, Add	101.84		
23 31 13 16-0149	EA 24" x 22", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	405.44		96.26
	For 3" WG (Class B), Add	57.42		
	For 4" Or 6" WG (Class A), Add	153.13		
	For 24 Gauge, Add	4.52		
	For 22 Gauge, Add	10.41		
	For 20 Gauge, Add	16.97		
	For 18 Gauge, Add	26.01		
	For 16 Gauge, Add	31.67		
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.74		
	For Work In Restricted Working Space, Add	114.85		
23 31 13 16-0150	Slip Joint, Galvanized, Spiral Duct Couplings (23 31 13 16-0074)			
23 31 13 16-0151	EA 4", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	51.88		12.59
	For 3" WG (Class B), Add	7.29		
	For 4" Or 6" WG (Class A), Add	19.45		
	For 24 Gauge, Add	0.65		
	For 22 Gauge, Add	1.50		
	For 20 Gauge, Add	2.45		
	For 18 Gauge, Add	3.75		
	For 16 Gauge, Add	4.56		
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.41		
	For Work In Restricted Working Space, Add	14.59		
23 31 13 16-0152	EA 6", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	75.67		17.99
	For 3" WG (Class B), Add	10.80		
	For 4" Or 6" WG (Class A), Add	28.79		
	For 24 Gauge, Add	0.74		
	For 22 Gauge, Add	1.70		
	For 20 Gauge, Add	2.78		
	For 18 Gauge, Add	4.26		
	For 16 Gauge, Add	5.18		
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.74		
	For Work In Restricted Working Space, Add	21.59		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0153	EA		8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	98.69	23.39
			For 3" WG (Class B), Add	14.21	
			For 4" Or 6" WG (Class A), Add	37.88	
			For 24 Gauge, Add	0.80	
			For 22 Gauge, Add	1.84	
			For 20 Gauge, Add	2.99	
			For 18 Gauge, Add	4.59	
			For 16 Gauge, Add	5.59	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.95	
			For Work In Restricted Working Space, Add	28.41	
23 31 13 16-0154	EA		10", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	124.23	29.69
			For 3" WG (Class B), Add	17.99	
			For 4" Or 6" WG (Class A), Add	47.98	
			For 24 Gauge, Add	0.86	
			For 22 Gauge, Add	1.97	
			For 20 Gauge, Add	3.21	
			For 18 Gauge, Add	4.92	
			For 16 Gauge, Add	5.99	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.17	
			For Work In Restricted Working Space, Add	35.99	
23 31 13 16-0155	EA		12", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	154.51	37.79
			For 3" WG (Class B), Add	22.49	
			For 4" Or 6" WG (Class A), Add	59.98	
			For 24 Gauge, Add	0.91	
			For 22 Gauge, Add	2.10	
			For 20 Gauge, Add	3.43	
			For 18 Gauge, Add	5.26	
			For 16 Gauge, Add	6.40	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.38	
			For Work In Restricted Working Space, Add	44.98	
23 31 13 16-0156	EA		14", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	168.43	41.38
			For 3" WG (Class B), Add	24.54	
			For 4" Or 6" WG (Class A), Add	65.43	
			For 24 Gauge, Add	0.97	
			For 22 Gauge, Add	2.24	
			For 20 Gauge, Add	3.65	
			For 18 Gauge, Add	5.59	
			For 16 Gauge, Add	6.80	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.60	
			For Work In Restricted Working Space, Add	49.07	
23 31 13 16-0157	EA		16", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	198.85	48.58
			For 3" WG (Class B), Add	29.02	
			For 4" Or 6" WG (Class A), Add	77.39	
			For 24 Gauge, Add	1.08	
			For 22 Gauge, Add	2.47	
			For 20 Gauge, Add	4.04	
			For 18 Gauge, Add	6.19	
			For 16 Gauge, Add	7.53	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.98	
			For Work In Restricted Working Space, Add	58.04	
23 31 13 16-0158	EA		18", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	245.57	60.28
			For 3" WG (Class B), Add	35.99	
			For 4" Or 6" WG (Class A), Add	95.96	
			For 24 Gauge, Add	1.13	
			For 22 Gauge, Add	2.61	
			For 20 Gauge, Add	4.25	
			For 18 Gauge, Add	6.52	
			For 16 Gauge, Add	7.94	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.20	
			For Work In Restricted Working Space, Add	71.97	
23 31 13 16-0159	EA		20", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	296.22	72.87
			For 3" WG (Class B), Add	43.53	
			For 4" Or 6" WG (Class A), Add	116.08	
			For 24 Gauge, Add	1.20	
			For 22 Gauge, Add	2.77	
			For 20 Gauge, Add	4.52	
			For 18 Gauge, Add	6.92	
			For 16 Gauge, Add	8.43	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.45	
			For Work In Restricted Working Space, Add	87.06	
23 31 13 16-0160	EA		22", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	345.73	170.03
			For 3" WG (Class B), Add	50.92	
			For 4" Or 6" WG (Class A), Add	135.79	
			For 24 Gauge, Add	1.25	
			For 22 Gauge, Add	2.88	
			For 20 Gauge, Add	4.69	
			For 18 Gauge, Add	7.19	
			For 16 Gauge, Add	8.75	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.63	
			For Work In Restricted Working Space, Add	101.84	



Heating, Ventilating, and Air-Conditioning (HVAC)		23	23
HVAC Air Distribution		23 30	
HVAC Ducts and Casings		23 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0161	EA		24", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	389.42	191.62
			For 3" WG (Class B), Add	57.42	
			For 4" Or 6" WG (Class A), Add	153.13	
			For 24 Gauge, Add	1.32	
			For 22 Gauge, Add	3.04	
			For 20 Gauge, Add	4.95	
			For 18 Gauge, Add	7.59	
			For 16 Gauge, Add	9.24	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.88	
			For Work In Restricted Working Space, Add	114.85	
23 31 13 16-0162			Slip Joint, Galvanized, Spiral Duct Caps (23 31 13 16-0074)		
23 31 13 16-0163	EA		4", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	28.14	12.59
			For 3" WG (Class B), Add	3.65	
			For 4" Or 6" WG (Class A), Add	9.73	
			For 24 Gauge, Add	0.76	
			For 22 Gauge, Add	1.76	
			For 20 Gauge, Add	2.87	
			For 18 Gauge, Add	4.39	
			For 16 Gauge, Add	5.35	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.83	
			For Work In Restricted Working Space, Add	7.30	
23 31 13 16-0164	EA		6", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	40.26	17.99
			For 3" WG (Class B), Add	5.40	
			For 4" Or 6" WG (Class A), Add	14.39	
			For 24 Gauge, Add	0.86	
			For 22 Gauge, Add	1.97	
			For 20 Gauge, Add	3.21	
			For 18 Gauge, Add	4.92	
			For 16 Gauge, Add	5.99	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.17	
			For Work In Restricted Working Space, Add	10.79	
23 31 13 16-0165	EA		8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	52.04	24.29
			For 3" WG (Class B), Add	7.10	
			For 4" Or 6" WG (Class A), Add	18.94	
			For 24 Gauge, Add	0.94	
			For 22 Gauge, Add	2.16	
			For 20 Gauge, Add	3.52	
			For 18 Gauge, Add	5.39	
			For 16 Gauge, Add	6.57	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.47	
			For Work In Restricted Working Space, Add	14.21	
23 31 13 16-0166	EA		10", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	65.19	30.58
			For 3" WG (Class B), Add	9.00	
			For 4" Or 6" WG (Class A), Add	23.99	
			For 24 Gauge, Add	1.04	
			For 22 Gauge, Add	2.40	
			For 20 Gauge, Add	3.91	
			For 18 Gauge, Add	5.99	
			For 16 Gauge, Add	7.29	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.86	
			For Work In Restricted Working Space, Add	17.99	
23 31 13 16-0167	EA		12", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	80.76	37.79
			For 3" WG (Class B), Add	11.25	
			For 4" Or 6" WG (Class A), Add	29.99	
			For 24 Gauge, Add	1.16	
			For 22 Gauge, Add	2.66	
			For 20 Gauge, Add	4.34	
			For 18 Gauge, Add	6.66	
			For 16 Gauge, Add	8.11	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.28	
			For Work In Restricted Working Space, Add	22.49	
23 31 13 16-0168	EA		14", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	88.14	41.38
			For 3" WG (Class B), Add	12.27	
			For 4" Or 6" WG (Class A), Add	32.71	
			For 24 Gauge, Add	1.27	
			For 22 Gauge, Add	2.93	
			For 20 Gauge, Add	4.77	
			For 18 Gauge, Add	7.31	
			For 16 Gauge, Add	8.90	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.71	
			For Work In Restricted Working Space, Add	24.53	
23 31 13 16-0169	EA		16", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	102.05	47.68
			For 3" WG (Class B), Add	14.21	
			For 4" Or 6" WG (Class A), Add	37.88	
			For 24 Gauge, Add	1.47	
			For 22 Gauge, Add	3.38	
			For 20 Gauge, Add	5.51	
			For 18 Gauge, Add	8.45	
			For 16 Gauge, Add	10.29	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.44	
			For Work In Restricted Working Space, Add	28.41	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0170	EA	18", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	.....	144.71	60.28
		For 3" WG (Class B), Add		17.99	
		For 4" Or 6" WG (Class A), Add		47.98	
		For 24 Gauge, Add		4.95	
		For 22 Gauge, Add		11.39	
		For 20 Gauge, Add		18.57	
		For 18 Gauge, Add		28.47	
		For 16 Gauge, Add		34.66	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add		18.32	
		For Work In Restricted Working Space, Add		35.99	
23 31 13 16-0171	EA	20", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	.....	176.79	74.67
		For 3" WG (Class B), Add		22.49	
		For 4" Or 6" WG (Class A), Add		59.98	
		For 24 Gauge, Add		5.37	
		For 22 Gauge, Add		12.35	
		For 20 Gauge, Add		20.14	
		For 18 Gauge, Add		30.88	
		For 16 Gauge, Add		37.59	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add		19.87	
		For Work In Restricted Working Space, Add		44.98	
23 31 13 16-0172	EA	22", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	.....	192.50	81.87
		For 3" WG (Class B), Add		24.54	
		For 4" Or 6" WG (Class A), Add		65.43	
		For 24 Gauge, Add		5.79	
		For 22 Gauge, Add		13.31	
		For 20 Gauge, Add		21.70	
		For 18 Gauge, Add		33.27	
		For 16 Gauge, Add		40.50	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add		21.41	
		For Work In Restricted Working Space, Add		49.07	
23 31 13 16-0173	EA	24", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	.....	222.48	95.36
		For 3" WG (Class B), Add		28.71	
		For 4" Or 6" WG (Class A), Add		76.56	
		For 24 Gauge, Add		6.21	
		For 22 Gauge, Add		14.29	
		For 20 Gauge, Add		23.30	
		For 18 Gauge, Add		35.73	
		For 16 Gauge, Add		43.50	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add		22.99	
		For Work In Restricted Working Space, Add		57.42	
23 31 13 19 Metal Duct Fittings (23 31 13)					
23 31 13 19-0001 Sheet Metal Baffles (23 31 13 19)					
23 31 13 19-0002	LF	Sheet Metal Baffles Under Raised Floor	.....	34.83	28.09
		For Work In Restricted Working Space, Add		10.27	
		For Elevated Installation >10' To 15', Add		3.42	
		For Elevated Installation >15' To 20', Add		6.85	
		For Elevated Installation >20' To 25', Add		8.56	
		For Elevated Installation >25' To 30', Add		11.98	
		For Elevated Installation >30' To 35', Add		13.70	
		For Elevated Installation >35' To 40', Add		17.12	
		For Elevated Installation >40', Add		18.83	
23 31 13 19-0003 Duct Register Boots (23 31 13 19)					
23 31 13 19-0004	EA	10" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	.....	30.08	12.17
		For Stainless Steel, Add		7.44	
23 31 13 19-0005	EA	10" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	.....	30.08	12.17
		For Stainless Steel, Add		7.44	
23 31 13 19-0006	EA	12" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	.....	32.14	13.15
		For Stainless Steel, Add		7.59	
23 31 13 19-0007	EA	12" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	.....	32.14	13.15
		For Stainless Steel, Add		7.59	
23 31 13 19-0008	EA	12" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel	.....	33.55	13.15
		For Stainless Steel, Add		9.43	
23 31 13 19-0009	EA	14" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	.....	34.79	14.13
		For Stainless Steel, Add		8.50	
23 31 13 19-0010	EA	14" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	.....	34.79	14.13
		For Stainless Steel, Add		8.50	
23 31 13 19-0011	EA	14" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel	.....	35.67	14.13
		For Stainless Steel, Add		9.65	
23 31 13 19-0012	EA	10" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	.....	35.34	15.10
		For Stainless Steel, Add		6.68	
23 31 13 19-0013	EA	12" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	.....	37.45	16.08
		For Stainless Steel, Add		6.89	
23 31 13 19-0014	EA	12" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel	.....	41.04	16.08
		For Stainless Steel, Add		11.56	
23 31 13 19-0015	EA	14" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	.....	39.71	17.04
		For Stainless Steel, Add		7.29	
23 31 13 19-0016	EA	14" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel	.....	43.23	17.04
		For Stainless Steel, Add		11.87	
23 31 13 19-0017	EA	12" x 2-1/4" x 5" Register Boot, Center, Galvanized Steel	.....	31.29	13.15
		For Stainless Steel, Add		6.49	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Air Distribution

23 30

HVAC Ducts and Casings

23 31**23**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 19-0018	EA	12" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel	31.29	13.15
		For Stainless Steel, Add	6.49	
23 31 13 19-0019	EA	14" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel	33.81	14.13
		For Stainless Steel, Add	7.23	
23 31 13 19-0020	EA	14" x 2-1/4" x 7" Register Boot, Center, Galvanized Steel	34.65	14.13
		For Stainless Steel, Add	8.32	
23 31 13 19-0021	EA	10" x 4" x 6" Register Boot, Center, Galvanized Steel	35.46	15.10
		For Stainless Steel, Add	6.84	
23 31 13 19-0022	EA	12" x 4" x 6" Register Boot, Center, Galvanized Steel	37.55	16.08
		For Stainless Steel, Add	7.02	
23 31 13 19-0023	EA	12" x 2-1/4" x 6" Register Boot, End, Galvanized Steel	31.86	13.15
		For Stainless Steel, Add	7.23	
23 31 13 19-0024	EA	14" x 2-1/4" x 6" Register Boot, End, Galvanized Steel	34.16	14.13
		For Stainless Steel, Add	7.68	
23 31 13 19-0025	EA	10" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	30.08	12.17
		For Stainless Steel, Add	7.44	
23 31 13 19-0026	EA	12" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	32.14	13.15
		For Stainless Steel, Add	7.59	
23 31 13 19-0027	EA	14" x 2-1/4" x 5" Register Boot, Universal, Galvanized Steel	34.79	14.13
		For Stainless Steel, Add	8.50	
23 31 13 19-0028	EA	14" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	34.79	14.13
		For Stainless Steel, Add	8.50	
23 31 13 19-0029	EA	10" x 4" x 6" Register Boot, Universal, Galvanized Steel	35.34	15.10
		For Stainless Steel, Add	6.68	
23 31 13 19-0030	EA	12" x 4" x 6" Register Boot, Universal, Galvanized Steel	37.45	16.08
		For Stainless Steel, Add	6.89	
23 31 13 19-0031	EA	12" x 4" x 7" Register Boot, Universal, Galvanized Steel	41.04	16.08
		For Stainless Steel, Add	11.56	
23 31 13 19-0032	EA	14" x 4" x 7" Register Boot, Universal, Galvanized Steel	42.99	17.04
		For Stainless Steel, Add	11.56	
23 31 13 23		Galvanized Steel Welded Duct (23 31 13)		
		Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.		
23 31 13 23-0001		Welded Steel Ductwork (23 31 13 23)		
		Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.		
23 31 13 23-0002		Galvanized Steel Welded Duct, For Kitchen (23 31 13 23-0001)		
		Note: Also includes special exhaust systems and waste.		
23 31 13 23-0003	LB	Galvanized Steel Welded Duct	19.51	8.51
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.80	
		For Work In Restricted Working Space, Add	5.12	
		For Elevated Installation >10' To 15', Add	1.71	
		For Elevated Installation >15' To 20', Add	3.42	
		For Elevated Installation >20' To 25', Add	4.27	
		For Elevated Installation >25' To 30', Add	5.98	
		For Elevated Installation >30' To 35', Add	6.83	
		For Elevated Installation >35' To 40', Add	8.54	
		For Elevated Installation >40', Add	9.39	
23 31 13 23-0004		Black Steel Ductwork (23 31 13 23-0001)		
23 31 13 23-0005	LB	Black Steel Ductwork	18.10	8.78
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	0.40	
		For Work In Restricted Working Space, Add	5.27	
		For Elevated Installation >10' To 15', Add	1.76	
		For Elevated Installation >15' To 20', Add	3.51	
		For Elevated Installation >20' To 25', Add	4.39	
		For Elevated Installation >25' To 30', Add	6.15	
		For Elevated Installation >30' To 35', Add	7.02	
		For Elevated Installation >35' To 40', Add	8.78	
		For Elevated Installation >40', Add	9.66	
23 31 16		Nonmetal Ducts (23 31)		
23 31 16 13		Fibrous-Glass Ducts (23 31 16)		
23 31 16 13-0001		Glass Fiber Duct Board (23 31 16 13)		
		Note: Rigid, rectangular boards faced on one side with a fire-resistant foil-scrim-kraft (FSK) vapor retarder and a lightweight fiber glass mat on the airstream surface.		
23 31 16 13-0002	SF	1" Glass Fiber Duct Board (EI-475)	8.49	1.76
23 31 16 13-0003	SF	1-1/2" Glass Fiber Duct Board (EI-800)	9.92	1.93
23 31 16 13-0004	SF	2" Glass Fiber Duct Board (EI-800)	11.42	2.12
23 31 16 16		Thermoset Fiberglass-Reinforced Plastic Ducts (23 31 16)		
23 31 16 16-0001		Fiber Reinforced Round Plastic Duct (23 31 16 16)		
23 31 16 16-0002		Fiber Reinforced Round Plastic Duct (23 31 16 16-0001)		
23 31 16 16-0003	LF	2" Fiber Reinforced Plastic Duct	14.22	4.95
23 31 16 16-0004	LF	3" Fiber Reinforced Plastic Duct	17.71	5.79
23 31 16 16-0005	LF	4" Fiber Reinforced Plastic Duct	24.18	8.49

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 16 16-0006	LF	6" Fiber Reinforced Plastic Duct	31.91	10.73
23 31 16 16-0007	LF	8" Fiber Reinforced Plastic Duct	40.39	13.44
23 31 16 16-0008	LF	10" Fiber Reinforced Plastic Duct	48.69	16.15
23 31 16 16-0009	LF	12" Fiber Reinforced Plastic Duct	54.98	18.86
23 31 16 16-0010	LF	14" Fiber Reinforced Plastic Duct	62.52	20.63
23 31 16 16-0011	LF	16" Fiber Reinforced Plastic Duct	67.48	21.93
23 31 16 16-0012	LF	18" Fiber Reinforced Plastic Duct	83.23	24.65
23 31 16 16-0013	LF	20" Fiber Reinforced Plastic Duct	87.67	26.41
23 31 16 16-0014	LF	24" Fiber Reinforced Plastic Duct	107.01	28.19
23 31 16 16-0015	LF	30" Fiber Reinforced Plastic Duct	122.67	32.67
23 31 16 16-0016	LF	36" Fiber Reinforced Plastic Duct	142.03	39.39
23 31 16 16-0017	LF	42" Fiber Reinforced Plastic Duct	187.67	43.87
23 31 16 16-0018	LF	48" Fiber Reinforced Plastic Duct	210.26	49.28
23 31 16 16-0019	LF	54" Fiber Reinforced Plastic Duct	234.02	56.47
23 31 16 16-0020	LF	60" Fiber Reinforced Plastic Duct	266.05	65.90
23 31 16 16-0021	LF	66" Fiber Reinforced Plastic Duct	287.97	80.64
23 31 16 16-0022	LF	72" Fiber Reinforced Plastic Duct	351.45	98.56

23 31 16 16-0023 Fiber Reinforced Plastic Bell (23 31 16 16-0001)

23 31 16 16-0024	EA	2" Fiber Reinforced Plastic Bell	59.52	20.07
23 31 16 16-0025	EA	3" Fiber Reinforced Plastic Bell	71.83	23.80
23 31 16 16-0026	EA	4" Fiber Reinforced Plastic Bell	82.65	28.00
23 31 16 16-0027	EA	6" Fiber Reinforced Plastic Bell	108.59	37.33
23 31 16 16-0028	EA	8" Fiber Reinforced Plastic Bell	132.11	46.67
23 31 16 16-0029	EA	10" Fiber Reinforced Plastic Bell	153.20	56.01
23 31 16 16-0030	EA	12" Fiber Reinforced Plastic Bell	189.95	69.54
23 31 16 16-0031	EA	14" Fiber Reinforced Plastic Bell	203.20	74.67
23 31 16 16-0032	EA	16" Fiber Reinforced Plastic Bell	220.17	79.81
23 31 16 16-0033	EA	18" Fiber Reinforced Plastic Bell	237.17	85.87
23 31 16 16-0034	EA	20" Fiber Reinforced Plastic Bell	259.37	93.34
23 31 16 16-0035	EA	24" Fiber Reinforced Plastic Bell	302.26	102.67
23 31 16 16-0036	EA	30" Fiber Reinforced Plastic Bell	352.42	112.01
23 31 16 16-0037	EA	36" Fiber Reinforced Plastic Bell	399.83	126.00
23 31 16 16-0038	EA	42" Fiber Reinforced Plastic Bell	447.22	140.01
23 31 16 16-0039	EA	48" Fiber Reinforced Plastic Bell	494.58	154.01
23 31 16 16-0040	EA	54" Fiber Reinforced Plastic Bell	615.65	186.68
23 31 16 16-0041	EA	60" Fiber Reinforced Plastic Bell	733.22	233.35
23 31 16 16-0042	EA	66" Fiber Reinforced Plastic Bell	879.82	280.02
23 31 16 16-0043	EA	72" Fiber Reinforced Plastic Bell	1,007.93	317.35

23 31 16 16-0044 Fiber Reinforced Plastic Flange (23 31 16 16-0001)

23 31 16 16-0045	EA	2" Fiber Reinforced Plastic Flange	98.29	20.07
23 31 16 16-0046	EA	3" Fiber Reinforced Plastic Flange	113.02	23.80
23 31 16 16-0047	EA	4" Fiber Reinforced Plastic Flange	128.69	28.00
23 31 16 16-0048	EA	6" Fiber Reinforced Plastic Flange	166.74	37.33
23 31 16 16-0049	EA	8" Fiber Reinforced Plastic Flange	202.37	46.67
23 31 16 16-0050	EA	10" Fiber Reinforced Plastic Flange	238.01	56.01
23 31 16 16-0051	EA	12" Fiber Reinforced Plastic Flange	279.60	69.54
23 31 16 16-0052	EA	14" Fiber Reinforced Plastic Flange	312.23	74.67
23 31 16 16-0053	EA	16" Fiber Reinforced Plastic Flange	341.32	79.81
23 31 16 16-0054	EA	18" Fiber Reinforced Plastic Flange	363.17	85.87
23 31 16 16-0055	EA	20" Fiber Reinforced Plastic Flange	380.52	93.34
23 31 16 16-0056	EA	24" Fiber Reinforced Plastic Flange	447.64	102.67
23 31 16 16-0057	EA	30" Fiber Reinforced Plastic Flange	492.95	112.01
23 31 16 16-0058	EA	36" Fiber Reinforced Plastic Flange	610.63	126.00
23 31 16 16-0059	EA	42" Fiber Reinforced Plastic Flange	679.82	140.01
23 31 16 16-0060	EA	48" Fiber Reinforced Plastic Flange	773.22	154.01
23 31 16 16-0061	EA	54" Fiber Reinforced Plastic Flange	906.41	186.68
23 31 16 16-0062	EA	60" Fiber Reinforced Plastic Flange	1,079.70	233.35
23 31 16 16-0063	EA	66" Fiber Reinforced Plastic Flange	1,252.96	280.02
23 31 16 16-0064	EA	72" Fiber Reinforced Plastic Flange	1,434.37	317.35

23 31 16 16-0065 Fiber Reinforced Plastic 90 Degree Elbow (23 31 16 16-0001)

23 31 16 16-0066	EA	2" Fiber Reinforced Plastic 90 Degree Elbow	160.60	48.35
23 31 16 16-0067	EA	3" Fiber Reinforced Plastic 90 Degree Elbow	188.40	57.77
23 31 16 16-0068	EA	4" Fiber Reinforced Plastic 90 Degree Elbow	218.62	67.20
23 31 16 16-0069	EA	6" Fiber Reinforced Plastic 90 Degree Elbow	282.60	89.61
23 31 16 16-0070	EA	8" Fiber Reinforced Plastic 90 Degree Elbow	346.60	112.01
23 31 16 16-0071	EA	10" Fiber Reinforced Plastic 90 Degree Elbow	410.59	134.40
23 31 16 16-0072	EA	12" Fiber Reinforced Plastic 90 Degree Elbow	503.90	167.17
23 31 16 16-0073	EA	14" Fiber Reinforced Plastic 90 Degree Elbow	573.61	176.97
23 31 16 16-0074	EA	16" Fiber Reinforced Plastic 90 Degree Elbow	654.73	192.19
23 31 16 16-0075	EA	18" Fiber Reinforced Plastic 90 Degree Elbow	784.49	206.09
23 31 16 16-0076	EA	20" Fiber Reinforced Plastic 90 Degree Elbow	906.47	224.01
23 31 16 16-0077	EA	24" Fiber Reinforced Plastic 90 Degree Elbow	1,052.84	246.41
23 31 16 16-0078	EA	30" Fiber Reinforced Plastic 90 Degree Elbow	1,429.37	268.82
23 31 16 16-0079	EA	36" Fiber Reinforced Plastic 90 Degree Elbow	1,836.74	302.42
23 31 16 16-0080	EA	42" Fiber Reinforced Plastic 90 Degree Elbow	2,425.81	336.11

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Air Distribution

23 30

HVAC Ducts and Casings

23 31

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0081 EA 48" Fiber Reinforced Plastic 90 Degree Elbow	2,881.67	369.71
23 31 16 16-0082 EA 54" Fiber Reinforced Plastic 90 Degree Elbow	3,411.99	448.03
23 31 16 16-0083 EA 60" Fiber Reinforced Plastic 90 Degree Elbow	4,131.72	560.03
23 31 16 16-0084 EA 66" Fiber Reinforced Plastic 90 Degree Elbow	4,851.10	671.86
23 31 16 16-0085 EA 72" Fiber Reinforced Plastic 90 Degree Elbow	5,533.32	761.37
23 31 16 16-0086 Fiber Reinforced Plastic 45 Degree Elbow (23 31 16 16-0001)		
23 31 16 16-0087 EA 2" Fiber Reinforced Plastic 45 Degree Elbow	133.95	48.35
23 31 16 16-0088 EA 3" Fiber Reinforced Plastic 45 Degree Elbow	156.90	57.77
23 31 16 16-0089 EA 4" Fiber Reinforced Plastic 45 Degree Elbow	182.26	67.20
23 31 16 16-0090 EA 6" Fiber Reinforced Plastic 45 Degree Elbow	229.30	89.61
23 31 16 16-0091 EA 8" Fiber Reinforced Plastic 45 Degree Elbow	276.33	112.01
23 31 16 16-0092 EA 10" Fiber Reinforced Plastic 45 Degree Elbow	328.28	134.40
23 31 16 16-0093 EA 12" Fiber Reinforced Plastic 45 Degree Elbow	404.62	167.17
23 31 16 16-0094 EA 14" Fiber Reinforced Plastic 45 Degree Elbow	440.28	176.97
23 31 16 16-0095 EA 16" Fiber Reinforced Plastic 45 Degree Elbow	528.56	192.10
23 31 16 16-0096 EA 18" Fiber Reinforced Plastic 45 Degree Elbow	610.29	206.27
23 31 16 16-0097 EA 20" Fiber Reinforced Plastic 45 Degree Elbow	707.72	224.01
23 31 16 16-0098 EA 24" Fiber Reinforced Plastic 45 Degree Elbow	817.38	246.23
23 31 16 16-0099 EA 30" Fiber Reinforced Plastic 45 Degree Elbow	1,041.34	268.63
23 31 16 16-0100 EA 36" Fiber Reinforced Plastic 45 Degree Elbow	1,277.47	302.70
23 31 16 16-0101 EA 42" Fiber Reinforced Plastic 45 Degree Elbow	1,633.91	336.30
23 31 16 16-0102 EA 48" Fiber Reinforced Plastic 45 Degree Elbow	1,924.59	369.71
23 31 16 16-0103 EA 54" Fiber Reinforced Plastic 45 Degree Elbow	2,292.57	448.03
23 31 16 16-0104 EA 60" Fiber Reinforced Plastic 45 Degree Elbow	2,745.78	560.03
23 31 16 16-0105 EA 66" Fiber Reinforced Plastic 45 Degree Elbow	3,225.55	670.55
23 31 16 16-0106 EA 72" Fiber Reinforced Plastic 45 Degree Elbow	3,644.78	762.11
23 31 16 16-0107 Fiber Reinforced Plastic Tee (23 31 16 16-0001)		
23 31 16 16-0108 EA 2" Fiber Reinforced Plastic Tee	205.03	72.15
23 31 16 16-0109 EA 3" Fiber Reinforced Plastic Tee	241.77	86.90
23 31 16 16-0110 EA 4" Fiber Reinforced Plastic Tee	277.03	100.80
23 31 16 16-0111 EA 6" Fiber Reinforced Plastic Tee	357.28	134.40
23 31 16 16-0112 EA 8" Fiber Reinforced Plastic Tee	436.05	167.17
23 31 16 16-0113 EA 10" Fiber Reinforced Plastic Tee	519.22	202.54
23 31 16 16-0114 EA 12" Fiber Reinforced Plastic Tee	627.24	245.48
23 31 16 16-0115 EA 14" Fiber Reinforced Plastic Tee	685.08	265.64
23 31 16 16-0116 EA 16" Fiber Reinforced Plastic Tee	795.92	288.60
23 31 16 16-0117 EA 18" Fiber Reinforced Plastic Tee	902.91	309.13
23 31 16 16-0118 EA 20" Fiber Reinforced Plastic Tee	1,044.72	336.11
23 31 16 16-0119 EA 24" Fiber Reinforced Plastic Tee	1,197.70	369.71
23 31 16 16-0120 EA 30" Fiber Reinforced Plastic Tee	1,435.13	403.13
23 31 16 16-0121 EA 36" Fiber Reinforced Plastic Tee	1,725.58	453.81
23 31 16 16-0122 EA 42" Fiber Reinforced Plastic Tee	2,294.08	504.22
23 31 16 16-0123 EA 48" Fiber Reinforced Plastic Tee	2,741.75	554.72
23 31 16 16-0124 EA 54" Fiber Reinforced Plastic Tee	3,301.46	672.50
23 31 16 16-0125 EA 60" Fiber Reinforced Plastic Tee	3,944.77	840.43
23 31 16 16-0126 EA 66" Fiber Reinforced Plastic Tee	4,587.55	1,007.97
23 31 16 16-0127 EA 72" Fiber Reinforced Plastic Tee	5,175.90	1,142.94
23 31 16 16-0128 Fiber Reinforced Plastic Lateral Joint (23 31 16 16-0001)		
23 31 16 16-0129 EA 2" Fiber Reinforced Plastic Lateral Joint	168.67	72.15
23 31 16 16-0130 EA 3" Fiber Reinforced Plastic Lateral Joint	198.14	86.90
23 31 16 16-0131 EA 4" Fiber Reinforced Plastic Lateral Joint	226.19	100.80
23 31 16 16-0132 EA 6" Fiber Reinforced Plastic Lateral Joint	287.09	134.40
23 31 16 16-0133 EA 8" Fiber Reinforced Plastic Lateral Joint	346.46	167.17
23 31 16 16-0134 EA 10" Fiber Reinforced Plastic Lateral Joint	415.09	202.54
23 31 16 16-0135 EA 12" Fiber Reinforced Plastic Lateral Joint	496.61	245.66
23 31 16 16-0136 EA 14" Fiber Reinforced Plastic Lateral Joint	539.29	265.46
23 31 16 16-0137 EA 16" Fiber Reinforced Plastic Lateral Joint	592.59	288.69
23 31 16 16-0138 EA 18" Fiber Reinforced Plastic Lateral Joint	641.68	309.42
23 31 16 16-0139 EA 20" Fiber Reinforced Plastic Lateral Joint	701.06	336.30
23 31 16 16-0140 EA 24" Fiber Reinforced Plastic Lateral Joint	776.10	369.71
23 31 16 16-0141 EA 30" Fiber Reinforced Plastic Lateral Joint	858.08	402.95
23 31 16 16-0142 EA 36" Fiber Reinforced Plastic Lateral Joint	969.12	453.53
23 31 16 16-0143 EA 42" Fiber Reinforced Plastic Lateral Joint	1,083.19	504.50
23 31 16 16-0144 EA 48" Fiber Reinforced Plastic Lateral Joint	1,190.68	554.53
23 31 16 16-0145 EA 54" Fiber Reinforced Plastic Lateral Joint	1,420.43	670.55
23 31 16 16-0146 EA 60" Fiber Reinforced Plastic Lateral Joint	1,730.27	841.92
23 31 16 16-0147 EA 66" Fiber Reinforced Plastic Lateral Joint	2,093.09	1,008.71
23 31 16 16-0148 EA 72" Fiber Reinforced Plastic Lateral Joint	2,341.02	1,142.94
23 31 16 16-0149 Fiber Reinforced Plastic One Piece Reducer (23 31 16 16-0001)		
23 31 16 16-0150 EA 2" Fiber Reinforced Plastic One Piece Reducer	143.67	48.45
23 31 16 16-0151 EA 3" Fiber Reinforced Plastic One Piece Reducer	169.07	57.87
23 31 16 16-0152 EA 4" Fiber Reinforced Plastic One Piece Reducer	199.28	67.20

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 16 16-0153	EA	6" Fiber Reinforced Plastic One Piece Reducer.....	255.95	89.61
23 31 16 16-0154	EA	8" Fiber Reinforced Plastic One Piece Reducer.....	307.83	112.01
23 31 16 16-0155	EA	10" Fiber Reinforced Plastic One Piece Reducer.....	370.29	134.97
23 31 16 16-0156	EA	12" Fiber Reinforced Plastic One Piece Reducer.....	438.54	167.17
23 31 16 16-0157	EA	14" Fiber Reinforced Plastic One Piece Reducer.....	469.35	176.97
23 31 16 16-0158	EA	16" Fiber Reinforced Plastic One Piece Reducer.....	518.86	192.10
23 31 16 16-0159	EA	18" Fiber Reinforced Plastic One Piece Reducer.....	571.52	206.27
23 31 16 16-0160	EA	20" Fiber Reinforced Plastic One Piece Reducer.....	639.88	224.01
23 31 16 16-0161	EA	24" Fiber Reinforced Plastic One Piece Reducer.....	731.02	246.69
23 31 16 16-0162	EA	30" Fiber Reinforced Plastic One Piece Reducer.....	821.88	269.28
23 31 16 16-0163	EA	36" Fiber Reinforced Plastic One Piece Reducer.....	930.98	302.70
23 31 16 16-0164	EA	42" Fiber Reinforced Plastic One Piece Reducer.....	1,040.28	336.30
23 31 16 16-0165	EA	48" Fiber Reinforced Plastic One Piece Reducer.....	1,173.47	369.71
23 31 16 16-0166	EA	54" Fiber Reinforced Plastic One Piece Reducer.....	1,388.80	448.03
23 31 16 16-0167	EA	60" Fiber Reinforced Plastic One Piece Reducer.....	1,653.02	560.03
23 31 16 16-0168	EA	66" Fiber Reinforced Plastic One Piece Reducer.....	1,844.45	670.55
23 31 16 16-0169	EA	72" Fiber Reinforced Plastic One Piece Reducer.....	2,069.84	762.11

23 31 16 16-0170 Fiber Reinforced Plastic Two Piece Reducer (23 31 16 16-0001)

23 31 16 16-0171	EA	2" Fiber Reinforced Plastic Two Piece Reducer.....	172.74	48.45
23 31 16 16-0172	EA	3" Fiber Reinforced Plastic Two Piece Reducer.....	188.45	57.87
23 31 16 16-0173	EA	4" Fiber Reinforced Plastic Two Piece Reducer.....	218.66	67.20
23 31 16 16-0174	EA	6" Fiber Reinforced Plastic Two Piece Reducer.....	282.60	89.61
23 31 16 16-0175	EA	8" Fiber Reinforced Plastic Two Piece Reducer.....	346.60	112.01
23 31 16 16-0176	EA	10" Fiber Reinforced Plastic Two Piece Reducer.....	411.48	134.97
23 31 16 16-0177	EA	12" Fiber Reinforced Plastic Two Piece Reducer.....	491.84	167.17
23 31 16 16-0178	EA	14" Fiber Reinforced Plastic Two Piece Reducer.....	537.20	176.97
23 31 16 16-0179	EA	16" Fiber Reinforced Plastic Two Piece Reducer.....	586.71	192.10
23 31 16 16-0180	EA	18" Fiber Reinforced Plastic Two Piece Reducer.....	663.59	206.27
23 31 16 16-0181	EA	20" Fiber Reinforced Plastic Two Piece Reducer.....	843.41	224.01
23 31 16 16-0182	EA	24" Fiber Reinforced Plastic Two Piece Reducer.....	1,029.05	246.69
23 31 16 16-0183	EA	30" Fiber Reinforced Plastic Two Piece Reducer.....	1,102.94	269.28
23 31 16 16-0184	EA	36" Fiber Reinforced Plastic Two Piece Reducer.....	1,255.66	302.70
23 31 16 16-0185	EA	42" Fiber Reinforced Plastic Two Piece Reducer.....	1,360.11	336.30
23 31 16 16-0186	EA	48" Fiber Reinforced Plastic Two Piece Reducer.....	1,488.45	369.71
23 31 16 16-0187	EA	54" Fiber Reinforced Plastic Two Piece Reducer.....	1,643.21	448.03
23 31 16 16-0188	EA	60" Fiber Reinforced Plastic Two Piece Reducer.....	1,892.89	560.03
23 31 16 16-0189	EA	66" Fiber Reinforced Plastic Two Piece Reducer.....	2,110.98	670.55
23 31 16 16-0190	EA	72" Fiber Reinforced Plastic Two Piece Reducer.....	2,312.14	762.11

23 31 16 16-0191 Fiber Reinforced Plastic Butterfly Dampers (23 31 16 16-0001)

23 31 16 16-0192	EA	2" Fiber Reinforced Plastic Damper.....	310.81	48.35
23 31 16 16-0193	EA	3" Fiber Reinforced Plastic Damper.....	350.74	57.77
23 31 16 16-0194	EA	4" Fiber Reinforced Plastic Damper.....	390.65	67.20
23 31 16 16-0195	EA	6" Fiber Reinforced Plastic Damper.....	464.33	89.61
23 31 16 16-0196	EA	8" Fiber Reinforced Plastic Damper.....	550.13	112.01
23 31 16 16-0197	EA	10" Fiber Reinforced Plastic Damper.....	623.81	134.40
23 31 16 16-0198	EA	12" Fiber Reinforced Plastic Damper.....	714.70	167.17
23 31 16 16-0199	EA	14" Fiber Reinforced Plastic Damper.....	791.68	176.97
23 31 16 16-0200	EA	16" Fiber Reinforced Plastic Damper.....	877.65	192.19
23 31 16 16-0201	EA	18" Fiber Reinforced Plastic Damper.....	961.37	206.09
23 31 16 16-0202	EA	20" Fiber Reinforced Plastic Damper.....	1,027.61	224.01
23 31 16 16-0203	EA	24" Fiber Reinforced Plastic Damper.....	1,161.87	246.41
23 31 16 16-0204	EA	30" Fiber Reinforced Plastic Damper.....	1,344.56	268.82
23 31 16 16-0205	EA	36" Fiber Reinforced Plastic Damper.....	1,545.98	302.42
23 31 16 16-0206	EA	42" Fiber Reinforced Plastic Damper.....	1,771.61	336.11
23 31 16 16-0207	EA	48" Fiber Reinforced Plastic Damper.....	1,973.05	369.71
23 31 16 16-0208	EA	54" Fiber Reinforced Plastic Damper.....	2,321.65	448.03
23 31 16 16-0209	EA	60" Fiber Reinforced Plastic Damper.....	2,726.40	560.03
23 31 16 16-0210	EA	66" Fiber Reinforced Plastic Damper.....	3,106.55	671.86
23 31 16 16-0211	EA	72" Fiber Reinforced Plastic Damper.....	3,570.71	761.37

23 33 Air Duct Accessories (23 30)**23 33 13 Dampers (23 33)****23 33 13 13 Volume-Control Dampers (23 33 13)****23 33 13 13-0001 Radial Opposed Blade Damper Steel Construction (23 33 13 13)**

23 33 13 13-0002	EA	6" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated.....	75.09	7.80
For Stainless Steel, Add			58.31	
For Parallel Blade Damper, Add			17.94	
23 33 13 13-0003	EA	7" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated.....	80.57	8.76
For Stainless Steel, Add			59.15	
For Parallel Blade Damper, Add			18.20	
23 33 13 13-0004	EA	8" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated.....	86.76	9.74
For Stainless Steel, Add			59.77	
For Parallel Blade Damper, Add			18.39	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Air Distribution

23 30

Air Duct Accessories

23 33**23**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0005	EA	10" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	93.81	11.69
		For Stainless Steel, Add	63.51	
		For Parallel Blade Damper, Add	19.54	
23 33 13 13-0006	EA	12" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	101.84	12.67
		For Stainless Steel, Add	67.25	
		For Parallel Blade Damper, Add	20.69	
23 33 13 13-0007	EA	14" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	120.89	13.64
		For Stainless Steel, Add	85.92	
		For Parallel Blade Damper, Add	26.44	
23 33 13 13-0008	EA	15" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	132.30	14.61
		For Stainless Steel, Add	93.39	
		For Parallel Blade Damper, Add	28.74	
23 33 13 13-0009	EA	16" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	139.65	16.56
		For Stainless Steel, Add	97.11	
		For Parallel Blade Damper, Add	29.88	
23 33 13 13-0010	EA	18" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	153.48	17.54
		For Stainless Steel, Add	108.33	
		For Parallel Blade Damper, Add	33.33	
23 33 13 13-0011	EA	20" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	179.70	19.49
		For Stainless Steel, Add	134.49	
		For Parallel Blade Damper, Add	41.38	
23 33 13 13-0012	EA	24" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	197.51	19.49
		For Stainless Steel, Add	153.14	
		For Parallel Blade Damper, Add	47.12	
23 33 13 13-0013	EA	30" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	225.60	22.41
		For Stainless Steel, Add	179.30	
		For Parallel Blade Damper, Add	55.17	
23 33 13 13-0014	EA	36" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	242.58	23.38
		For Stainless Steel, Add	195.38	
		For Parallel Blade Damper, Add	60.12	
23 33 13 13-0015		Rectangular Opposed Blade Damper (23 33 13 13)		
23 33 13 13-0016	EA	6" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	70.24	10.84
		For Stainless Steel, Add	49.05	
		For Parallel Blade Damper, Add	15.09	
23 33 13 13-0017	EA	8" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	74.40	11.33
		For Stainless Steel, Add	52.53	
		For Parallel Blade Damper, Add	16.16	
23 33 13 13-0018	EA	8" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	77.29	11.42
		For Stainless Steel, Add	56.04	
		For Parallel Blade Damper, Add	17.24	
23 33 13 13-0019	EA	10" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	77.29	11.42
		For Stainless Steel, Add	56.04	
		For Parallel Blade Damper, Add	17.24	
23 33 13 13-0020	EA	10" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	80.96	11.72
		For Stainless Steel, Add	59.54	
		For Parallel Blade Damper, Add	18.32	
23 33 13 13-0021	EA	10" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	90.24	12.99
		For Stainless Steel, Add	66.53	
		For Parallel Blade Damper, Add	20.47	
23 33 13 13-0022	EA	12" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	80.96	11.72
		For Stainless Steel, Add	59.54	
		For Parallel Blade Damper, Add	18.32	
23 33 13 13-0023	EA	12" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	88.29	12.40
		For Stainless Steel, Add	66.53	
		For Parallel Blade Damper, Add	20.47	
23 33 13 13-0024	EA	12" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	92.96	12.99
		For Stainless Steel, Add	70.07	
		For Parallel Blade Damper, Add	21.56	
23 33 13 13-0025	EA	12" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	100.55	14.65
		For Stainless Steel, Add	73.58	
		For Parallel Blade Damper, Add	22.64	
23 33 13 13-0026	EA	14" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	86.96	12.40
		For Stainless Steel, Add	64.81	
		For Parallel Blade Damper, Add	19.94	
23 33 13 13-0027	EA	14" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	92.96	12.99
		For Stainless Steel, Add	70.07	
		For Parallel Blade Damper, Add	21.56	
23 33 13 13-0028	EA	14" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	97.61	13.67
		For Stainless Steel, Add	73.58	
		For Parallel Blade Damper, Add	22.64	
23 33 13 13-0029	EA	14" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	103.24	14.65
		For Stainless Steel, Add	77.08	
		For Parallel Blade Damper, Add	23.72	
23 33 13 13-0030	EA	14" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	114.85	16.31
		For Stainless Steel, Add	85.83	
		For Parallel Blade Damper, Add	26.41	
23 33 13 13-0031	EA	16" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	92.96	12.99
		For Stainless Steel, Add	70.07	
		For Parallel Blade Damper, Add	21.56	
23 33 13 13-0032	EA	16" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	98.59	13.96
		For Stainless Steel, Add	73.58	
		For Parallel Blade Damper, Add	22.64	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0033	EA	16" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	105.18	15.33
		For Stainless Steel, Add	77.08	
		For Parallel Blade Damper, Add	23.72	
23 33 13 13-0034	EA	16" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	110.80	16.31
		For Stainless Steel, Add	80.56	
		For Parallel Blade Damper, Add	24.79	
23 33 13 13-0035	EA	16" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	122.45	17.87
		For Stainless Steel, Add	89.36	
		For Parallel Blade Damper, Add	27.50	
23 33 13 13-0036	EA	16" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	134.06	19.53
		For Stainless Steel, Add	98.10	
		For Parallel Blade Damper, Add	30.18	
23 33 13 13-0037	EA	18" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	97.61	13.67
		For Stainless Steel, Add	73.58	
		For Parallel Blade Damper, Add	22.64	
23 33 13 13-0038	EA	18" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	104.57	14.65
		For Stainless Steel, Add	78.81	
		For Parallel Blade Damper, Add	24.25	
23 33 13 13-0039	EA	18" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	113.52	16.31
		For Stainless Steel, Add	84.10	
		For Parallel Blade Damper, Add	25.88	
23 33 13 13-0040	EA	18" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	125.14	17.87
		For Stainless Steel, Add	92.86	
		For Parallel Blade Damper, Add	28.57	
23 33 13 13-0041	EA	18" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	135.41	19.53
		For Stainless Steel, Add	99.85	
		For Parallel Blade Damper, Add	30.72	
23 33 13 13-0042	EA	18" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	147.00	21.09
		For Stainless Steel, Add	108.59	
		For Parallel Blade Damper, Add	33.41	
23 33 13 13-0043	EA	18" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	155.93	22.75
		For Stainless Steel, Add	113.85	
		For Parallel Blade Damper, Add	35.03	
23 33 13 13-0044	EA	20" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	103.24	14.65
		For Stainless Steel, Add	77.08	
		For Parallel Blade Damper, Add	23.72	
23 33 13 13-0045	EA	20" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	113.50	16.31
		For Stainless Steel, Add	84.07	
		For Parallel Blade Damper, Add	25.87	
23 33 13 13-0046	EA	20" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	123.78	17.87
		For Stainless Steel, Add	91.09	
		For Parallel Blade Damper, Add	28.03	
23 33 13 13-0047	EA	20" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	139.46	19.53
		For Stainless Steel, Add	105.12	
		For Parallel Blade Damper, Add	32.34	
23 33 13 13-0048	EA	20" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	148.37	21.09
		For Stainless Steel, Add	110.37	
		For Parallel Blade Damper, Add	33.96	
23 33 13 13-0049	EA	20" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	157.30	22.75
		For Stainless Steel, Add	115.64	
		For Parallel Blade Damper, Add	35.58	
23 33 13 13-0050	EA	20" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	167.57	24.42
		For Stainless Steel, Add	122.63	
		For Parallel Blade Damper, Add	37.73	
23 33 13 13-0051	EA	20" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	177.82	25.97
		For Stainless Steel, Add	129.61	
		For Parallel Blade Damper, Add	39.88	
23 33 13 13-0052	EA	24" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	116.20	16.31
		For Stainless Steel, Add	87.58	
		For Parallel Blade Damper, Add	26.95	
23 33 13 13-0053	EA	24" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	129.17	17.87
		For Stainless Steel, Add	98.10	
		For Parallel Blade Damper, Add	30.18	
23 33 13 13-0054	EA	24" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	139.46	19.53
		For Stainless Steel, Add	105.12	
		For Parallel Blade Damper, Add	32.34	
23 33 13 13-0055	EA	24" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	152.42	21.09
		For Stainless Steel, Add	115.64	
		For Parallel Blade Damper, Add	35.58	
23 33 13 13-0056	EA	24" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	161.33	22.75
		For Stainless Steel, Add	120.87	
		For Parallel Blade Damper, Add	37.19	
23 33 13 13-0057	EA	24" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	170.26	24.42
		For Stainless Steel, Add	126.13	
		For Parallel Blade Damper, Add	38.81	
23 33 13 13-0058	EA	24" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	183.22	25.97
		For Stainless Steel, Add	136.63	
		For Parallel Blade Damper, Add	42.04	
23 33 13 13-0059	EA	24" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	201.05	29.30
		For Stainless Steel, Add	147.12	
		For Parallel Blade Damper, Add	45.27	
23 33 13 13-0060	EA	24" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	221.63	32.51
		For Stainless Steel, Add	161.17	
		For Parallel Blade Damper, Add	49.59	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
Air Duct Accessories			23 33

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0061	EA		28" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	129.17	17.87
			For Stainless Steel, Add	98.10	
			For Parallel Blade Damper, Add	30.18	
23 33 13 13-0062	EA		28" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	139.46	19.53
			For Stainless Steel, Add	105.12	
			For Parallel Blade Damper, Add	32.34	
23 33 13 13-0063	EA		28" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	152.42	21.09
			For Stainless Steel, Add	115.64	
			For Parallel Blade Damper, Add	35.58	
23 33 13 13-0064	EA		28" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	162.68	22.75
			For Stainless Steel, Add	122.63	
			For Parallel Blade Damper, Add	37.73	
23 33 13 13-0065	EA		28" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	174.29	24.42
			For Stainless Steel, Add	131.37	
			For Parallel Blade Damper, Add	40.42	
23 33 13 13-0066	EA		28" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	185.90	25.97
			For Stainless Steel, Add	140.11	
			For Parallel Blade Damper, Add	43.11	
23 33 13 13-0067	EA		28" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	203.75	29.30
			For Stainless Steel, Add	150.63	
			For Parallel Blade Damper, Add	46.35	
23 33 13 13-0068	EA		28" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	221.63	32.51
			For Stainless Steel, Add	161.17	
			For Parallel Blade Damper, Add	49.59	
23 33 13 13-0069	EA		28" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	242.66	34.18
			For Stainless Steel, Add	182.17	
			For Parallel Blade Damper, Add	56.05	
23 33 13 13-0070	EA		28" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	265.90	37.40
			For Stainless Steel, Add	199.68	
			For Parallel Blade Damper, Add	61.44	
23 33 13 13-0071	EA		32" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	147.55	19.53
			For Stainless Steel, Add	115.64	
			For Parallel Blade Damper, Add	35.58	
23 33 13 13-0072	EA		32" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	155.10	21.09
			For Stainless Steel, Add	119.12	
			For Parallel Blade Damper, Add	36.65	
23 33 13 13-0073	EA		32" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	162.68	22.75
			For Stainless Steel, Add	122.63	
			For Parallel Blade Damper, Add	37.73	
23 33 13 13-0074	EA		32" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	172.94	24.42
			For Stainless Steel, Add	129.61	
			For Parallel Blade Damper, Add	39.88	
23 33 13 13-0075	EA		32" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	186.42	25.97
			For Stainless Steel, Add	140.79	
			For Parallel Blade Damper, Add	43.32	
23 33 13 13-0076	EA		32" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	203.75	29.30
			For Stainless Steel, Add	150.63	
			For Parallel Blade Damper, Add	46.35	
23 33 13 13-0077	EA		32" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	224.33	32.51
			For Stainless Steel, Add	164.68	
			For Parallel Blade Damper, Add	50.67	
23 33 13 13-0078	EA		32" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	244.87	35.74
			For Stainless Steel, Add	178.69	
			For Parallel Blade Damper, Add	54.98	
23 33 13 13-0079	EA		32" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	265.90	37.40
			For Stainless Steel, Add	199.68	
			For Parallel Blade Damper, Add	61.44	
23 33 13 13-0080	EA		32" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	292.59	40.03
			For Stainless Steel, Add	224.22	
			For Parallel Blade Damper, Add	68.99	
23 33 13 13-0081	EA		32" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	321.00	42.28
			For Stainless Steel, Add	252.27	
			For Parallel Blade Damper, Add	77.62	
23 33 13 13-0082	EA		36" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	160.49	21.09
			For Stainless Steel, Add	126.13	
			For Parallel Blade Damper, Add	38.81	
23 33 13 13-0083	EA		36" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	170.75	22.75
			For Stainless Steel, Add	133.12	
			For Parallel Blade Damper, Add	40.96	
23 33 13 13-0084	EA		36" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	181.02	24.42
			For Stainless Steel, Add	140.11	
			For Parallel Blade Damper, Add	43.11	
23 33 13 13-0085	EA		36" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	193.99	25.97
			For Stainless Steel, Add	150.63	
			For Parallel Blade Damper, Add	46.35	
23 33 13 13-0086	EA		36" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	207.82	29.30
			For Stainless Steel, Add	155.92	
			For Parallel Blade Damper, Add	47.98	
23 33 13 13-0087	EA		36" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	216.75	30.86
			For Stainless Steel, Add	161.17	
			For Parallel Blade Damper, Add	49.59	
23 33 13 13-0088	EA		36" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	244.87	35.74
			For Stainless Steel, Add	178.69	
			For Parallel Blade Damper, Add	54.98	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0089 EA 36" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	268.08	39.06
For Stainless Steel, Add	196.17	
For Parallel Blade Damper, Add	60.36	
23 33 13 13-0090 EA 36" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	288.18	40.33
For Stainless Steel, Add	217.22	
For Parallel Blade Damper, Add	66.84	
23 33 13 13-0091 EA 36" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	318.50	43.26
For Stainless Steel, Add	245.22	
For Parallel Blade Damper, Add	75.45	
23 33 13 13-0092 EA 36" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	344.21	45.51
For Stainless Steel, Add	269.75	
For Parallel Blade Damper, Add	83.00	
23 33 13 13-0093 EA 36" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	370.66	47.16
For Stainless Steel, Add	297.78	
For Parallel Blade Damper, Add	91.62	
23 33 13 13-0094 EA 40" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	168.05	24.42
For Stainless Steel, Add	129.61	
For Parallel Blade Damper, Add	39.88	
23 33 13 13-0095 EA 40" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	183.71	25.97
For Stainless Steel, Add	143.61	
For Parallel Blade Damper, Add	44.19	
23 33 13 13-0096 EA 40" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	191.29	27.63
For Stainless Steel, Add	147.12	
For Parallel Blade Damper, Add	45.27	
23 33 13 13-0097 EA 40" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	198.87	29.30
For Stainless Steel, Add	150.63	
For Parallel Blade Damper, Add	46.35	
23 33 13 13-0098 EA 40" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	218.08	30.86
For Stainless Steel, Add	162.90	
For Parallel Blade Damper, Add	50.12	
23 33 13 13-0099 EA 40" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	232.40	32.51
For Stainless Steel, Add	175.18	
For Parallel Blade Damper, Add	53.90	
23 33 13 13-0100 EA 40" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	257.83	37.40
For Stainless Steel, Add	189.19	
For Parallel Blade Damper, Add	58.21	
23 33 13 13-0101 EA 40" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	278.39	40.62
For Stainless Steel, Add	203.22	
For Parallel Blade Damper, Add	62.53	
23 33 13 13-0102 EA 40" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	302.35	43.26
For Stainless Steel, Add	224.22	
For Parallel Blade Damper, Add	68.99	
23 33 13 13-0103 EA 40" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	338.83	45.51
For Stainless Steel, Add	262.76	
For Parallel Blade Damper, Add	80.85	
23 33 13 13-0104 EA 40" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	362.79	48.14
For Stainless Steel, Add	283.75	
For Parallel Blade Damper, Add	87.31	
23 33 13 13-0105 EA 40" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	396.36	49.41
For Stainless Steel, Add	322.31	
For Parallel Blade Damper, Add	99.17	
23 33 13 13-0106 EA 40" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	431.13	52.05
For Stainless Steel, Add	357.34	
For Parallel Blade Damper, Add	109.95	
23 33 13 13-0107 EA 44" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	178.34	24.42
For Stainless Steel, Add	136.63	
For Parallel Blade Damper, Add	42.04	
23 33 13 13-0108 EA 44" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	193.99	25.97
For Stainless Steel, Add	150.63	
For Parallel Blade Damper, Add	46.35	
23 33 13 13-0109 EA 44" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	206.98	27.63
For Stainless Steel, Add	161.17	
For Parallel Blade Damper, Add	49.59	
23 33 13 13-0110 EA 44" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	214.56	29.30
For Stainless Steel, Add	164.68	
For Parallel Blade Damper, Add	50.67	
23 33 13 13-0111 EA 44" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	230.22	30.86
For Stainless Steel, Add	178.69	
For Parallel Blade Damper, Add	54.98	
23 33 13 13-0112 EA 44" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	245.87	32.51
For Stainless Steel, Add	192.69	
For Parallel Blade Damper, Add	59.29	
23 33 13 13-0113 EA 44" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	278.89	39.06
For Stainless Steel, Add	210.22	
For Parallel Blade Damper, Add	64.68	
23 33 13 13-0114 EA 44" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	302.11	42.28
For Stainless Steel, Add	227.71	
For Parallel Blade Damper, Add	70.06	
23 33 13 13-0115 EA 44" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	338.83	45.51
For Stainless Steel, Add	262.76	
For Parallel Blade Damper, Add	80.85	
23 33 13 13-0116 EA 44" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	372.86	48.83
For Stainless Steel, Add	294.29	
For Parallel Blade Damper, Add	90.55	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
Air Duct Accessories			23 33

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0117	EA		44" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	409.55	52.05
			For Stainless Steel, Add	329.29	
			For Parallel Blade Damper, Add	101.32	
23 33 13 13-0118	EA		44" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	438.69	53.61
			For Stainless Steel, Add	360.83	
			For Parallel Blade Damper, Add	111.02	
23 33 13 13-0119	EA		44" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	467.83	55.27
			For Stainless Steel, Add	392.37	
			For Parallel Blade Damper, Add	120.73	
23 33 13 13-0120	EA		44" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	496.98	56.93
			For Stainless Steel, Add	423.90	
			For Parallel Blade Damper, Add	130.43	
23 33 13 13-0121	EA		48" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	191.29	25.97
			For Stainless Steel, Add	147.12	
			For Parallel Blade Damper, Add	45.27	
23 33 13 13-0122	EA		48" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	206.98	27.63
			For Stainless Steel, Add	161.17	
			For Parallel Blade Damper, Add	49.59	
23 33 13 13-0123	EA		48" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	214.56	29.30
			For Stainless Steel, Add	164.68	
			For Parallel Blade Damper, Add	50.67	
23 33 13 13-0124	EA		48" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	232.40	32.51
			For Stainless Steel, Add	175.18	
			For Parallel Blade Damper, Add	53.90	
23 33 13 13-0125	EA		48" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	252.95	35.74
			For Stainless Steel, Add	189.19	
			For Parallel Blade Damper, Add	58.21	
23 33 13 13-0126	EA		48" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	273.50	39.06
			For Stainless Steel, Add	203.22	
			For Parallel Blade Damper, Add	62.53	
23 33 13 13-0127	EA		48" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	299.43	42.28
			For Stainless Steel, Add	224.22	
			For Parallel Blade Damper, Add	68.99	
23 33 13 13-0128	EA		48" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	325.34	45.51
			For Stainless Steel, Add	245.22	
			For Parallel Blade Damper, Add	75.45	
23 33 13 13-0129	EA		48" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	359.37	48.83
			For Stainless Steel, Add	276.76	
			For Parallel Blade Damper, Add	85.16	
23 33 13 13-0130	EA		48" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	398.78	52.05
			For Stainless Steel, Add	315.29	
			For Parallel Blade Damper, Add	97.01	
23 33 13 13-0131	EA		48" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	427.94	53.61
			For Stainless Steel, Add	346.85	
			For Parallel Blade Damper, Add	106.72	
23 33 13 13-0132	EA		48" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	465.14	55.27
			For Stainless Steel, Add	388.87	
			For Parallel Blade Damper, Add	119.65	
23 33 13 13-0133	EA		48" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	499.17	58.49
			For Stainless Steel, Add	420.41	
			For Parallel Blade Damper, Add	129.36	
23 33 13 13-0134	EA		48" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	536.38	60.16
			For Stainless Steel, Add	462.44	
			For Parallel Blade Damper, Add	142.29	
23 33 13 13-0135	EA		48" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	572.58	65.04
			For Stainless Steel, Add	490.46	
			For Parallel Blade Damper, Add	150.91	
23 33 13 13-0136	EA		52" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	204.28	27.63
			For Stainless Steel, Add	157.66	
			For Parallel Blade Damper, Add	48.51	
23 33 13 13-0137	EA		52" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	219.94	29.30
			For Stainless Steel, Add	171.68	
			For Parallel Blade Damper, Add	52.82	
23 33 13 13-0138	EA		52" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	240.48	32.51
			For Stainless Steel, Add	185.68	
			For Parallel Blade Damper, Add	57.13	
23 33 13 13-0139	EA		52" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	252.95	35.74
			For Stainless Steel, Add	189.19	
			For Parallel Blade Damper, Add	58.21	
23 33 13 13-0140	EA		52" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	274.85	39.06
			For Stainless Steel, Add	204.97	
			For Parallel Blade Damper, Add	63.07	
23 33 13 13-0141	EA		52" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	296.74	42.28
			For Stainless Steel, Add	220.73	
			For Parallel Blade Damper, Add	67.92	
23 33 13 13-0142	EA		52" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	322.66	45.51
			For Stainless Steel, Add	241.74	
			For Parallel Blade Damper, Add	74.38	
23 33 13 13-0143	EA		52" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	348.60	48.83
			For Stainless Steel, Add	262.76	
			For Parallel Blade Damper, Add	80.85	
23 33 13 13-0144	EA		52" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	382.63	52.05
			For Stainless Steel, Add	294.29	
			For Parallel Blade Damper, Add	90.55	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0145	EA	52" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	424.71	55.27
		For Stainless Steel, Add	336.31	
		For Parallel Blade Damper, Add	103.48	
23 33 13 13-0146	EA	52" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	456.54	56.93
		For Stainless Steel, Add	371.33	
		For Parallel Blade Damper, Add	114.26	
23 33 13 13-0147	EA	52" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	496.47	58.49
		For Stainless Steel, Add	416.90	
		For Parallel Blade Damper, Add	128.28	
23 33 13 13-0148	EA	52" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	538.54	61.81
		For Stainless Steel, Add	458.90	
		For Parallel Blade Damper, Add	141.20	
23 33 13 13-0149	EA	52" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	572.58	65.04
		For Stainless Steel, Add	490.46	
		For Parallel Blade Damper, Add	150.91	
23 33 13 13-0150	EA	52" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	619.57	69.92
		For Stainless Steel, Add	532.51	
		For Parallel Blade Damper, Add	163.85	
23 33 13 13-0151	EA	52" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	656.30	73.14
		For Stainless Steel, Add	567.55	
		For Parallel Blade Damper, Add	174.63	
23 33 13 13-0152	EA	56" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	214.56	29.30
		For Stainless Steel, Add	164.68	
		For Parallel Blade Damper, Add	50.67	
23 33 13 13-0153	EA	56" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	237.78	32.51
		For Stainless Steel, Add	182.17	
		For Parallel Blade Damper, Add	56.05	
23 33 13 13-0154	EA	56" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	255.64	35.74
		For Stainless Steel, Add	192.69	
		For Parallel Blade Damper, Add	59.29	
23 33 13 13-0155	EA	56" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	268.08	39.06
		For Stainless Steel, Add	196.17	
		For Parallel Blade Damper, Add	60.36	
23 33 13 13-0156	EA	56" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	292.69	42.28
		For Stainless Steel, Add	215.46	
		For Parallel Blade Damper, Add	66.30	
23 33 13 13-0157	EA	56" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	317.27	45.51
		For Stainless Steel, Add	234.73	
		For Parallel Blade Damper, Add	72.22	
23 33 13 13-0158	EA	56" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	341.86	48.83
		For Stainless Steel, Add	253.99	
		For Parallel Blade Damper, Add	78.15	
23 33 13 13-0159	EA	56" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	366.45	52.05
		For Stainless Steel, Add	273.26	
		For Parallel Blade Damper, Add	84.08	
23 33 13 13-0160	EA	56" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	408.54	55.27
		For Stainless Steel, Add	315.29	
		For Parallel Blade Damper, Add	97.01	
23 33 13 13-0161	EA	56" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	445.78	56.93
		For Stainless Steel, Add	357.34	
		For Parallel Blade Damper, Add	109.95	
23 33 13 13-0162	EA	56" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	480.30	58.49
		For Stainless Steel, Add	395.88	
		For Parallel Blade Damper, Add	121.81	
23 33 13 13-0163	EA	56" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	527.79	61.81
		For Stainless Steel, Add	444.93	
		For Parallel Blade Damper, Add	136.90	
23 33 13 13-0164	EA	56" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	569.89	65.04
		For Stainless Steel, Add	486.97	
		For Parallel Blade Damper, Add	149.84	
23 33 13 13-0165	EA	56" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	614.69	68.26
		For Stainless Steel, Add	532.51	
		For Parallel Blade Damper, Add	163.85	
23 33 13 13-0166	EA	56" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	651.41	71.58
		For Stainless Steel, Add	567.55	
		For Parallel Blade Damper, Add	174.63	
23 33 13 13-0167	EA	56" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	696.21	74.80
		For Stainless Steel, Add	613.09	
		For Parallel Blade Damper, Add	188.64	
23 33 13 13-0168	EA	56" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	741.00	78.02
		For Stainless Steel, Add	658.63	
		For Parallel Blade Damper, Add	202.66	
23 33 13 13-0169	EA	60" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	232.40	32.51
		For Stainless Steel, Add	175.18	
		For Parallel Blade Damper, Add	53.90	
23 33 13 13-0170	EA	60" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	255.64	35.74
		For Stainless Steel, Add	192.69	
		For Parallel Blade Damper, Add	59.29	
23 33 13 13-0171	EA	60" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	270.78	39.06
		For Stainless Steel, Add	199.68	
		For Parallel Blade Damper, Add	61.44	
23 33 13 13-0172	EA	60" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	283.27	42.28
		For Stainless Steel, Add	203.22	
		For Parallel Blade Damper, Add	62.53	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Air Distribution			23 30	
Air Duct Accessories			23 33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0173	EA		60" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	309.19	45.51
			For Stainless Steel, Add	224.22	
			For Parallel Blade Damper, Add	68.99	
23 33 13 13-0174	EA		60" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	335.11	48.83
			For Stainless Steel, Add	245.22	
			For Parallel Blade Damper, Add	75.45	
23 33 13 13-0175	EA		60" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	362.40	52.05
			For Stainless Steel, Add	268.00	
			For Parallel Blade Damper, Add	82.46	
23 33 13 13-0176	EA		60" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	389.68	55.27
			For Stainless Steel, Add	290.77	
			For Parallel Blade Damper, Add	89.47	
23 33 13 13-0177	EA		60" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	429.60	56.93
			For Stainless Steel, Add	336.31	
			For Parallel Blade Damper, Add	103.48	
23 33 13 13-0178	EA		60" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	466.81	58.49
			For Stainless Steel, Add	378.34	
			For Parallel Blade Damper, Add	116.41	
23 33 13 13-0179	EA		60" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	511.62	61.81
			For Stainless Steel, Add	423.90	
			For Parallel Blade Damper, Add	130.43	
23 33 13 13-0180	EA		60" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	556.42	65.04
			For Stainless Steel, Add	469.46	
			For Parallel Blade Damper, Add	144.45	
23 33 13 13-0181	EA		60" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	593.13	68.26
			For Stainless Steel, Add	504.48	
			For Parallel Blade Damper, Add	155.22	
23 33 13 13-0182	EA		60" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	645.99	71.58
			For Stainless Steel, Add	560.51	
			For Parallel Blade Damper, Add	172.46	
23 33 13 13-0183	EA		60" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	693.49	74.80
			For Stainless Steel, Add	609.56	
			For Parallel Blade Damper, Add	187.56	
23 33 13 13-0184	EA		60" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	741.00	78.02
			For Stainless Steel, Add	658.63	
			For Parallel Blade Damper, Add	202.66	
23 33 13 13-0185	EA		60" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	783.07	81.34
			For Stainless Steel, Add	700.62	
			For Parallel Blade Damper, Add	215.58	
23 33 13 13-0186	EA		60" x 60" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	825.21	84.57
			For Stainless Steel, Add	742.70	
			For Parallel Blade Damper, Add	228.52	

23 33 13 16 Fire Dampers (23 33 13)

23 33 13 16-0001 Fire Dampers (23 33 13 16)

23 33 13 16-0002	SF		Curtain Type, Vertical, Fire Damper	102.38	10.55
			For Smoke Damper, Add	60.04	
			For Horizontal, Add	10.60	
			For Dynamic Damper, Add	15.89	
			For 3 Hour Rated, Add	14.13	
23 33 13 16-0003	SF		Louver Type, Vertical, Fire Damper	140.91	10.55
			For Smoke Damper, Add	92.79	
			For Horizontal, Add	16.38	
			For Dynamic Damper, Add	24.56	
			For 3 Hour Rated, Add	21.83	

23 33 13 16-0004 Folding Curtain Fire Dampers (23 33 13 16)

Note: UL Listed. Air stream galvanized steel construction with fusible link 160 F spring actuated for horizontal mount gravity actuated for vertical mount 1-1/2 hour fire rating. Damper blades and damper frame are in the air stream.

23 33 13 16-0005	EA		6" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	48.91	10.84
			For Horizontal, Add	2.46	
			For Dynamic Damper, Add	3.69	
			For 3 Hour Rated, Add	3.28	
			For Damper Blades Outside Air Stream, Add	4.92	
23 33 13 16-0006	EA		8" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	51.55	11.33
			For Horizontal, Add	2.63	
			For Dynamic Damper, Add	3.95	
			For 3 Hour Rated, Add	3.51	
			For Damper Blades Outside Air Stream, Add	5.27	
23 33 13 16-0007	EA		8" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	52.92	11.42
			For Horizontal, Add	2.81	
			For Dynamic Damper, Add	4.22	
			For 3 Hour Rated, Add	3.75	
			For Damper Blades Outside Air Stream, Add	5.62	
23 33 13 16-0008	EA		10" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	52.92	11.42
			For Horizontal, Add	2.81	
			For Dynamic Damper, Add	4.22	
			For 3 Hour Rated, Add	3.75	
			For Damper Blades Outside Air Stream, Add	5.62	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0009	EA	10" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	55.07	11.72
		For Horizontal, Add	2.99	
		For Dynamic Damper, Add	4.48	
		For 3 Hour Rated, Add	3.98	
		For Damper Blades Outside Air Stream, Add	5.97	
23 33 13 16-0010	EA	10" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	61.31	12.99
		For Horizontal, Add	3.34	
		For Dynamic Damper, Add	5.01	
		For 3 Hour Rated, Add	4.45	
		For Damper Blades Outside Air Stream, Add	6.68	
23 33 13 16-0011	EA	12" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	55.07	11.72
		For Horizontal, Add	2.99	
		For Dynamic Damper, Add	4.48	
		For 3 Hour Rated, Add	3.98	
		For Damper Blades Outside Air Stream, Add	5.97	
23 33 13 16-0012	EA	12" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	59.36	12.40
		For Horizontal, Add	3.34	
		For Dynamic Damper, Add	5.01	
		For 3 Hour Rated, Add	4.45	
		For Damper Blades Outside Air Stream, Add	6.68	
23 33 13 16-0013	EA	12" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	62.48	12.99
		For Horizontal, Add	3.51	
		For Dynamic Damper, Add	5.27	
		For 3 Hour Rated, Add	4.68	
		For Damper Blades Outside Air Stream, Add	7.03	
23 33 13 16-0014	EA	12" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	68.55	14.65
		For Horizontal, Add	3.69	
		For Dynamic Damper, Add	5.54	
		For 3 Hour Rated, Add	4.92	
		For Damper Blades Outside Air Stream, Add	7.38	
23 33 13 16-0015	EA	14" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	58.78	12.40
		For Horizontal, Add	3.25	
		For Dynamic Damper, Add	4.88	
		For 3 Hour Rated, Add	4.33	
		For Damper Blades Outside Air Stream, Add	6.50	
23 33 13 16-0016	EA	14" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	62.48	12.99
		For Horizontal, Add	3.51	
		For Dynamic Damper, Add	5.27	
		For 3 Hour Rated, Add	4.68	
		For Damper Blades Outside Air Stream, Add	7.03	
23 33 13 16-0017	EA	14" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	65.61	13.67
		For Horizontal, Add	3.69	
		For Dynamic Damper, Add	5.54	
		For 3 Hour Rated, Add	4.92	
		For Damper Blades Outside Air Stream, Add	7.38	
23 33 13 16-0018	EA	14" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	69.72	14.65
		For Horizontal, Add	3.87	
		For Dynamic Damper, Add	5.80	
		For 3 Hour Rated, Add	5.15	
		For Damper Blades Outside Air Stream, Add	7.73	
23 33 13 16-0019	EA	14" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	77.53	16.31
		For Horizontal, Add	4.31	
		For Dynamic Damper, Add	6.46	
		For 3 Hour Rated, Add	5.74	
		For Damper Blades Outside Air Stream, Add	8.61	
23 33 13 16-0020	EA	16" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	62.48	12.99
		For Horizontal, Add	3.51	
		For Dynamic Damper, Add	5.27	
		For 3 Hour Rated, Add	4.68	
		For Damper Blades Outside Air Stream, Add	7.03	
23 33 13 16-0021	EA	16" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	66.59	13.96
		For Horizontal, Add	3.69	
		For Dynamic Damper, Add	5.54	
		For 3 Hour Rated, Add	4.92	
		For Damper Blades Outside Air Stream, Add	7.38	
23 33 13 16-0022	EA	16" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	71.66	15.33
		For Horizontal, Add	3.87	
		For Dynamic Damper, Add	5.80	
		For 3 Hour Rated, Add	5.15	
		For Damper Blades Outside Air Stream, Add	7.73	
23 33 13 16-0023	EA	16" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	75.76	16.31
		For Horizontal, Add	4.04	
		For Dynamic Damper, Add	6.06	
		For 3 Hour Rated, Add	5.39	
		For Damper Blades Outside Air Stream, Add	8.08	
23 33 13 16-0024	EA	16" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	83.58	17.87
		For Horizontal, Add	4.48	
		For Dynamic Damper, Add	6.72	
		For 3 Hour Rated, Add	5.97	
		For Damper Blades Outside Air Stream, Add	8.96	
23 33 13 16-0025	EA	16" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	91.40	19.53
		For Horizontal, Add	4.92	
		For Dynamic Damper, Add	7.38	
		For 3 Hour Rated, Add	6.56	
		For Damper Blades Outside Air Stream, Add	9.84	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Air Distribution			23 30	
Air Duct Accessories			23 33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0026	EA		18" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	65.61	13.67
			For Horizontal, Add	3.69	
			For Dynamic Damper, Add	5.54	
			For 3 Hour Rated, Add	4.92	
			For Damper Blades Outside Air Stream, Add	7.38	
23 33 13 16-0027	EA		18" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	70.30	14.65
			For Horizontal, Add	3.95	
			For Dynamic Damper, Add	5.93	
			For 3 Hour Rated, Add	5.27	
			For Damper Blades Outside Air Stream, Add	7.91	
23 33 13 16-0028	EA		18" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	76.95	16.31
			For Horizontal, Add	4.22	
			For Dynamic Damper, Add	6.33	
			For 3 Hour Rated, Add	5.62	
			For Damper Blades Outside Air Stream, Add	8.44	
23 33 13 16-0029	EA		18" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	84.75	17.87
			For Horizontal, Add	4.66	
			For Dynamic Damper, Add	6.98	
			For 3 Hour Rated, Add	6.21	
			For Damper Blades Outside Air Stream, Add	9.31	
23 33 13 16-0030	EA		18" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	91.98	19.53
			For Horizontal, Add	5.01	
			For Dynamic Damper, Add	7.51	
			For 3 Hour Rated, Add	6.68	
			For Damper Blades Outside Air Stream, Add	10.01	
23 33 13 16-0031	EA		18" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	99.78	21.09
			For Horizontal, Add	5.45	
			For Dynamic Damper, Add	8.17	
			For 3 Hour Rated, Add	7.26	
			For Damper Blades Outside Air Stream, Add	10.89	
23 33 13 16-0032	EA		18" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	106.42	22.75
			For Horizontal, Add	5.71	
			For Dynamic Damper, Add	8.57	
			For 3 Hour Rated, Add	7.61	
			For Damper Blades Outside Air Stream, Add	11.42	
23 33 13 16-0033	EA		20" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	69.72	14.65
			For Horizontal, Add	3.87	
			For Dynamic Damper, Add	5.80	
			For 3 Hour Rated, Add	5.15	
			For Damper Blades Outside Air Stream, Add	7.73	
23 33 13 16-0034	EA		20" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	76.94	16.31
			For Horizontal, Add	4.22	
			For Dynamic Damper, Add	6.32	
			For 3 Hour Rated, Add	5.62	
			For Damper Blades Outside Air Stream, Add	8.43	
23 33 13 16-0035	EA		20" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	84.16	17.87
			For Horizontal, Add	4.57	
			For Dynamic Damper, Add	6.85	
			For 3 Hour Rated, Add	6.09	
			For Damper Blades Outside Air Stream, Add	9.14	
23 33 13 16-0036	EA		20" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	93.75	19.53
			For Horizontal, Add	5.27	
			For Dynamic Damper, Add	7.91	
			For 3 Hour Rated, Add	7.03	
			For Damper Blades Outside Air Stream, Add	10.55	
23 33 13 16-0037	EA		20" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	100.37	21.09
			For Horizontal, Add	5.54	
			For Dynamic Damper, Add	8.30	
			For 3 Hour Rated, Add	7.38	
			For Damper Blades Outside Air Stream, Add	11.07	
23 33 13 16-0038	EA		20" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	107.01	22.75
			For Horizontal, Add	5.80	
			For Dynamic Damper, Add	8.70	
			For 3 Hour Rated, Add	7.73	
			For Damper Blades Outside Air Stream, Add	11.60	
23 33 13 16-0039	EA		20" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	114.24	24.42
			For Horizontal, Add	6.15	
			For Dynamic Damper, Add	9.23	
			For 3 Hour Rated, Add	8.20	
			For Damper Blades Outside Air Stream, Add	12.30	
23 33 13 16-0040	EA		20" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	121.45	25.97
			For Horizontal, Add	6.50	
			For Dynamic Damper, Add	9.75	
			For 3 Hour Rated, Add	8.67	
			For Damper Blades Outside Air Stream, Add	13.00	
23 33 13 16-0041	EA		24" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	78.11	16.31
			For Horizontal, Add	4.39	
			For Dynamic Damper, Add	6.59	
			For 3 Hour Rated, Add	5.86	
			For Damper Blades Outside Air Stream, Add	8.78	
23 33 13 16-0042	EA		24" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	86.51	17.87
			For Horizontal, Add	4.92	
			For Dynamic Damper, Add	7.38	
			For 3 Hour Rated, Add	6.56	
			For Damper Blades Outside Air Stream, Add	9.84	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0043	EA	24" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	93.75	19.53
		For Horizontal, Add	5.27	
		For Dynamic Damper, Add	7.91	
		For 3 Hour Rated, Add	7.03	
		For Damper Blades Outside Air Stream, Add	10.55	
23 33 13 16-0044	EA	24" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	102.13	21.09
		For Horizontal, Add	5.80	
		For Dynamic Damper, Add	8.70	
		For 3 Hour Rated, Add	7.73	
		For Damper Blades Outside Air Stream, Add	11.60	
23 33 13 16-0045	EA	24" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	108.76	22.75
		For Horizontal, Add	6.06	
		For Dynamic Damper, Add	9.09	
		For 3 Hour Rated, Add	8.08	
		For Damper Blades Outside Air Stream, Add	12.12	
23 33 13 16-0046	EA	24" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	115.41	24.42
		For Horizontal, Add	6.33	
		For Dynamic Damper, Add	9.49	
		For 3 Hour Rated, Add	8.43	
		For Damper Blades Outside Air Stream, Add	12.65	
23 33 13 16-0047	EA	24" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	123.80	25.97
		For Horizontal, Add	6.85	
		For Dynamic Damper, Add	10.28	
		For 3 Hour Rated, Add	9.14	
		For Damper Blades Outside Air Stream, Add	13.70	
23 33 13 16-0048	EA	24" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	137.07	29.30
		For Horizontal, Add	7.38	
		For Dynamic Damper, Add	11.07	
		For 3 Hour Rated, Add	9.84	
		For Damper Blades Outside Air Stream, Add	14.76	
23 33 13 16-0049	EA	24" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	151.54	32.51
		For Horizontal, Add	8.08	
		For Dynamic Damper, Add	12.13	
		For 3 Hour Rated, Add	10.78	
		For Damper Blades Outside Air Stream, Add	16.17	
23 33 13 16-0050	EA	28" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	86.51	17.87
		For Horizontal, Add	4.92	
		For Dynamic Damper, Add	7.38	
		For 3 Hour Rated, Add	6.56	
		For Damper Blades Outside Air Stream, Add	9.84	
23 33 13 16-0051	EA	28" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	93.75	19.53
		For Horizontal, Add	5.27	
		For Dynamic Damper, Add	7.91	
		For 3 Hour Rated, Add	7.03	
		For Damper Blades Outside Air Stream, Add	10.55	
23 33 13 16-0052	EA	28" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	102.13	21.09
		For Horizontal, Add	5.80	
		For Dynamic Damper, Add	8.70	
		For 3 Hour Rated, Add	7.73	
		For Damper Blades Outside Air Stream, Add	11.60	
23 33 13 16-0053	EA	28" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	109.35	22.75
		For Horizontal, Add	6.15	
		For Dynamic Damper, Add	9.23	
		For 3 Hour Rated, Add	8.20	
		For Damper Blades Outside Air Stream, Add	12.30	
23 33 13 16-0054	EA	28" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	117.17	24.42
		For Horizontal, Add	6.59	
		For Dynamic Damper, Add	9.88	
		For 3 Hour Rated, Add	8.79	
		For Damper Blades Outside Air Stream, Add	13.18	
23 33 13 16-0055	EA	28" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	124.97	25.97
		For Horizontal, Add	7.03	
		For Dynamic Damper, Add	10.54	
		For 3 Hour Rated, Add	9.37	
		For Damper Blades Outside Air Stream, Add	14.06	
23 33 13 16-0056	EA	28" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	138.25	29.30
		For Horizontal, Add	7.56	
		For Dynamic Damper, Add	11.33	
		For 3 Hour Rated, Add	10.07	
		For Damper Blades Outside Air Stream, Add	15.11	
23 33 13 16-0057	EA	28" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	151.54	32.51
		For Horizontal, Add	8.08	
		For Dynamic Damper, Add	12.13	
		For 3 Hour Rated, Add	10.78	
		For Damper Blades Outside Air Stream, Add	16.17	
23 33 13 16-0058	EA	28" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	163.44	34.18
		For Horizontal, Add	9.14	
		For Dynamic Damper, Add	13.70	
		For 3 Hour Rated, Add	12.18	
		For Damper Blades Outside Air Stream, Add	18.27	
23 33 13 16-0059	EA	28" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	179.07	37.40
		For Horizontal, Add	10.02	
		For Dynamic Damper, Add	15.02	
		For 3 Hour Rated, Add	13.35	
		For Damper Blades Outside Air Stream, Add	20.03	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Air Distribution			23 30	
Air Duct Accessories			23 33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0060	EA		32" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	97.26	19.53
			For Horizontal, Add	5.80	
			For Dynamic Damper, Add	8.70	
			For 3 Hour Rated, Add	7.73	
			For Damper Blades Outside Air Stream, Add	11.60	
23 33 13 16-0061	EA		32" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	103.29	21.09
			For Horizontal, Add	5.97	
			For Dynamic Damper, Add	8.96	
			For 3 Hour Rated, Add	7.96	
			For Damper Blades Outside Air Stream, Add	11.95	
23 33 13 16-0062	EA		32" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	109.35	22.75
			For Horizontal, Add	6.15	
			For Dynamic Damper, Add	9.23	
			For 3 Hour Rated, Add	8.20	
			For Damper Blades Outside Air Stream, Add	12.30	
23 33 13 16-0063	EA		32" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	116.57	24.42
			For Horizontal, Add	6.50	
			For Dynamic Damper, Add	9.75	
			For 3 Hour Rated, Add	8.67	
			For Damper Blades Outside Air Stream, Add	13.00	
23 33 13 16-0064	EA		32" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	125.19	25.97
			For Horizontal, Add	7.06	
			For Dynamic Damper, Add	10.59	
			For 3 Hour Rated, Add	9.41	
			For Damper Blades Outside Air Stream, Add	14.12	
23 33 13 16-0065	EA		32" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	138.25	29.30
			For Horizontal, Add	7.56	
			For Dynamic Damper, Add	11.33	
			For 3 Hour Rated, Add	10.07	
			For Damper Blades Outside Air Stream, Add	15.11	
23 33 13 16-0066	EA		32" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	152.71	32.51
			For Horizontal, Add	8.26	
			For Dynamic Damper, Add	12.39	
			For 3 Hour Rated, Add	11.01	
			For Damper Blades Outside Air Stream, Add	16.52	
23 33 13 16-0067	EA		32" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	167.16	35.74
			For Horizontal, Add	8.96	
			For Dynamic Damper, Add	13.44	
			For 3 Hour Rated, Add	11.95	
			For Damper Blades Outside Air Stream, Add	17.92	
23 33 13 16-0068	EA		32" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	179.07	37.40
			For Horizontal, Add	10.02	
			For Dynamic Damper, Add	15.02	
			For 3 Hour Rated, Add	13.35	
			For Damper Blades Outside Air Stream, Add	20.03	
23 33 13 16-0069	EA		32" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	195.08	40.03
			For Horizontal, Add	11.25	
			For Dynamic Damper, Add	16.87	
			For 3 Hour Rated, Add	14.99	
			For Damper Blades Outside Air Stream, Add	22.49	
23 33 13 16-0070	EA		32" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	211.29	42.28
			For Horizontal, Add	12.65	
			For Dynamic Damper, Add	18.98	
			For 3 Hour Rated, Add	16.87	
			For Damper Blades Outside Air Stream, Add	25.30	
23 33 13 16-0071	EA		36" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	105.64	21.09
			For Horizontal, Add	6.33	
			For Dynamic Damper, Add	9.49	
			For 3 Hour Rated, Add	8.43	
			For Damper Blades Outside Air Stream, Add	12.65	
23 33 13 16-0072	EA		36" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	112.86	22.75
			For Horizontal, Add	6.68	
			For Dynamic Damper, Add	10.01	
			For 3 Hour Rated, Add	8.90	
			For Damper Blades Outside Air Stream, Add	13.35	
23 33 13 16-0073	EA		36" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	120.09	24.42
			For Horizontal, Add	7.03	
			For Dynamic Damper, Add	10.54	
			For 3 Hour Rated, Add	9.37	
			For Damper Blades Outside Air Stream, Add	14.06	
23 33 13 16-0074	EA		36" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	128.49	25.97
			For Horizontal, Add	7.56	
			For Dynamic Damper, Add	11.33	
			For 3 Hour Rated, Add	10.07	
			For Damper Blades Outside Air Stream, Add	15.11	
23 33 13 16-0075	EA		36" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	140.01	29.30
			For Horizontal, Add	7.82	
			For Dynamic Damper, Add	11.73	
			For 3 Hour Rated, Add	10.43	
			For Damper Blades Outside Air Stream, Add	15.64	
23 33 13 16-0076	EA		36" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	146.66	30.86
			For Horizontal, Add	8.08	
			For Dynamic Damper, Add	12.13	
			For 3 Hour Rated, Add	10.78	
			For Damper Blades Outside Air Stream, Add	16.17	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0077 EA 36" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	167.16	35.74
For Horizontal, Add	8.96	
For Dynamic Damper, Add	13.44	
For 3 Hour Rated, Add	11.95	
For Damper Blades Outside Air Stream, Add	17.92	
23 33 13 16-0078 EA 36" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	182.77	39.06
For Horizontal, Add	9.84	
For Dynamic Damper, Add	14.76	
For 3 Hour Rated, Add	13.12	
For Damper Blades Outside Air Stream, Add	19.68	
23 33 13 16-0079 EA 36" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	162.59	40.33
For Horizontal, Add	6.23	
For Dynamic Damper, Add	9.34	
For 3 Hour Rated, Add	8.30	
For Damper Blades Outside Air Stream, Add	12.45	
23 33 13 16-0080 EA 36" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	211.86	43.26
For Horizontal, Add	12.30	
For Dynamic Damper, Add	18.45	
For 3 Hour Rated, Add	16.40	
For Damper Blades Outside Air Stream, Add	24.60	
23 33 13 16-0081 EA 36" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	226.90	45.51
For Horizontal, Add	13.53	
For Dynamic Damper, Add	20.29	
For 3 Hour Rated, Add	18.04	
For Damper Blades Outside Air Stream, Add	27.06	
23 33 13 16-0082 EA 36" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	241.16	47.16
For Horizontal, Add	14.93	
For Dynamic Damper, Add	22.40	
For 3 Hour Rated, Add	19.91	
For Damper Blades Outside Air Stream, Add	29.87	
23 33 13 16-0083 EA 40" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	111.68	24.42
For Horizontal, Add	6.50	
For Dynamic Damper, Add	9.75	
For 3 Hour Rated, Add	8.67	
For Damper Blades Outside Air Stream, Add	13.00	
23 33 13 16-0084 EA 40" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	121.26	25.97
For Horizontal, Add	7.20	
For Dynamic Damper, Add	10.80	
For 3 Hour Rated, Add	9.60	
For Damper Blades Outside Air Stream, Add	14.41	
23 33 13 16-0085 EA 40" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	127.31	27.63
For Horizontal, Add	7.38	
For Dynamic Damper, Add	11.07	
For 3 Hour Rated, Add	9.84	
For Damper Blades Outside Air Stream, Add	14.76	
23 33 13 16-0086 EA 40" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	133.37	29.30
For Horizontal, Add	7.56	
For Dynamic Damper, Add	11.33	
For 3 Hour Rated, Add	10.07	
For Damper Blades Outside Air Stream, Add	15.11	
23 33 13 16-0087 EA 40" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	147.24	30.86
For Horizontal, Add	8.17	
For Dynamic Damper, Add	12.26	
For 3 Hour Rated, Add	10.89	
For Damper Blades Outside Air Stream, Add	16.34	
23 33 13 16-0088 EA 40" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	156.22	32.51
For Horizontal, Add	8.79	
For Dynamic Damper, Add	13.18	
For 3 Hour Rated, Add	11.71	
For Damper Blades Outside Air Stream, Add	17.57	
23 33 13 16-0089 EA 40" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	175.55	37.40
For Horizontal, Add	9.49	
For Dynamic Damper, Add	14.23	
For 3 Hour Rated, Add	12.65	
For Damper Blades Outside Air Stream, Add	18.98	
23 33 13 16-0090 EA 40" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	190.01	40.62
For Horizontal, Add	10.19	
For Dynamic Damper, Add	15.29	
For 3 Hour Rated, Add	13.59	
For Damper Blades Outside Air Stream, Add	20.38	
23 33 13 16-0091 EA 40" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	204.84	43.26
For Horizontal, Add	11.25	
For Dynamic Damper, Add	16.87	
For 3 Hour Rated, Add	14.99	
For Damper Blades Outside Air Stream, Add	22.49	
23 33 13 16-0092 EA 40" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	224.56	45.51
For Horizontal, Add	13.18	
For Dynamic Damper, Add	19.77	
For 3 Hour Rated, Add	17.57	
For Damper Blades Outside Air Stream, Add	26.36	
23 33 13 16-0093 EA 40" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	239.39	48.14
For Horizontal, Add	14.23	
For Dynamic Damper, Add	21.35	
For 3 Hour Rated, Add	18.97	
For Damper Blades Outside Air Stream, Add	28.46	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Air Distribution			23 30	
Air Duct Accessories			23 33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0094	EA		40" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	256.19	49.41
			For Horizontal, Add	16.16	
			For Dynamic Damper, Add	24.25	
			For 3 Hour Rated, Add	21.55	
			For Damper Blades Outside Air Stream, Add	32.33	
23 33 13 16-0095	EA		40" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	275.73	52.05
			For Horizontal, Add	17.92	
			For Dynamic Damper, Add	26.88	
			For 3 Hour Rated, Add	23.90	
			For Damper Blades Outside Air Stream, Add	35.84	
23 33 13 16-0096	EA		44" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	118.92	24.42
			For Horizontal, Add	6.85	
			For Dynamic Damper, Add	10.28	
			For 3 Hour Rated, Add	9.14	
			For Damper Blades Outside Air Stream, Add	13.70	
23 33 13 16-0097	EA		44" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	128.49	25.97
			For Horizontal, Add	7.56	
			For Dynamic Damper, Add	11.33	
			For 3 Hour Rated, Add	10.07	
			For Damper Blades Outside Air Stream, Add	15.11	
23 33 13 16-0098	EA		44" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	136.89	27.63
			For Horizontal, Add	8.08	
			For Dynamic Damper, Add	12.13	
			For 3 Hour Rated, Add	10.78	
			For Damper Blades Outside Air Stream, Add	16.17	
23 33 13 16-0099	EA		44" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	142.94	29.30
			For Horizontal, Add	8.26	
			For Dynamic Damper, Add	12.39	
			For 3 Hour Rated, Add	11.01	
			For Damper Blades Outside Air Stream, Add	16.52	
23 33 13 16-0100	EA		44" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	152.51	30.86
			For Horizontal, Add	8.96	
			For Dynamic Damper, Add	13.44	
			For 3 Hour Rated, Add	11.95	
			For Damper Blades Outside Air Stream, Add	17.92	
23 33 13 16-0101	EA		44" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	162.08	32.51
			For Horizontal, Add	9.66	
			For Dynamic Damper, Add	14.50	
			For 3 Hour Rated, Add	12.89	
			For Damper Blades Outside Air Stream, Add	19.33	
23 33 13 16-0102	EA		44" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	187.47	39.06
			For Horizontal, Add	10.54	
			For Dynamic Damper, Add	15.82	
			For 3 Hour Rated, Add	14.06	
			For Damper Blades Outside Air Stream, Add	21.09	
23 33 13 16-0103	EA		44" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	203.08	42.28
			For Horizontal, Add	11.42	
			For Dynamic Damper, Add	17.13	
			For 3 Hour Rated, Add	15.23	
			For Damper Blades Outside Air Stream, Add	22.84	
23 33 13 16-0104	EA		44" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	224.56	45.51
			For Horizontal, Add	13.18	
			For Dynamic Damper, Add	19.77	
			For 3 Hour Rated, Add	17.57	
			For Damper Blades Outside Air Stream, Add	26.36	
23 33 13 16-0105	EA		44" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	244.87	48.83
			For Horizontal, Add	14.76	
			For Dynamic Damper, Add	22.14	
			For 3 Hour Rated, Add	19.68	
			For Damper Blades Outside Air Stream, Add	29.52	
23 33 13 16-0106	EA		44" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	266.35	52.05
			For Horizontal, Add	16.52	
			For Dynamic Damper, Add	24.77	
			For 3 Hour Rated, Add	22.02	
			For Damper Blades Outside Air Stream, Add	33.03	
23 33 13 16-0107	EA		44" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	281.77	53.61
			For Horizontal, Add	18.10	
			For Dynamic Damper, Add	27.14	
			For 3 Hour Rated, Add	24.13	
			For Damper Blades Outside Air Stream, Add	36.19	
23 33 13 16-0108	EA		44" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	297.19	55.27
			For Horizontal, Add	19.68	
			For Dynamic Damper, Add	29.52	
			For 3 Hour Rated, Add	26.24	
			For Damper Blades Outside Air Stream, Add	39.35	
23 33 13 16-0109	EA		44" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	312.64	56.93
			For Horizontal, Add	21.26	
			For Dynamic Damper, Add	31.89	
			For 3 Hour Rated, Add	28.35	
			For Damper Blades Outside Air Stream, Add	42.52	
23 33 13 16-0110	EA		48" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	127.31	25.97
			For Horizontal, Add	7.38	
			For Dynamic Damper, Add	11.07	
			For 3 Hour Rated, Add	9.84	
			For Damper Blades Outside Air Stream, Add	14.76	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0111 EA 48" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	136.89	27.63
For Horizontal, Add	8.08	
For Dynamic Damper, Add	12.13	
For 3 Hour Rated, Add	10.78	
For Damper Blades Outside Air Stream, Add	16.17	
23 33 13 16-0112 EA 48" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	142.94	29.30
For Horizontal, Add	8.26	
For Dynamic Damper, Add	12.39	
For 3 Hour Rated, Add	11.01	
For Damper Blades Outside Air Stream, Add	16.52	
23 33 13 16-0113 EA 48" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	156.22	32.51
For Horizontal, Add	8.79	
For Dynamic Damper, Add	13.18	
For 3 Hour Rated, Add	11.71	
For Damper Blades Outside Air Stream, Add	17.57	
23 33 13 16-0114 EA 48" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	170.67	35.74
For Horizontal, Add	9.49	
For Dynamic Damper, Add	14.23	
For 3 Hour Rated, Add	12.65	
For Damper Blades Outside Air Stream, Add	18.98	
23 33 13 16-0115 EA 48" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	185.12	39.06
For Horizontal, Add	10.19	
For Dynamic Damper, Add	15.29	
For 3 Hour Rated, Add	13.59	
For Damper Blades Outside Air Stream, Add	20.38	
23 33 13 16-0116 EA 48" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	201.92	42.28
For Horizontal, Add	11.25	
For Dynamic Damper, Add	16.87	
For 3 Hour Rated, Add	14.99	
For Damper Blades Outside Air Stream, Add	22.49	
23 33 13 16-0117 EA 48" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	218.70	45.51
For Horizontal, Add	12.30	
For Dynamic Damper, Add	18.45	
For 3 Hour Rated, Add	16.40	
For Damper Blades Outside Air Stream, Add	24.60	
23 33 13 16-0118 EA 48" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	239.01	48.83
For Horizontal, Add	13.88	
For Dynamic Damper, Add	20.82	
For 3 Hour Rated, Add	18.51	
For Damper Blades Outside Air Stream, Add	27.76	
23 33 13 16-0119 EA 48" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	261.66	52.05
For Horizontal, Add	15.81	
For Dynamic Damper, Add	23.72	
For 3 Hour Rated, Add	21.08	
For Damper Blades Outside Air Stream, Add	31.62	
23 33 13 16-0120 EA 48" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	277.10	53.61
For Horizontal, Add	17.40	
For Dynamic Damper, Add	26.09	
For 3 Hour Rated, Add	23.19	
For Damper Blades Outside Air Stream, Add	34.79	
23 33 13 16-0121 EA 48" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	296.02	55.27
For Horizontal, Add	19.50	
For Dynamic Damper, Add	29.25	
For 3 Hour Rated, Add	26.00	
For Damper Blades Outside Air Stream, Add	39.00	
23 33 13 16-0122 EA 48" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	316.34	58.49
For Horizontal, Add	21.08	
For Dynamic Damper, Add	31.63	
For 3 Hour Rated, Add	28.11	
For Damper Blades Outside Air Stream, Add	42.17	
23 33 13 16-0123 EA 48" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	335.28	60.16
For Horizontal, Add	23.19	
For Dynamic Damper, Add	34.79	
For 3 Hour Rated, Add	30.92	
For Damper Blades Outside Air Stream, Add	46.39	
23 33 13 16-0124 EA 48" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	359.28	65.04
For Horizontal, Add	24.60	
For Dynamic Damper, Add	36.90	
For 3 Hour Rated, Add	32.80	
For Damper Blades Outside Air Stream, Add	49.19	
23 33 13 16-0125 EA 52" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	135.71	27.63
For Horizontal, Add	7.91	
For Dynamic Damper, Add	11.86	
For 3 Hour Rated, Add	10.54	
For Damper Blades Outside Air Stream, Add	15.81	
23 33 13 16-0126 EA 52" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	145.28	29.30
For Horizontal, Add	8.61	
For Dynamic Damper, Add	12.92	
For 3 Hour Rated, Add	11.48	
For Damper Blades Outside Air Stream, Add	17.22	
23 33 13 16-0127 EA 52" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	159.73	32.51
For Horizontal, Add	9.31	
For Dynamic Damper, Add	13.97	
For 3 Hour Rated, Add	12.42	
For Damper Blades Outside Air Stream, Add	18.62	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Air Distribution			23 30	
Air Duct Accessories			23 33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0128	EA		52" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	170.67	35.74
			For Horizontal, Add	9.49	
			For Dynamic Damper, Add	14.23	
			For 3 Hour Rated, Add	12.65	
			For Damper Blades Outside Air Stream, Add	18.98	
23 33 13 16-0129	EA		52" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	185.71	39.06
			For Horizontal, Add	10.28	
			For Dynamic Damper, Add	15.42	
			For 3 Hour Rated, Add	13.71	
			For Damper Blades Outside Air Stream, Add	20.56	
23 33 13 16-0130	EA		52" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	200.75	42.28
			For Horizontal, Add	11.07	
			For Dynamic Damper, Add	16.61	
			For 3 Hour Rated, Add	14.76	
			For Damper Blades Outside Air Stream, Add	22.14	
23 33 13 16-0131	EA		52" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	217.54	45.51
			For Horizontal, Add	12.12	
			For Dynamic Damper, Add	18.19	
			For 3 Hour Rated, Add	16.17	
			For Damper Blades Outside Air Stream, Add	24.25	
23 33 13 16-0132	EA		52" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	234.33	48.83
			For Horizontal, Add	13.18	
			For Dynamic Damper, Add	19.77	
			For 3 Hour Rated, Add	17.57	
			For Damper Blades Outside Air Stream, Add	26.36	
23 33 13 16-0133	EA		52" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	254.64	52.05
			For Horizontal, Add	14.76	
			For Dynamic Damper, Add	22.14	
			For 3 Hour Rated, Add	19.68	
			For Damper Blades Outside Air Stream, Add	29.52	
23 33 13 16-0134	EA		52" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	278.46	55.27
			For Horizontal, Add	16.87	
			For Dynamic Damper, Add	25.30	
			For 3 Hour Rated, Add	22.49	
			For Damper Blades Outside Air Stream, Add	33.74	
23 33 13 16-0135	EA		52" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	295.05	56.93
			For Horizontal, Add	18.62	
			For Dynamic Damper, Add	27.93	
			For 3 Hour Rated, Add	24.83	
			For Damper Blades Outside Air Stream, Add	37.25	
23 33 13 16-0136	EA		52" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	315.17	58.49
			For Horizontal, Add	20.91	
			For Dynamic Damper, Add	31.36	
			For 3 Hour Rated, Add	27.88	
			For Damper Blades Outside Air Stream, Add	41.82	
23 33 13 16-0137	EA		52" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	338.97	61.81
			For Horizontal, Add	23.01	
			For Dynamic Damper, Add	34.52	
			For 3 Hour Rated, Add	30.69	
			For Damper Blades Outside Air Stream, Add	46.03	
23 33 13 16-0138	EA		52" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	359.28	65.04
			For Horizontal, Add	24.60	
			For Dynamic Damper, Add	36.90	
			For 3 Hour Rated, Add	32.80	
			For Damper Blades Outside Air Stream, Add	49.19	
23 33 13 16-0139	EA		52" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	387.99	69.92
			For Horizontal, Add	26.71	
			For Dynamic Damper, Add	40.06	
			For 3 Hour Rated, Add	35.61	
			For Damper Blades Outside Air Stream, Add	53.41	
23 33 13 16-0140	EA		52" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	409.47	73.14
			For Horizontal, Add	28.46	
			For Dynamic Damper, Add	42.69	
			For 3 Hour Rated, Add	37.95	
			For Damper Blades Outside Air Stream, Add	56.93	
23 33 13 16-0141	EA		56" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	142.94	29.30
			For Horizontal, Add	8.26	
			For Dynamic Damper, Add	12.39	
			For 3 Hour Rated, Add	11.01	
			For Damper Blades Outside Air Stream, Add	16.52	
23 33 13 16-0142	EA		56" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	158.56	32.51
			For Horizontal, Add	9.14	
			For Dynamic Damper, Add	13.70	
			For 3 Hour Rated, Add	12.18	
			For Damper Blades Outside Air Stream, Add	18.27	
23 33 13 16-0143	EA		56" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	171.85	35.74
			For Horizontal, Add	9.66	
			For Dynamic Damper, Add	14.50	
			For 3 Hour Rated, Add	12.89	
			For Damper Blades Outside Air Stream, Add	19.33	
23 33 13 16-0144	EA		56" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	182.77	39.06
			For Horizontal, Add	9.84	
			For Dynamic Damper, Add	14.76	
			For 3 Hour Rated, Add	13.12	
			For Damper Blades Outside Air Stream, Add	19.68	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0145	EA	56" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	198.99	42.28
		For Horizontal, Add	10.81	
		For Dynamic Damper, Add	16.21	
		For 3 Hour Rated, Add	14.41	
		For Damper Blades Outside Air Stream, Add	21.61	
23 33 13 16-0146	EA	56" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	215.19	45.51
		For Horizontal, Add	11.77	
		For Dynamic Damper, Add	17.66	
		For 3 Hour Rated, Add	15.70	
		For Damper Blades Outside Air Stream, Add	23.54	
23 33 13 16-0147	EA	56" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	231.40	48.83
		For Horizontal, Add	12.74	
		For Dynamic Damper, Add	19.11	
		For 3 Hour Rated, Add	16.98	
		For Damper Blades Outside Air Stream, Add	25.48	
23 33 13 16-0148	EA	56" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	247.61	52.05
		For Horizontal, Add	13.70	
		For Dynamic Damper, Add	20.56	
		For 3 Hour Rated, Add	18.27	
		For Damper Blades Outside Air Stream, Add	27.41	
23 33 13 16-0149	EA	56" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	271.42	55.27
		For Horizontal, Add	15.81	
		For Dynamic Damper, Add	23.72	
		For 3 Hour Rated, Add	21.08	
		For Damper Blades Outside Air Stream, Add	31.62	
23 33 13 16-0150	EA	56" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	290.38	56.93
		For Horizontal, Add	17.92	
		For Dynamic Damper, Add	26.88	
		For 3 Hour Rated, Add	23.90	
		For Damper Blades Outside Air Stream, Add	35.84	
23 33 13 16-0151	EA	56" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	308.14	58.49
		For Horizontal, Add	19.85	
		For Dynamic Damper, Add	29.78	
		For 3 Hour Rated, Add	26.47	
		For Damper Blades Outside Air Stream, Add	39.71	
23 33 13 16-0152	EA	56" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	334.30	61.81
		For Horizontal, Add	22.31	
		For Dynamic Damper, Add	33.47	
		For 3 Hour Rated, Add	29.75	
		For Damper Blades Outside Air Stream, Add	44.63	
23 33 13 16-0153	EA	56" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	358.11	65.04
		For Horizontal, Add	24.42	
		For Dynamic Damper, Add	36.63	
		For 3 Hour Rated, Add	32.56	
		For Damper Blades Outside Air Stream, Add	48.84	
23 33 13 16-0154	EA	56" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	383.11	68.26
		For Horizontal, Add	26.71	
		For Dynamic Damper, Add	40.06	
		For 3 Hour Rated, Add	35.61	
		For Damper Blades Outside Air Stream, Add	53.41	
23 33 13 16-0155	EA	56" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	404.58	71.58
		For Horizontal, Add	28.46	
		For Dynamic Damper, Add	42.69	
		For 3 Hour Rated, Add	37.95	
		For Damper Blades Outside Air Stream, Add	56.93	
23 33 13 16-0156	EA	56" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	429.58	74.80
		For Horizontal, Add	30.75	
		For Dynamic Damper, Add	46.12	
		For 3 Hour Rated, Add	41.00	
		For Damper Blades Outside Air Stream, Add	61.49	
23 33 13 16-0157	EA	56" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	454.57	78.02
		For Horizontal, Add	33.03	
		For Dynamic Damper, Add	49.55	
		For 3 Hour Rated, Add	44.04	
		For Damper Blades Outside Air Stream, Add	66.06	
23 33 13 16-0158	EA	60" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	156.22	32.51
		For Horizontal, Add	8.79	
		For Dynamic Damper, Add	13.18	
		For 3 Hour Rated, Add	11.71	
		For Damper Blades Outside Air Stream, Add	17.57	
23 33 13 16-0159	EA	60" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	171.85	35.74
		For Horizontal, Add	9.66	
		For Dynamic Damper, Add	14.50	
		For 3 Hour Rated, Add	12.89	
		For Damper Blades Outside Air Stream, Add	19.33	
23 33 13 16-0160	EA	60" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	183.95	39.06
		For Horizontal, Add	10.02	
		For Dynamic Damper, Add	15.02	
		For 3 Hour Rated, Add	13.35	
		For Damper Blades Outside Air Stream, Add	20.03	
23 33 13 16-0161	EA	60" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	194.89	42.28
		For Horizontal, Add	10.19	
		For Dynamic Damper, Add	15.29	
		For 3 Hour Rated, Add	13.59	
		For Damper Blades Outside Air Stream, Add	20.38	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Air Distribution			23 30	
Air Duct Accessories			23 33	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0162	EA	60" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	211.68	45.51
		For Horizontal, Add	11.25	
		For Dynamic Damper, Add	16.87	
		For 3 Hour Rated, Add	14.99	
		For Damper Blades Outside Air Stream, Add	22.49	
23 33 13 16-0163	EA	60" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	228.47	48.83
		For Horizontal, Add	12.30	
		For Dynamic Damper, Add	18.45	
		For 3 Hour Rated, Add	16.40	
		For Damper Blades Outside Air Stream, Add	24.60	
23 33 13 16-0164	EA	60" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	245.86	52.05
		For Horizontal, Add	13.44	
		For Dynamic Damper, Add	20.16	
		For 3 Hour Rated, Add	17.92	
		For Damper Blades Outside Air Stream, Add	26.88	
23 33 13 16-0165	EA	60" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	263.23	55.27
		For Horizontal, Add	14.58	
		For Dynamic Damper, Add	21.87	
		For 3 Hour Rated, Add	19.44	
		For Damper Blades Outside Air Stream, Add	29.17	
23 33 13 16-0166	EA	60" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	283.35	56.93
		For Horizontal, Add	16.87	
		For Dynamic Damper, Add	25.30	
		For 3 Hour Rated, Add	22.49	
		For Damper Blades Outside Air Stream, Add	33.74	
23 33 13 16-0167	EA	60" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	302.28	58.49
		For Horizontal, Add	18.98	
		For Dynamic Damper, Add	28.46	
		For 3 Hour Rated, Add	25.30	
		For Damper Blades Outside Air Stream, Add	37.95	
23 33 13 16-0168	EA	60" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	327.28	61.81
		For Horizontal, Add	21.26	
		For Dynamic Damper, Add	31.89	
		For 3 Hour Rated, Add	28.35	
		For Damper Blades Outside Air Stream, Add	42.52	
23 33 13 16-0169	EA	60" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	352.26	65.04
		For Horizontal, Add	23.54	
		For Dynamic Damper, Add	35.32	
		For 3 Hour Rated, Add	31.39	
		For Damper Blades Outside Air Stream, Add	47.09	
23 33 13 16-0170	EA	60" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	373.74	68.26
		For Horizontal, Add	25.30	
		For Dynamic Damper, Add	37.95	
		For 3 Hour Rated, Add	33.73	
		For Damper Blades Outside Air Stream, Add	50.60	
23 33 13 16-0171	EA	60" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	402.24	71.58
		For Horizontal, Add	28.11	
		For Dynamic Damper, Add	42.17	
		For 3 Hour Rated, Add	37.48	
		For Damper Blades Outside Air Stream, Add	56.22	
23 33 13 16-0172	EA	60" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	428.41	74.80
		For Horizontal, Add	30.57	
		For Dynamic Damper, Add	45.86	
		For 3 Hour Rated, Add	40.76	
		For Damper Blades Outside Air Stream, Add	61.14	
23 33 13 16-0173	EA	60" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	454.57	78.02
		For Horizontal, Add	33.03	
		For Dynamic Damper, Add	49.55	
		For 3 Hour Rated, Add	44.04	
		For Damper Blades Outside Air Stream, Add	66.06	
23 33 13 16-0174	EA	60" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	478.38	81.34
		For Horizontal, Add	35.14	
		For Dynamic Damper, Add	52.71	
		For 3 Hour Rated, Add	46.85	
		For Damper Blades Outside Air Stream, Add	70.28	
23 33 13 16-0175	EA	60" x 60" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	502.22	84.57
		For Horizontal, Add	37.25	
		For Dynamic Damper, Add	55.87	
		For 3 Hour Rated, Add	49.66	
		For Damper Blades Outside Air Stream, Add	74.50	
23 33 13 16-0176		Parallel Blade Louver Fire Damper (23 33 13 16)		
		Note: UL listed. Galvanized steel construction with fusible link 160 F spring actuated 1-1/2 hour fire rating.		
23 33 13 16-0177	EA	6" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	66.45	10.84
		For Horizontal, Add	5.09	
		For Dynamic Damper, Add	7.64	
		For 3 Hour Rated, Add	6.79	
23 33 13 16-0178	EA	8" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	69.38	11.33
		For Horizontal, Add	5.31	
		For Dynamic Damper, Add	7.96	
		For 3 Hour Rated, Add	7.08	
23 33 13 16-0179	EA	8" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	71.04	11.42
		For Horizontal, Add	5.53	
		For Dynamic Damper, Add	8.29	
		For 3 Hour Rated, Add	7.37	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0180	EA	10" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	71.04	11.42
		For Horizontal, Add	5.53	
		For Dynamic Damper, Add	8.29	
		For 3 Hour Rated, Add	7.37	
23 33 13 16-0181	EA	10" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	73.49	11.72
		For Horizontal, Add	5.75	
		For Dynamic Damper, Add	8.62	
		For 3 Hour Rated, Add	7.67	
23 33 13 16-0182	EA	10" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	80.31	12.99
		For Horizontal, Add	6.19	
		For Dynamic Damper, Add	9.28	
		For 3 Hour Rated, Add	8.25	
23 33 13 16-0183	EA	12" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	73.49	11.72
		For Horizontal, Add	5.75	
		For Dynamic Damper, Add	8.62	
		For 3 Hour Rated, Add	7.67	
23 33 13 16-0184	EA	12" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	78.36	12.40
		For Horizontal, Add	6.19	
		For Dynamic Damper, Add	9.28	
		For 3 Hour Rated, Add	8.25	
23 33 13 16-0185	EA	12" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	81.78	12.99
		For Horizontal, Add	6.41	
		For Dynamic Damper, Add	9.61	
		For 3 Hour Rated, Add	8.54	
23 33 13 16-0186	EA	12" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	88.13	14.65
		For Horizontal, Add	6.63	
		For Dynamic Damper, Add	9.94	
		For 3 Hour Rated, Add	8.84	
23 33 13 16-0187	EA	14" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	77.63	12.40
		For Horizontal, Add	6.08	
		For Dynamic Damper, Add	9.12	
		For 3 Hour Rated, Add	8.10	
23 33 13 16-0188	EA	14" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	81.78	12.99
		For Horizontal, Add	6.41	
		For Dynamic Damper, Add	9.61	
		For 3 Hour Rated, Add	8.54	
23 33 13 16-0189	EA	14" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	85.19	13.67
		For Horizontal, Add	6.63	
		For Dynamic Damper, Add	9.94	
		For 3 Hour Rated, Add	8.84	
23 33 13 16-0190	EA	14" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	89.59	14.65
		For Horizontal, Add	6.85	
		For Dynamic Damper, Add	10.27	
		For 3 Hour Rated, Add	9.13	
23 33 13 16-0191	EA	14" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	98.14	16.31
		For Horizontal, Add	7.40	
		For Dynamic Damper, Add	11.09	
		For 3 Hour Rated, Add	9.86	
23 33 13 16-0192	EA	16" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	98.72	12.99
		For Horizontal, Add	8.95	
		For Dynamic Damper, Add	13.42	
		For 3 Hour Rated, Add	11.93	
23 33 13 16-0193	EA	16" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	103.29	13.96
		For Horizontal, Add	9.20	
		For Dynamic Damper, Add	13.79	
		For 3 Hour Rated, Add	12.26	
23 33 13 16-0194	EA	16" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	108.84	15.33
		For Horizontal, Add	9.44	
		For Dynamic Damper, Add	14.16	
		For 3 Hour Rated, Add	12.59	
23 33 13 16-0195	EA	16" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	113.41	16.31
		For Horizontal, Add	9.69	
		For Dynamic Damper, Add	14.53	
		For 3 Hour Rated, Add	12.92	
23 33 13 16-0196	EA	16" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	122.40	17.87
		For Horizontal, Add	10.30	
		For Dynamic Damper, Add	15.46	
		For 3 Hour Rated, Add	13.74	
23 33 13 16-0197	EA	16" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	131.39	19.53
		For Horizontal, Add	10.92	
		For Dynamic Damper, Add	16.38	
		For 3 Hour Rated, Add	14.56	
23 33 13 16-0198	EA	18" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	102.31	13.67
		For Horizontal, Add	9.20	
		For Dynamic Damper, Add	13.79	
		For 3 Hour Rated, Add	12.26	
23 33 13 16-0199	EA	18" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	107.71	14.65
		For Horizontal, Add	9.56	
		For Dynamic Damper, Add	14.35	
		For 3 Hour Rated, Add	12.75	
23 33 13 16-0200	EA	18" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	115.07	16.31
		For Horizontal, Add	9.94	
		For Dynamic Damper, Add	14.90	
		For 3 Hour Rated, Add	13.25	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
Air Duct Accessories			23 33

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0201	EA	18" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	124.04	17.87	
		For Horizontal, Add	10.55		
		For Dynamic Damper, Add	15.82		
		For 3 Hour Rated, Add	14.07		
23 33 13 16-0202	EA	18" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	132.21	19.53	
		For Horizontal, Add	11.04		
		For Dynamic Damper, Add	16.56		
		For 3 Hour Rated, Add	14.72		
23 33 13 16-0203	EA	18" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	141.18	21.09	
		For Horizontal, Add	11.66		
		For Dynamic Damper, Add	17.48		
		For 3 Hour Rated, Add	15.54		
23 33 13 16-0204	EA	18" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	148.52	22.75	
		For Horizontal, Add	12.03		
		For Dynamic Damper, Add	18.04		
		For 3 Hour Rated, Add	16.03		
23 33 13 16-0205	EA	20" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	106.90	14.65	
		For Horizontal, Add	9.44		
		For Dynamic Damper, Add	14.16		
		For 3 Hour Rated, Add	12.59		
23 33 13 16-0206	EA	20" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	115.05	16.31	
		For Horizontal, Add	9.93		
		For Dynamic Damper, Add	14.90		
		For 3 Hour Rated, Add	13.24		
23 33 13 16-0207	EA	20" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	123.22	17.87	
		For Horizontal, Add	10.43		
		For Dynamic Damper, Add	15.64		
		For 3 Hour Rated, Add	13.90		
23 33 13 16-0208	EA	20" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	134.68	19.53	
		For Horizontal, Add	11.41		
		For Dynamic Damper, Add	17.12		
		For 3 Hour Rated, Add	15.22		
23 33 13 16-0209	EA	20" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	142.01	21.09	
		For Horizontal, Add	11.78		
		For Dynamic Damper, Add	17.67		
		For 3 Hour Rated, Add	15.71		
23 33 13 16-0210	EA	20" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	149.34	22.75	
		For Horizontal, Add	12.15		
		For Dynamic Damper, Add	18.22		
		For 3 Hour Rated, Add	16.20		
23 33 13 16-0211	EA	20" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	157.51	24.42	
		For Horizontal, Add	12.64		
		For Dynamic Damper, Add	18.96		
		For 3 Hour Rated, Add	16.85		
23 33 13 16-0212	EA	20" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	165.66	25.97	
		For Horizontal, Add	13.13		
		For Dynamic Damper, Add	19.70		
		For 3 Hour Rated, Add	17.51		
23 33 13 16-0213	EA	24" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	130.13	16.31	
		For Horizontal, Add	12.20		
		For Dynamic Damper, Add	18.29		
		For 3 Hour Rated, Add	16.26		
23 33 13 16-0214	EA	24" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	139.94	17.87	
		For Horizontal, Add	12.93		
		For Dynamic Damper, Add	19.40		
		For 3 Hour Rated, Add	17.25		
23 33 13 16-0215	EA	24" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	148.12	19.53	
		For Horizontal, Add	13.43		
		For Dynamic Damper, Add	20.14		
		For 3 Hour Rated, Add	17.90		
23 33 13 16-0216	EA	24" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	157.89	21.09	
		For Horizontal, Add	14.16		
		For Dynamic Damper, Add	21.24		
		For 3 Hour Rated, Add	18.88		
23 33 13 16-0217	EA	24" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	165.24	22.75	
		For Horizontal, Add	14.53		
		For Dynamic Damper, Add	21.80		
		For 3 Hour Rated, Add	19.38		
23 33 13 16-0218	EA	24" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	172.58	24.42	
		For Horizontal, Add	14.90		
		For Dynamic Damper, Add	22.35		
		For 3 Hour Rated, Add	19.87		
23 33 13 16-0219	EA	24" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	182.38	25.97	
		For Horizontal, Add	15.64		
		For Dynamic Damper, Add	23.46		
		For 3 Hour Rated, Add	20.85		
23 33 13 16-0220	EA	24" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	197.06	29.30	
		For Horizontal, Add	16.38		
		For Dynamic Damper, Add	24.57		
		For 3 Hour Rated, Add	21.84		
23 33 13 16-0221	EA	24" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	213.39	32.51	
		For Horizontal, Add	17.36		
		For Dynamic Damper, Add	26.04		
		For 3 Hour Rated, Add	23.15		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0222	EA	28" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	139.94	17.87
		For Horizontal, Add	12.93	
		For Dynamic Damper, Add	19.40	
		For 3 Hour Rated, Add	17.25	
23 33 13 16-0223	EA	28" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	148.12	19.53
		For Horizontal, Add	13.43	
		For Dynamic Damper, Add	20.14	
		For 3 Hour Rated, Add	17.90	
23 33 13 16-0224	EA	28" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	157.89	21.09
		For Horizontal, Add	14.16	
		For Dynamic Damper, Add	21.24	
		For 3 Hour Rated, Add	18.88	
23 33 13 16-0225	EA	28" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	166.05	22.75
		For Horizontal, Add	14.66	
		For Dynamic Damper, Add	21.98	
		For 3 Hour Rated, Add	19.54	
23 33 13 16-0226	EA	28" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	175.05	24.42
		For Horizontal, Add	15.27	
		For Dynamic Damper, Add	22.91	
		For 3 Hour Rated, Add	20.36	
23 33 13 16-0227	EA	28" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	184.01	25.97
		For Horizontal, Add	15.88	
		For Dynamic Damper, Add	23.83	
		For 3 Hour Rated, Add	21.18	
23 33 13 16-0228	EA	28" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	198.70	29.30
		For Horizontal, Add	16.62	
		For Dynamic Damper, Add	24.93	
		For 3 Hour Rated, Add	22.16	
23 33 13 16-0229	EA	28" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	213.39	32.51
		For Horizontal, Add	17.36	
		For Dynamic Damper, Add	26.04	
		For 3 Hour Rated, Add	23.15	
23 33 13 16-0230	EA	28" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	228.11	34.18
		For Horizontal, Add	18.84	
		For Dynamic Damper, Add	28.26	
		For 3 Hour Rated, Add	25.12	
23 33 13 16-0231	EA	28" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	246.08	37.40
		For Horizontal, Add	20.07	
		For Dynamic Damper, Add	30.10	
		For 3 Hour Rated, Add	26.76	
23 33 13 16-0232	EA	32" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	153.02	19.53
		For Horizontal, Add	14.16	
		For Dynamic Damper, Add	21.24	
		For 3 Hour Rated, Add	18.88	
23 33 13 16-0233	EA	32" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	159.52	21.09
		For Horizontal, Add	14.41	
		For Dynamic Damper, Add	21.61	
		For 3 Hour Rated, Add	19.21	
23 33 13 16-0234	EA	32" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	166.05	22.75
		For Horizontal, Add	14.66	
		For Dynamic Damper, Add	21.98	
		For 3 Hour Rated, Add	19.54	
23 33 13 16-0235	EA	32" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	174.21	24.42
		For Horizontal, Add	15.15	
		For Dynamic Damper, Add	22.72	
		For 3 Hour Rated, Add	20.19	
23 33 13 16-0236	EA	32" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	184.32	25.97
		For Horizontal, Add	15.93	
		For Dynamic Damper, Add	23.90	
		For 3 Hour Rated, Add	21.24	
23 33 13 16-0237	EA	32" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	198.70	29.30
		For Horizontal, Add	16.62	
		For Dynamic Damper, Add	24.93	
		For 3 Hour Rated, Add	22.16	
23 33 13 16-0238	EA	32" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	215.04	32.51
		For Horizontal, Add	17.61	
		For Dynamic Damper, Add	26.41	
		For 3 Hour Rated, Add	23.48	
23 33 13 16-0239	EA	32" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	231.37	35.74
		For Horizontal, Add	18.59	
		For Dynamic Damper, Add	27.89	
		For 3 Hour Rated, Add	24.79	
23 33 13 16-0240	EA	32" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	246.08	37.40
		For Horizontal, Add	20.07	
		For Dynamic Damper, Add	30.10	
		For 3 Hour Rated, Add	26.76	
23 33 13 16-0241	EA	32" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	265.37	40.03
		For Horizontal, Add	21.79	
		For Dynamic Damper, Add	32.68	
		For 3 Hour Rated, Add	29.05	
23 33 13 16-0242	EA	32" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	285.33	42.28
		For Horizontal, Add	23.76	
		For Dynamic Damper, Add	35.64	
		For 3 Hour Rated, Add	31.68	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
Air Duct Accessories			23 33

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0243	EA		36" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	171.25	21.09
			For Horizontal, Add	16.17	
			For Dynamic Damper, Add	24.25	
			For 3 Hour Rated, Add	21.56	
23 33 13 16-0244	EA		36" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	179.86	22.75
			For Horizontal, Add	16.73	
			For Dynamic Damper, Add	25.09	
			For 3 Hour Rated, Add	22.30	
23 33 13 16-0245	EA		36" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	188.50	24.42
			For Horizontal, Add	17.29	
			For Dynamic Damper, Add	25.93	
			For 3 Hour Rated, Add	23.05	
23 33 13 16-0246	EA		36" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	199.01	25.97
			For Horizontal, Add	18.13	
			For Dynamic Damper, Add	27.20	
			For 3 Hour Rated, Add	24.18	
23 33 13 16-0247	EA		36" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	211.59	29.30
			For Horizontal, Add	18.56	
			For Dynamic Damper, Add	27.83	
			For 3 Hour Rated, Add	24.74	
23 33 13 16-0248	EA		36" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	219.30	30.86
			For Horizontal, Add	18.98	
			For Dynamic Damper, Add	28.47	
			For 3 Hour Rated, Add	25.31	
23 33 13 16-0249	EA		36" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	243.32	35.74
			For Horizontal, Add	20.39	
			For Dynamic Damper, Add	30.58	
			For 3 Hour Rated, Add	27.18	
23 33 13 16-0250	EA		36" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	262.44	39.06
			For Horizontal, Add	21.79	
			For Dynamic Damper, Add	32.68	
			For 3 Hour Rated, Add	29.05	
23 33 13 16-0251	EA		36" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	277.60	40.33
			For Horizontal, Add	23.48	
			For Dynamic Damper, Add	35.21	
			For 3 Hour Rated, Add	31.30	
23 33 13 16-0252	EA		36" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	301.36	43.26
			For Horizontal, Add	25.72	
			For Dynamic Damper, Add	38.59	
			For 3 Hour Rated, Add	34.30	
23 33 13 16-0253	EA		36" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	321.31	45.51
			For Horizontal, Add	27.69	
			For Dynamic Damper, Add	41.54	
			For 3 Hour Rated, Add	36.92	
23 33 13 16-0254	EA		36" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	341.20	47.16
			For Horizontal, Add	29.94	
			For Dynamic Damper, Add	44.91	
			For 3 Hour Rated, Add	39.92	
23 33 13 16-0255	EA		40" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	191.43	24.42
			For Horizontal, Add	18.46	
			For Dynamic Damper, Add	27.69	
			For 3 Hour Rated, Add	24.62	
23 33 13 16-0256	EA		40" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	203.82	25.97
			For Horizontal, Add	19.59	
			For Dynamic Damper, Add	29.38	
			For 3 Hour Rated, Add	26.12	
23 33 13 16-0257	EA		40" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	210.57	27.63
			For Horizontal, Add	19.87	
			For Dynamic Damper, Add	29.80	
			For 3 Hour Rated, Add	26.49	
23 33 13 16-0258	EA		40" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	217.33	29.30
			For Horizontal, Add	20.15	
			For Dynamic Damper, Add	30.22	
			For 3 Hour Rated, Add	26.87	
23 33 13 16-0259	EA		40" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	233.66	30.86
			For Horizontal, Add	21.13	
			For Dynamic Damper, Add	31.70	
			For 3 Hour Rated, Add	28.18	
23 33 13 16-0260	EA		40" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	245.10	32.51
			For Horizontal, Add	22.12	
			For Dynamic Damper, Add	33.18	
			For 3 Hour Rated, Add	29.49	
23 33 13 16-0261	EA		40" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	267.25	37.40
			For Horizontal, Add	23.24	
			For Dynamic Damper, Add	34.86	
			For 3 Hour Rated, Add	30.99	
23 33 13 16-0262	EA		40" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	284.51	40.62
			For Horizontal, Add	24.37	
			For Dynamic Damper, Add	36.55	
			For 3 Hour Rated, Add	32.49	
23 33 13 16-0263	EA		40" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	303.56	43.26
			For Horizontal, Add	26.05	
			For Dynamic Damper, Add	39.08	
			For 3 Hour Rated, Add	34.74	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0264	EA	40" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	331.01	45.51
		For Horizontal, Add	29.15	
		For Dynamic Damper, Add	43.72	
		For 3 Hour Rated, Add	38.86	
23 33 13 16-0265	EA	40" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	350.06	48.14
		For Horizontal, Add	30.83	
		For Dynamic Damper, Add	46.25	
		For 3 Hour Rated, Add	41.11	
23 33 13 16-0266	EA	40" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	374.59	49.41
		For Horizontal, Add	33.92	
		For Dynamic Damper, Add	50.89	
		For 3 Hour Rated, Add	45.23	
23 33 13 16-0267	EA	40" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	401.15	52.05
		For Horizontal, Add	36.74	
		For Dynamic Damper, Add	55.10	
		For 3 Hour Rated, Add	48.98	
23 33 13 16-0268	EA	44" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	200.07	24.42
		For Horizontal, Add	19.02	
		For Dynamic Damper, Add	28.54	
		For 3 Hour Rated, Add	25.37	
23 33 13 16-0269	EA	44" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	212.45	25.97
		For Horizontal, Add	20.15	
		For Dynamic Damper, Add	30.22	
		For 3 Hour Rated, Add	26.87	
23 33 13 16-0270	EA	44" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	222.96	27.63
		For Horizontal, Add	20.99	
		For Dynamic Damper, Add	31.49	
		For 3 Hour Rated, Add	27.99	
23 33 13 16-0271	EA	44" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	229.71	29.30
		For Horizontal, Add	21.27	
		For Dynamic Damper, Add	31.91	
		For 3 Hour Rated, Add	28.37	
23 33 13 16-0272	EA	44" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	242.10	30.86
		For Horizontal, Add	22.40	
		For Dynamic Damper, Add	33.60	
		For 3 Hour Rated, Add	29.87	
23 33 13 16-0273	EA	44" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	254.48	32.51
		For Horizontal, Add	23.52	
		For Dynamic Damper, Add	35.29	
		For 3 Hour Rated, Add	31.37	
23 33 13 16-0274	EA	44" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	283.38	39.06
		For Horizontal, Add	24.93	
		For Dynamic Damper, Add	37.40	
		For 3 Hour Rated, Add	33.24	
23 33 13 16-0275	EA	44" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	302.51	42.28
		For Horizontal, Add	26.33	
		For Dynamic Damper, Add	39.50	
		For 3 Hour Rated, Add	35.11	
23 33 13 16-0276	EA	44" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	331.01	45.51
		For Horizontal, Add	29.15	
		For Dynamic Damper, Add	43.72	
		For 3 Hour Rated, Add	38.86	
23 33 13 16-0277	EA	44" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	357.65	48.83
		For Horizontal, Add	31.68	
		For Dynamic Damper, Add	47.51	
		For 3 Hour Rated, Add	42.23	
23 33 13 16-0278	EA	44" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	386.15	52.05
		For Horizontal, Add	34.49	
		For Dynamic Damper, Add	51.73	
		For 3 Hour Rated, Add	45.98	
23 33 13 16-0279	EA	44" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	407.90	53.61
		For Horizontal, Add	37.02	
		For Dynamic Damper, Add	55.52	
		For 3 Hour Rated, Add	49.35	
23 33 13 16-0280	EA	44" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	429.65	55.27
		For Horizontal, Add	39.55	
		For Dynamic Damper, Add	59.32	
		For 3 Hour Rated, Add	52.73	
23 33 13 16-0281	EA	44" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	451.42	56.93
		For Horizontal, Add	42.08	
		For Dynamic Damper, Add	63.12	
		For 3 Hour Rated, Add	56.10	
23 33 13 16-0282	EA	48" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	210.57	25.97
		For Horizontal, Add	19.87	
		For Dynamic Damper, Add	29.80	
		For 3 Hour Rated, Add	26.49	
23 33 13 16-0283	EA	48" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	222.96	27.63
		For Horizontal, Add	20.99	
		For Dynamic Damper, Add	31.49	
		For 3 Hour Rated, Add	27.99	
23 33 13 16-0284	EA	48" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	229.71	29.30
		For Horizontal, Add	21.27	
		For Dynamic Damper, Add	31.91	
		For 3 Hour Rated, Add	28.37	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
Air Duct Accessories			23 33

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0285	EA		48" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	245.10	32.51
			For Horizontal, Add	22.12	
			For Dynamic Damper, Add	33.18	
			For 3 Hour Rated, Add	29.49	
23 33 13 16-0286	EA		48" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	262.37	35.74
			For Horizontal, Add	23.24	
			For Dynamic Damper, Add	34.86	
			For 3 Hour Rated, Add	30.99	
23 33 13 16-0287	EA		48" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	279.62	39.06
			For Horizontal, Add	24.37	
			For Dynamic Damper, Add	36.55	
			For 3 Hour Rated, Add	32.49	
23 33 13 16-0288	EA		48" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	300.64	42.28
			For Horizontal, Add	26.05	
			For Dynamic Damper, Add	39.08	
			For 3 Hour Rated, Add	34.74	
23 33 13 16-0289	EA		48" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	321.64	45.51
			For Horizontal, Add	27.74	
			For Dynamic Damper, Add	41.61	
			For 3 Hour Rated, Add	36.99	
23 33 13 16-0290	EA		48" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	348.28	48.83
			For Horizontal, Add	30.27	
			For Dynamic Damper, Add	45.41	
			For 3 Hour Rated, Add	40.36	
23 33 13 16-0291	EA		48" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	378.65	52.05
			For Horizontal, Add	33.36	
			For Dynamic Damper, Add	50.04	
			For 3 Hour Rated, Add	44.48	
23 33 13 16-0292	EA		48" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	400.42	53.61
			For Horizontal, Add	35.89	
			For Dynamic Damper, Add	53.84	
			For 3 Hour Rated, Add	47.86	
23 33 13 16-0293	EA		48" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	427.77	55.27
			For Horizontal, Add	39.26	
			For Dynamic Damper, Add	58.90	
			For 3 Hour Rated, Add	52.35	
23 33 13 16-0294	EA		48" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	454.42	58.49
			For Horizontal, Add	41.80	
			For Dynamic Damper, Add	62.69	
			For 3 Hour Rated, Add	55.73	
23 33 13 16-0295	EA		48" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	481.79	60.16
			For Horizontal, Add	45.17	
			For Dynamic Damper, Add	67.75	
			For 3 Hour Rated, Add	60.23	
23 33 13 16-0296	EA		48" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	511.42	65.04
			For Horizontal, Add	47.42	
			For Dynamic Damper, Add	71.13	
			For 3 Hour Rated, Add	63.22	
23 33 13 16-0297	EA		52" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	221.08	27.63
			For Horizontal, Add	20.71	
			For Dynamic Damper, Add	31.07	
			For 3 Hour Rated, Add	27.62	
23 33 13 16-0298	EA		52" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	233.46	29.30
			For Horizontal, Add	21.84	
			For Dynamic Damper, Add	32.76	
			For 3 Hour Rated, Add	29.12	
23 33 13 16-0299	EA		52" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	250.73	32.51
			For Horizontal, Add	22.96	
			For Dynamic Damper, Add	34.44	
			For 3 Hour Rated, Add	30.62	
23 33 13 16-0300	EA		52" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	262.37	35.74
			For Horizontal, Add	23.24	
			For Dynamic Damper, Add	34.86	
			For 3 Hour Rated, Add	30.99	
23 33 13 16-0301	EA		52" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	280.57	39.06
			For Horizontal, Add	24.51	
			For Dynamic Damper, Add	36.76	
			For 3 Hour Rated, Add	32.68	
23 33 13 16-0302	EA		52" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	298.76	42.28
			For Horizontal, Add	25.77	
			For Dynamic Damper, Add	38.66	
			For 3 Hour Rated, Add	34.36	
23 33 13 16-0303	EA		52" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	319.77	45.51
			For Horizontal, Add	27.46	
			For Dynamic Damper, Add	41.19	
			For 3 Hour Rated, Add	36.61	
23 33 13 16-0304	EA		52" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	340.78	48.83
			For Horizontal, Add	29.15	
			For Dynamic Damper, Add	43.72	
			For 3 Hour Rated, Add	38.86	
23 33 13 16-0305	EA		52" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	367.42	52.05
			For Horizontal, Add	31.68	
			For Dynamic Damper, Add	47.51	
			For 3 Hour Rated, Add	42.23	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0306	EA	52" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	399.66	55.27
		For Horizontal, Add	35.05	
		For Dynamic Damper, Add	52.57	
		For 3 Hour Rated, Add	46.73	
23 33 13 16-0307	EA	52" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	423.29	56.93
		For Horizontal, Add	37.86	
		For Dynamic Damper, Add	56.79	
		For 3 Hour Rated, Add	50.48	
23 33 13 16-0308	EA	52" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	452.54	58.49
		For Horizontal, Add	41.51	
		For Dynamic Damper, Add	62.27	
		For 3 Hour Rated, Add	55.35	
23 33 13 16-0309	EA	52" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	484.78	61.81
		For Horizontal, Add	44.89	
		For Dynamic Damper, Add	67.33	
		For 3 Hour Rated, Add	59.85	
23 33 13 16-0310	EA	52" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	511.42	65.04
		For Horizontal, Add	47.42	
		For Dynamic Damper, Add	71.13	
		For 3 Hour Rated, Add	63.22	
23 33 13 16-0311	EA	52" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	548.55	69.92
		For Horizontal, Add	50.79	
		For Dynamic Damper, Add	76.19	
		For 3 Hour Rated, Add	67.72	
23 33 13 16-0312	EA	52" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	577.07	73.14
		For Horizontal, Add	53.60	
		For Dynamic Damper, Add	80.40	
		For 3 Hour Rated, Add	71.47	
23 33 13 16-0313	EA	56" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	229.71	29.30
		For Horizontal, Add	21.27	
		For Dynamic Damper, Add	31.91	
		For 3 Hour Rated, Add	28.37	
23 33 13 16-0314	EA	56" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	248.84	32.51
		For Horizontal, Add	22.68	
		For Dynamic Damper, Add	34.02	
		For 3 Hour Rated, Add	30.24	
23 33 13 16-0315	EA	56" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	264.25	35.74
		For Horizontal, Add	23.52	
		For Dynamic Damper, Add	35.29	
		For 3 Hour Rated, Add	31.37	
23 33 13 16-0316	EA	56" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	275.87	39.06
		For Horizontal, Add	23.80	
		For Dynamic Damper, Add	35.71	
		For 3 Hour Rated, Add	31.74	
23 33 13 16-0317	EA	56" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	295.96	42.28
		For Horizontal, Add	25.35	
		For Dynamic Damper, Add	38.03	
		For 3 Hour Rated, Add	33.80	
23 33 13 16-0318	EA	56" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	316.02	45.51
		For Horizontal, Add	26.90	
		For Dynamic Damper, Add	40.34	
		For 3 Hour Rated, Add	35.86	
23 33 13 16-0319	EA	56" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	336.10	48.83
		For Horizontal, Add	28.44	
		For Dynamic Damper, Add	42.66	
		For 3 Hour Rated, Add	37.92	
23 33 13 16-0320	EA	56" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	356.17	52.05
		For Horizontal, Add	29.99	
		For Dynamic Damper, Add	44.98	
		For 3 Hour Rated, Add	39.98	
23 33 13 16-0321	EA	56" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	388.41	55.27
		For Horizontal, Add	33.36	
		For Dynamic Damper, Add	50.04	
		For 3 Hour Rated, Add	44.48	
23 33 13 16-0322	EA	56" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	415.80	56.93
		For Horizontal, Add	36.74	
		For Dynamic Damper, Add	55.10	
		For 3 Hour Rated, Add	48.98	
23 33 13 16-0323	EA	56" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	441.29	58.49
		For Horizontal, Add	39.83	
		For Dynamic Damper, Add	59.74	
		For 3 Hour Rated, Add	53.10	
23 33 13 16-0324	EA	56" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	477.30	61.81
		For Horizontal, Add	43.76	
		For Dynamic Damper, Add	65.65	
		For 3 Hour Rated, Add	58.35	
23 33 13 16-0325	EA	56" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	509.54	65.04
		For Horizontal, Add	47.14	
		For Dynamic Damper, Add	70.70	
		For 3 Hour Rated, Add	62.85	
23 33 13 16-0326	EA	56" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	543.67	68.26
		For Horizontal, Add	50.79	
		For Dynamic Damper, Add	76.19	
		For 3 Hour Rated, Add	67.72	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
Air Duct Accessories			23 33

23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0327	EA		56" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	572.18	71.58
			For Horizontal, Add	53.60	
			For Dynamic Damper, Add	80.40	
			For 3 Hour Rated, Add	71.47	
23 33 13 16-0328	EA		56" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	606.31	74.80
			For Horizontal, Add	57.26	
			For Dynamic Damper, Add	85.88	
			For 3 Hour Rated, Add	76.34	
23 33 13 16-0329	EA		56" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	640.43	78.02
			For Horizontal, Add	60.91	
			For Dynamic Damper, Add	91.37	
			For 3 Hour Rated, Add	81.21	
23 33 13 16-0330	EA		60" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	245.10	32.51
			For Horizontal, Add	22.12	
			For Dynamic Damper, Add	33.18	
			For 3 Hour Rated, Add	29.49	
23 33 13 16-0331	EA		60" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	264.25	35.74
			For Horizontal, Add	23.52	
			For Dynamic Damper, Add	35.29	
			For 3 Hour Rated, Add	31.37	
23 33 13 16-0332	EA		60" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	277.74	39.06
			For Horizontal, Add	24.08	
			For Dynamic Damper, Add	36.13	
			For 3 Hour Rated, Add	32.11	
23 33 13 16-0333	EA		60" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	289.39	42.28
			For Horizontal, Add	24.37	
			For Dynamic Damper, Add	36.55	
			For 3 Hour Rated, Add	32.49	
23 33 13 16-0334	EA		60" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	310.40	45.51
			For Horizontal, Add	26.05	
			For Dynamic Damper, Add	39.08	
			For 3 Hour Rated, Add	34.74	
23 33 13 16-0335	EA		60" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	331.41	48.83
			For Horizontal, Add	27.74	
			For Dynamic Damper, Add	41.61	
			For 3 Hour Rated, Add	36.99	
23 33 13 16-0336	EA		60" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	353.36	52.05
			For Horizontal, Add	29.57	
			For Dynamic Damper, Add	44.35	
			For 3 Hour Rated, Add	39.42	
23 33 13 16-0337	EA		60" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	375.30	55.27
			For Horizontal, Add	31.39	
			For Dynamic Damper, Add	47.09	
			For 3 Hour Rated, Add	41.86	
23 33 13 16-0338	EA		60" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	404.55	56.93
			For Horizontal, Add	35.05	
			For Dynamic Damper, Add	52.57	
			For 3 Hour Rated, Add	46.73	
23 33 13 16-0339	EA		60" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	431.92	58.49
			For Horizontal, Add	38.42	
			For Dynamic Damper, Add	57.63	
			For 3 Hour Rated, Add	51.23	
23 33 13 16-0340	EA		60" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	466.06	61.81
			For Horizontal, Add	42.08	
			For Dynamic Damper, Add	63.12	
			For 3 Hour Rated, Add	56.10	
23 33 13 16-0341	EA		60" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	500.18	65.04
			For Horizontal, Add	45.73	
			For Dynamic Damper, Add	68.60	
			For 3 Hour Rated, Add	60.98	
23 33 13 16-0342	EA		60" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	528.69	68.26
			For Horizontal, Add	48.54	
			For Dynamic Damper, Add	72.81	
			For 3 Hour Rated, Add	64.72	
23 33 13 16-0343	EA		60" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	568.43	71.58
			For Horizontal, Add	53.04	
			For Dynamic Damper, Add	79.56	
			For 3 Hour Rated, Add	70.72	
23 33 13 16-0344	EA		60" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	604.43	74.80
			For Horizontal, Add	56.97	
			For Dynamic Damper, Add	85.46	
			For 3 Hour Rated, Add	75.97	
23 33 13 16-0345	EA		60" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	640.43	78.02
			For Horizontal, Add	60.91	
			For Dynamic Damper, Add	91.37	
			For 3 Hour Rated, Add	81.21	
23 33 13 16-0346	EA		60" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	672.68	81.34
			For Horizontal, Add	64.28	
			For Dynamic Damper, Add	96.42	
			For 3 Hour Rated, Add	85.71	
23 33 13 16-0347	EA		60" x 60" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	704.96	84.57
			For Horizontal, Add	67.66	
			For Dynamic Damper, Add	101.49	
			For 3 Hour Rated, Add	90.21	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 33 13 16-0348 Round 2 Hour Fire Damper (23 33 13 16)**

23 33 13 16-0349	EA	4" Round 2 Hour Fire Damper.....	67.72	19.53
23 33 13 16-0350	EA	5" Round 2 Hour Fire Damper.....	69.77	19.53
23 33 13 16-0351	EA	6" Round 2 Hour Fire Damper.....	81.26	22.17
23 33 13 16-0352	EA	7" Round 2 Hour Fire Damper.....	83.49	22.17
23 33 13 16-0353	EA	8" Round 2 Hour Fire Damper.....	97.97	24.42
23 33 13 16-0354	EA	9" Round 2 Hour Fire Damper.....	104.11	24.42
23 33 13 16-0355	EA	10" Round 2 Hour Fire Damper.....	115.69	27.15
23 33 13 16-0356	EA	12" Round 2 Hour Fire Damper.....	130.01	30.57
23 33 13 16-0357	EA	14" Round 2 Hour Fire Damper.....	147.95	34.86

23 33 13 16-0358 Round 4 Hour Fire Damper (23 33 13 16)

23 33 13 16-0359	EA	4" Round 4 Hour Fire Damper.....	76.49	22.17
23 33 13 16-0360	EA	5" Round 4 Hour Fire Damper.....	82.08	22.17
23 33 13 16-0361	EA	6" Round 4 Hour Fire Damper.....	92.19	24.42
23 33 13 16-0362	EA	7" Round 4 Hour Fire Damper.....	99.40	24.42
23 33 13 16-0363	EA	8" Round 4 Hour Fire Damper.....	112.05	27.15
23 33 13 16-0364	EA	9" Round 4 Hour Fire Damper.....	116.45	27.15
23 33 13 16-0365	EA	10" Round 4 Hour Fire Damper.....	130.14	30.57
23 33 13 16-0366	EA	12" Round 4 Hour Fire Damper.....	145.16	34.86
23 33 13 16-0367	EA	14" Round 4 Hour Fire Damper.....	169.35	40.72

23 33 13 19 Smoke-Control Dampers (23 33 13)**23 33 13 19-0001 Combination Smoke/Fire Damper (23 33 13 19)**

Note: Leakage class I with Firestat UL 555S air foil blades.

23 33 13 19-0002	EA	6" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	103.47	16.26
		For 3 Hour Rated, Add	10.94	
23 33 13 19-0003	EA	8" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	107.00	16.99
		For 3 Hour Rated, Add	11.21	
23 33 13 19-0004	EA	8" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	108.65	17.14
		For 3 Hour Rated, Add	11.48	
23 33 13 19-0005	EA	10" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	108.65	17.14
		For 3 Hour Rated, Add	11.48	
23 33 13 19-0006	EA	10" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	111.45	17.57
		For 3 Hour Rated, Add	11.74	
23 33 13 19-0007	EA	10" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	120.02	19.48
		For 3 Hour Rated, Add	12.28	
23 33 13 19-0008	EA	12" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	111.45	17.57
		For 3 Hour Rated, Add	11.74	
23 33 13 19-0009	EA	12" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	117.08	18.60
		For 3 Hour Rated, Add	12.28	
23 33 13 19-0010	EA	12" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	121.36	19.48
		For 3 Hour Rated, Add	12.55	
23 33 13 19-0011	EA	12" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	130.02	21.97
		For 3 Hour Rated, Add	12.82	
23 33 13 19-0012	EA	14" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	116.41	18.60
		For 3 Hour Rated, Add	12.15	
23 33 13 19-0013	EA	14" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	121.36	19.48
		For 3 Hour Rated, Add	12.55	
23 33 13 19-0014	EA	14" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	125.63	20.51
		For 3 Hour Rated, Add	12.82	
23 33 13 19-0015	EA	14" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	131.38	21.97
		For 3 Hour Rated, Add	13.09	
23 33 13 19-0016	EA	14" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	142.07	24.46
		For 3 Hour Rated, Add	13.77	
23 33 13 19-0017	EA	16" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	170.63	19.48
		For 3 Hour Rated, Add	22.41	
23 33 13 19-0018	EA	16" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	176.36	20.95
		For 3 Hour Rated, Add	22.68	
23 33 13 19-0019	EA	16" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	183.58	23.00
		For 3 Hour Rated, Add	22.95	
23 33 13 19-0020	EA	16" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	189.30	24.46
		For 3 Hour Rated, Add	23.21	
23 33 13 19-0021	EA	16" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	200.00	26.81
		For 3 Hour Rated, Add	23.89	
23 33 13 19-0022	EA	16" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	210.69	29.30
		For 3 Hour Rated, Add	24.56	
23 33 13 19-0023	EA	18" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	174.90	20.51
		For 3 Hour Rated, Add	22.68	
23 33 13 19-0024	EA	18" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	181.30	21.97
		For 3 Hour Rated, Add	23.08	
23 33 13 19-0025	EA	18" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	190.67	24.46
		For 3 Hour Rated, Add	23.49	
23 33 13 19-0026	EA	18" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	201.35	26.81
		For 3 Hour Rated, Add	24.16	
23 33 13 19-0027	EA	18" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	211.36	29.30
		For 3 Hour Rated, Add	24.70	
23 33 13 19-0028	EA	18" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	222.06	31.64
		For 3 Hour Rated, Add	25.37	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
Air Duct Accessories			23 33

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
23 33 13 19-0029	EA	18" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	231.40 25.77	34.13
23 33 13 19-0030	EA	20" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	180.64 22.95	21.97
23 33 13 19-0031	EA	20" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	190.66 23.48	24.46
23 33 13 19-0032	EA	20" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	200.67 24.02	26.81
23 33 13 19-0033	EA	20" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	213.39 25.10	29.30
23 33 13 19-0034	EA	20" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	222.74 25.51	31.64
23 33 13 19-0035	EA	20" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	232.08 25.91	34.13
23 33 13 19-0036	EA	20" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	242.10 26.45	36.62
23 33 13 19-0037	EA	20" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	252.11 26.99	38.97
23 33 13 19-0038	EA	24" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	245.74 34.50	24.46
23 33 13 19-0039	EA	24" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	257.11 35.31	26.81
23 33 13 19-0040	EA	24" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	267.14 35.85	29.30
23 33 13 19-0041	EA	24" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	278.50 36.66	31.64
23 33 13 19-0042	EA	24" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	287.84 37.06	34.13
23 33 13 19-0043	EA	24" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	297.19 37.47	36.62
23 33 13 19-0044	EA	24" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	308.55 38.27	38.97
23 33 13 19-0045	EA	24" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	327.24 39.08	43.95
23 33 13 19-0046	EA	24" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	347.28 40.16	48.78
23 33 13 19-0047	EA	28" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	257.11 35.31	26.81
23 33 13 19-0048	EA	28" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	267.14 35.85	29.30
23 33 13 19-0049	EA	28" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	278.50 36.66	31.64
23 33 13 19-0050	EA	28" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	288.51 37.20	34.13
23 33 13 19-0051	EA	28" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	299.21 37.87	36.62
23 33 13 19-0052	EA	28" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	309.89 38.54	38.97
23 33 13 19-0053	EA	28" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	328.58 39.35	43.95
23 33 13 19-0054	EA	28" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	347.28 40.16	48.78
23 33 13 19-0055	EA	28" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	362.68 41.78	51.27
23 33 13 19-0056	EA	28" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	384.06 43.12	56.11
23 33 13 19-0057	EA	32" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	271.17 36.66	29.30
23 33 13 19-0058	EA	32" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	279.84 36.93	31.64
23 33 13 19-0059	EA	32" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	288.51 37.20	34.13
23 33 13 19-0060	EA	32" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	298.53 37.73	36.62
23 33 13 19-0061	EA	32" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	310.14 38.59	38.97
23 33 13 19-0062	EA	32" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	328.58 39.35	43.95
23 33 13 19-0063	EA	32" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	348.63 40.43	48.78
23 33 13 19-0064	EA	32" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	368.67 41.51	53.61
23 33 13 19-0065	EA	32" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	384.06 43.12	56.11
23 33 13 19-0066	EA	32" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	405.22 45.01	60.06
23 33 13 19-0067	EA	32" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	426.24 47.16	63.42
23 33 13 19-0068	EA	36" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	286.76 38.31	31.64
23 33 13 19-0069	EA	36" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	297.00 38.89	34.13
23 33 13 19-0070	EA	36" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	307.25 39.48	36.62

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0071	EA	36" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	318.97 40.36	38.97
23 33 13 19-0072	EA	36" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	335.83 40.80	43.95
23 33 13 19-0073	EA	36" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	345.35 41.24	46.29
23 33 13 19-0074	EA	36" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	374.65 42.70	53.61
23 33 13 19-0075	EA	36" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	396.61 44.17	58.60
23 33 13 19-0076	EA	36" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	411.24 45.92	60.49
23 33 13 19-0077	EA	36" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	436.15 48.27	64.89
23 33 13 19-0078	EA	36" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	456.64 50.31	68.26
23 33 13 19-0079	EA	36" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	475.67 52.66	70.75
23 33 13 19-0080	EA	40" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	344.80 48.45	36.62
23 33 13 19-0081	EA	40" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	357.98 49.62	38.97
23 33 13 19-0082	EA	40" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	366.77 49.92	41.46
23 33 13 19-0083	EA	40" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	375.57 50.21	43.95
23 33 13 19-0084	EA	40" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	395.34 51.24	46.29
23 33 13 19-0085	EA	40" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	407.79 52.26	48.78
23 33 13 19-0086	EA	40" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	435.62 53.43	56.11
23 33 13 19-0087	EA	40" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	456.12 54.60	60.93
23 33 13 19-0088	EA	40" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	476.63 56.36	64.89
23 33 13 19-0089	EA	40" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	502.98 59.58	68.26
23 33 13 19-0090	EA	40" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	523.48 61.34	72.22
23 33 13 19-0091	EA	40" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	545.45 64.56	74.12
23 33 13 19-0092	EA	40" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	571.81 67.49	78.07
23 33 13 19-0093	EA	44" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	355.06 49.04	36.62
23 33 13 19-0094	EA	44" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	368.24 50.21	38.97
23 33 13 19-0095	EA	44" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	379.96 51.09	41.46
23 33 13 19-0096	EA	44" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	388.75 51.38	43.95
23 33 13 19-0097	EA	44" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	401.94 52.56	46.29
23 33 13 19-0098	EA	44" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	415.11 53.73	48.78
23 33 13 19-0099	EA	44" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	451.74 55.19	58.60
23 33 13 19-0100	EA	44" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	473.69 56.65	63.42
23 33 13 19-0101	EA	44" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	502.98 59.58	68.26
23 33 13 19-0102	EA	44" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	530.81 62.22	73.24
23 33 13 19-0103	EA	44" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	560.08 65.14	78.07
23 33 13 19-0104	EA	44" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	580.59 67.78	80.41
23 33 13 19-0105	EA	44" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	601.09 70.42	82.90
23 33 13 19-0106	EA	44" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	621.61 73.05	85.39
23 33 13 19-0107	EA	48" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	366.77 49.92	38.97
23 33 13 19-0108	EA	48" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	379.96 51.09	41.46
23 33 13 19-0109	EA	48" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	388.75 51.38	43.95
23 33 13 19-0110	EA	48" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	407.79 52.26	48.78
23 33 13 19-0111	EA	48" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	428.30 53.43	53.61
23 33 13 19-0112	EA	48" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	448.80 54.60	58.60



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
Air Duct Accessories			23 33

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 33 13 19-0113	EA	48" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	472.23		63.42
		For 3 Hour Rated, Add	56.36		
23 33 13 19-0114	EA	48" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	495.66		68.26
		For 3 Hour Rated, Add	58.12		
23 33 13 19-0115	EA	48" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	523.49		73.24
		For 3 Hour Rated, Add	60.75		
23 33 13 19-0116	EA	48" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	554.22		78.07
		For 3 Hour Rated, Add	63.97		
23 33 13 19-0117	EA	48" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	574.75		80.41
		For 3 Hour Rated, Add	66.61		
23 33 13 19-0118	EA	48" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	599.62		82.90
		For 3 Hour Rated, Add	70.12		
23 33 13 19-0119	EA	48" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	627.46		87.74
		For 3 Hour Rated, Add	72.76		
23 33 13 19-0120	EA	48" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	652.36		90.23
		For 3 Hour Rated, Add	76.27		
23 33 13 19-0121	EA	48" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	686.04		97.55
		For 3 Hour Rated, Add	78.62		
23 33 13 19-0122	EA	52" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	378.49		41.46
		For 3 Hour Rated, Add	50.80		
23 33 13 19-0123	EA	52" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	391.67		43.95
		For 3 Hour Rated, Add	51.97		
23 33 13 19-0124	EA	52" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	412.18		48.78
		For 3 Hour Rated, Add	53.14		
23 33 13 19-0125	EA	52" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	428.30		53.61
		For 3 Hour Rated, Add	53.43		
23 33 13 19-0126	EA	52" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	449.54		58.60
		For 3 Hour Rated, Add	54.75		
23 33 13 19-0127	EA	52" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	470.77		63.42
		For 3 Hour Rated, Add	56.07		
23 33 13 19-0128	EA	52" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	494.20		68.26
		For 3 Hour Rated, Add	57.83		
23 33 13 19-0129	EA	52" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	517.63		73.24
		For 3 Hour Rated, Add	59.58		
23 33 13 19-0130	EA	52" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	545.45		78.07
		For 3 Hour Rated, Add	62.22		
23 33 13 19-0131	EA	52" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	577.67		82.90
		For 3 Hour Rated, Add	65.73		
23 33 13 19-0132	EA	52" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	599.63		85.39
		For 3 Hour Rated, Add	68.66		
23 33 13 19-0133	EA	52" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	626.00		87.74
		For 3 Hour Rated, Add	72.47		
23 33 13 19-0134	EA	52" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	658.20		92.72
		For 3 Hour Rated, Add	75.98		
23 33 13 19-0135	EA	52" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	686.04		97.55
		For 3 Hour Rated, Add	78.62		
23 33 13 19-0136	EA	52" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	725.56		104.88
		For 3 Hour Rated, Add	82.13		
23 33 13 19-0137	EA	52" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	754.86		109.71
		For 3 Hour Rated, Add	85.06		
23 33 13 19-0138	EA	56" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	388.75		43.95
		For 3 Hour Rated, Add	51.38		
23 33 13 19-0139	EA	56" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	410.71		48.78
		For 3 Hour Rated, Add	52.85		
23 33 13 19-0140	EA	56" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	429.76		53.61
		For 3 Hour Rated, Add	53.73		
23 33 13 19-0141	EA	56" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	445.87		58.60
		For 3 Hour Rated, Add	54.02		
23 33 13 19-0142	EA	56" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	468.57		63.42
		For 3 Hour Rated, Add	55.63		
23 33 13 19-0143	EA	56" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	491.27		68.26
		For 3 Hour Rated, Add	57.24		
23 33 13 19-0144	EA	56" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	513.97		73.24
		For 3 Hour Rated, Add	58.85		
23 33 13 19-0145	EA	56" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	536.66		78.07
		For 3 Hour Rated, Add	60.46		
23 33 13 19-0146	EA	56" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	568.87		82.90
		For 3 Hour Rated, Add	63.97		
23 33 13 19-0147	EA	56" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	593.79		85.39
		For 3 Hour Rated, Add	67.49		
23 33 13 19-0148	EA	56" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	617.20		87.74
		For 3 Hour Rated, Add	70.71		
23 33 13 19-0149	EA	56" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	652.35		92.72
		For 3 Hour Rated, Add	74.81		
23 33 13 19-0150	EA	56" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	684.57		97.55
		For 3 Hour Rated, Add	78.32		
23 33 13 19-0151	EA	56" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	718.25		102.39
		For 3 Hour Rated, Add	82.13		
23 33 13 19-0152	EA	56" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	747.54		107.37
		For 3 Hour Rated, Add	85.06		
23 33 13 19-0153	EA	56" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	781.22		112.20
		For 3 Hour Rated, Add	88.86		
23 33 13 19-0154	EA	56" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	814.90		117.04
		For 3 Hour Rated, Add	92.67		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0155	EA	60" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	407.79 52.26	48.78
23 33 13 19-0156	EA	60" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	429.76 53.73	53.61
23 33 13 19-0157	EA	60" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	447.34 54.31	58.60
23 33 13 19-0158	EA	60" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	463.44 54.60	63.42
23 33 13 19-0159	EA	60" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	486.88 56.36	68.26
23 33 13 19-0160	EA	60" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	510.31 58.12	73.24
23 33 13 19-0161	EA	60" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	534.46 60.02	78.07
23 33 13 19-0162	EA	60" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	558.64 61.93	82.90
23 33 13 19-0163	EA	60" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	585.00 65.73	85.39
23 33 13 19-0164	EA	60" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	609.88 69.24	87.74
23 33 13 19-0165	EA	60" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	643.58 73.05	92.72
23 33 13 19-0166	EA	60" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	677.26 76.86	97.55
23 33 13 19-0167	EA	60" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	706.55 79.79	102.39
23 33 13 19-0168	EA	60" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	744.61 84.47	107.37
23 33 13 19-0169	EA	60" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	779.76 88.57	112.20
23 33 13 19-0170	EA	60" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	814.90 92.67	117.04
23 33 13 19-0171	EA	60" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	847.11 96.18	122.02
23 33 13 19-0172	EA	60" x 60" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	879.34 99.70	126.85
23 33 13 19-0173		Smoke Damper <small>(23 33 13 19)</small> Note: Leakage class I with Firestat UL 555S air foil blades.		
23 33 13 19-0174	EA	6" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	81.08 10.93 9.71	10.84
23 33 13 19-0175	EA	8" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	83.78 11.20 9.96	11.33
23 33 13 19-0176	EA	8" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	85.21 11.48 10.21	11.42
23 33 13 19-0177	EA	10" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	85.21 11.48 10.21	11.42
23 33 13 19-0178	EA	10" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	87.42 11.76 10.45	11.72
23 33 13 19-0179	EA	10" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	93.77 12.31 10.94	12.99
23 33 13 19-0180	EA	12" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	87.42 11.76 10.45	11.72
23 33 13 19-0181	EA	12" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	91.82 12.31 10.94	12.40
23 33 13 19-0182	EA	12" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	95.01 12.59 11.19	12.99
23 33 13 19-0183	EA	12" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	101.12 12.86 11.43	14.65
23 33 13 19-0184	EA	14" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	91.21 12.17 10.82	12.40
23 33 13 19-0185	EA	14" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	95.01 12.59 11.19	12.99
23 33 13 19-0186	EA	14" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	98.18 12.86 11.43	13.67
23 33 13 19-0187	EA	14" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	102.36 13.14 11.68	14.65
23 33 13 19-0188	EA	14" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	110.31 13.83 12.30	16.31



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
Air Duct Accessories			23 33

23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0189	EA		16" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	139.79	12.99
			For Dynamic Damper, Add	22.66	
			For 3 Hour Rated, Add	20.15	
23 33 13 19-0190	EA		16" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	143.95	13.96
			For Dynamic Damper, Add	22.94	
			For 3 Hour Rated, Add	20.39	
23 33 13 19-0191	EA		16" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	149.08	15.33
			For Dynamic Damper, Add	23.22	
			For 3 Hour Rated, Add	20.64	
23 33 13 19-0192	EA		16" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	153.24	16.31
			For Dynamic Damper, Add	23.49	
			For 3 Hour Rated, Add	20.88	
23 33 13 19-0193	EA		16" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	161.21	17.87
			For Dynamic Damper, Add	24.19	
			For 3 Hour Rated, Add	21.50	
23 33 13 19-0194	EA		16" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	169.17	19.53
			For Dynamic Damper, Add	24.88	
			For 3 Hour Rated, Add	22.11	
23 33 13 19-0195	EA		18" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	142.97	13.67
			For Dynamic Damper, Add	22.94	
			For 3 Hour Rated, Add	20.39	
23 33 13 19-0196	EA		18" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	147.75	14.65
			For Dynamic Damper, Add	23.36	
			For 3 Hour Rated, Add	20.76	
23 33 13 19-0197	EA		18" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	154.49	16.31
			For Dynamic Damper, Add	23.77	
			For 3 Hour Rated, Add	21.13	
23 33 13 19-0198	EA		18" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	162.44	17.87
			For Dynamic Damper, Add	24.46	
			For 3 Hour Rated, Add	21.75	
23 33 13 19-0199	EA		18" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	169.78	19.53
			For Dynamic Damper, Add	25.02	
			For 3 Hour Rated, Add	22.24	
23 33 13 19-0200	EA		18" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	177.73	21.09
			For Dynamic Damper, Add	25.71	
			For 3 Hour Rated, Add	22.85	
23 33 13 19-0201	EA		18" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	184.46	22.75
			For Dynamic Damper, Add	26.12	
			For 3 Hour Rated, Add	23.22	
23 33 13 19-0202	EA		20" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	147.14	14.65
			For Dynamic Damper, Add	23.22	
			For 3 Hour Rated, Add	20.64	
23 33 13 19-0203	EA		20" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	154.48	16.31
			For Dynamic Damper, Add	23.77	
			For 3 Hour Rated, Add	21.13	
23 33 13 19-0204	EA		20" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	161.82	17.87
			For Dynamic Damper, Add	24.32	
			For 3 Hour Rated, Add	21.62	
23 33 13 19-0205	EA		20" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	171.64	19.53
			For Dynamic Damper, Add	25.43	
			For 3 Hour Rated, Add	22.61	
23 33 13 19-0206	EA		20" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	178.35	21.09
			For Dynamic Damper, Add	25.85	
			For 3 Hour Rated, Add	22.98	
23 33 13 19-0207	EA		20" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	185.08	22.75
			For Dynamic Damper, Add	26.26	
			For 3 Hour Rated, Add	23.35	
23 33 13 19-0208	EA		20" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	192.42	24.42
			For Dynamic Damper, Add	26.82	
			For 3 Hour Rated, Add	23.84	
23 33 13 19-0209	EA		20" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	199.76	25.97
			For Dynamic Damper, Add	27.37	
			For 3 Hour Rated, Add	24.33	
23 33 13 19-0210	EA		24" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	191.53	16.31
			For Dynamic Damper, Add	32.11	
			For 3 Hour Rated, Add	28.54	
23 33 13 19-0211	EA		24" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	200.11	17.87
			For Dynamic Damper, Add	32.94	
			For 3 Hour Rated, Add	29.28	
23 33 13 19-0212	EA		24" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	207.47	19.53
			For Dynamic Damper, Add	33.50	
			For 3 Hour Rated, Add	29.77	
23 33 13 19-0213	EA		24" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	216.03	21.09
			For Dynamic Damper, Add	34.33	
			For 3 Hour Rated, Add	30.51	
23 33 13 19-0214	EA		24" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	222.75	22.75
			For Dynamic Damper, Add	34.74	
			For 3 Hour Rated, Add	30.88	
23 33 13 19-0215	EA		24" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	229.48	24.42
			For Dynamic Damper, Add	35.15	
			For 3 Hour Rated, Add	31.25	
23 33 13 19-0216	EA		24" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	238.05	25.97
			For Dynamic Damper, Add	35.98	
			For 3 Hour Rated, Add	31.99	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR				TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST	UNIT COST
23 33 13 19-0217	EA	24" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	251.50		29.30
		For Dynamic Damper, Add		36.81		
		For 3 Hour Rated, Add		32.72		
23 33 13 19-0218	EA	24" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	266.19		32.51
		For Dynamic Damper, Add		37.92		
		For 3 Hour Rated, Add		33.71		
23 33 13 19-0219	EA	28" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	200.11		17.87
		For Dynamic Damper, Add		32.94		
		For 3 Hour Rated, Add		29.28		
23 33 13 19-0220	EA	28" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	207.47		19.53
		For Dynamic Damper, Add		33.50		
		For 3 Hour Rated, Add		29.77		
23 33 13 19-0221	EA	28" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	216.03		21.09
		For Dynamic Damper, Add		34.33		
		For 3 Hour Rated, Add		30.51		
23 33 13 19-0222	EA	28" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	223.36		22.75
		For Dynamic Damper, Add		34.88		
		For 3 Hour Rated, Add		31.00		
23 33 13 19-0223	EA	28" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	231.32		24.42
		For Dynamic Damper, Add		35.57		
		For 3 Hour Rated, Add		31.62		
23 33 13 19-0224	EA	28" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	239.27		25.97
		For Dynamic Damper, Add		36.26		
		For 3 Hour Rated, Add		32.23		
23 33 13 19-0225	EA	28" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	252.72		29.30
		For Dynamic Damper, Add		37.09		
		For 3 Hour Rated, Add		32.97		
23 33 13 19-0226	EA	28" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	266.19		32.51
		For Dynamic Damper, Add		37.92		
		For 3 Hour Rated, Add		33.71		
23 33 13 19-0227	EA	28" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	278.45		34.18
		For Dynamic Damper, Add		39.58		
		For 3 Hour Rated, Add		35.18		
23 33 13 19-0228	EA	28" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	294.37		37.40
		For Dynamic Damper, Add		40.97		
		For 3 Hour Rated, Add		36.41		
23 33 13 19-0229	EA	32" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	211.16		19.53
		For Dynamic Damper, Add		34.33		
		For 3 Hour Rated, Add		30.51		
23 33 13 19-0230	EA	32" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	217.24		21.09
		For Dynamic Damper, Add		34.60		
		For 3 Hour Rated, Add		30.75		
23 33 13 19-0231	EA	32" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	223.36		22.75
		For Dynamic Damper, Add		34.88		
		For 3 Hour Rated, Add		31.00		
23 33 13 19-0232	EA	32" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	230.70		24.42
		For Dynamic Damper, Add		35.43		
		For 3 Hour Rated, Add		31.49		
23 33 13 19-0233	EA	32" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	239.51		25.97
		For Dynamic Damper, Add		36.31		
		For 3 Hour Rated, Add		32.28		
23 33 13 19-0234	EA	32" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	252.72		29.30
		For Dynamic Damper, Add		37.09		
		For 3 Hour Rated, Add		32.97		
23 33 13 19-0235	EA	32" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	267.42		32.51
		For Dynamic Damper, Add		38.20		
		For 3 Hour Rated, Add		33.95		
23 33 13 19-0236	EA	32" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	282.12		35.74
		For Dynamic Damper, Add		39.31		
		For 3 Hour Rated, Add		34.94		
23 33 13 19-0237	EA	32" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	294.37		37.40
		For Dynamic Damper, Add		40.97		
		For 3 Hour Rated, Add		36.41		
23 33 13 19-0238	EA	32" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	310.80		40.03
		For Dynamic Damper, Add		42.91		
		For 3 Hour Rated, Add		38.14		
23 33 13 19-0239	EA	32" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	327.47		42.28
		For Dynamic Damper, Add		45.12		
		For 3 Hour Rated, Add		40.10		
23 33 13 19-0240	EA	36" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	221.82		21.09
		For Dynamic Damper, Add		35.63		
		For 3 Hour Rated, Add		31.67		
23 33 13 19-0241	EA	36" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	229.27		22.75
		For Dynamic Damper, Add		36.21		
		For 3 Hour Rated, Add		32.18		
23 33 13 19-0242	EA	36" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	236.73		24.42
		For Dynamic Damper, Add		36.79		
		For 3 Hour Rated, Add		32.70		
23 33 13 19-0243	EA	36" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	245.48		25.97
		For Dynamic Damper, Add		37.66		
		For 3 Hour Rated, Add		33.47		
23 33 13 19-0244	EA	36" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	257.19		29.30
		For Dynamic Damper, Add		38.09		
		For 3 Hour Rated, Add		33.86		



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
Air Duct Accessories			23 33

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0245	EA		36" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	264.01	30.86
			For Dynamic Damper, Add	38.53	
			For 3 Hour Rated, Add	34.25	
23 33 13 19-0246	EA		36" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	285.10	35.74
			For Dynamic Damper, Add	39.98	
			For 3 Hour Rated, Add	35.54	
23 33 13 19-0247	EA		36" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	301.29	39.06
			For Dynamic Damper, Add	41.42	
			For 3 Hour Rated, Add	36.82	
23 33 13 19-0248	EA		36" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	312.94	40.33
			For Dynamic Damper, Add	43.17	
			For 3 Hour Rated, Add	38.37	
23 33 13 19-0249	EA		36" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	332.02	43.26
			For Dynamic Damper, Add	45.48	
			For 3 Hour Rated, Add	40.43	
23 33 13 19-0250	EA		36" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	347.88	45.51
			For Dynamic Damper, Add	47.51	
			For 3 Hour Rated, Add	42.23	
23 33 13 19-0251	EA		36" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	363.08	47.16
			For Dynamic Damper, Add	49.83	
			For 3 Hour Rated, Add	44.30	
23 33 13 19-0252	EA		40" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	254.85	24.42
			For Dynamic Damper, Add	41.96	
			For 3 Hour Rated, Add	37.30	
23 33 13 19-0253	EA		40" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	264.89	25.97
			For Dynamic Damper, Add	43.12	
			For 3 Hour Rated, Add	38.33	
23 33 13 19-0254	EA		40" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	271.06	27.63
			For Dynamic Damper, Add	43.41	
			For 3 Hour Rated, Add	38.59	
23 33 13 19-0255	EA		40" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	277.23	29.30
			For Dynamic Damper, Add	43.70	
			For 3 Hour Rated, Add	38.85	
23 33 13 19-0256	EA		40" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	291.52	30.86
			For Dynamic Damper, Add	44.72	
			For 3 Hour Rated, Add	39.75	
23 33 13 19-0257	EA		40" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	300.91	32.51
			For Dynamic Damper, Add	45.73	
			For 3 Hour Rated, Add	40.65	
23 33 13 19-0258	EA		40" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	320.71	37.40
			For Dynamic Damper, Add	46.89	
			For 3 Hour Rated, Add	41.68	
23 33 13 19-0259	EA		40" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	335.64	40.62
			For Dynamic Damper, Add	48.05	
			For 3 Hour Rated, Add	42.71	
23 33 13 19-0260	EA		40" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	351.17	43.26
			For Dynamic Damper, Add	49.79	
			For 3 Hour Rated, Add	44.26	
23 33 13 19-0261	EA		40" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	372.18	45.51
			For Dynamic Damper, Add	52.98	
			For 3 Hour Rated, Add	47.09	
23 33 13 19-0262	EA		40" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	387.71	48.14
			For Dynamic Damper, Add	54.72	
			For 3 Hour Rated, Add	48.64	
23 33 13 19-0263	EA		40" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	405.80	49.41
			For Dynamic Damper, Add	57.91	
			For 3 Hour Rated, Add	51.47	
23 33 13 19-0264	EA		40" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	426.51	52.05
			For Dynamic Damper, Add	60.81	
			For 3 Hour Rated, Add	54.05	
23 33 13 19-0265	EA		44" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	262.32	24.42
			For Dynamic Damper, Add	42.54	
			For 3 Hour Rated, Add	37.82	
23 33 13 19-0266	EA		44" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	272.35	25.97
			For Dynamic Damper, Add	43.70	
			For 3 Hour Rated, Add	38.85	
23 33 13 19-0267	EA		44" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	281.11	27.63
			For Dynamic Damper, Add	44.57	
			For 3 Hour Rated, Add	39.62	
23 33 13 19-0268	EA		44" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	287.28	29.30
			For Dynamic Damper, Add	44.87	
			For 3 Hour Rated, Add	39.88	
23 33 13 19-0269	EA		44" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	297.32	30.86
			For Dynamic Damper, Add	46.02	
			For 3 Hour Rated, Add	40.91	
23 33 13 19-0270	EA		44" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	307.35	32.51
			For Dynamic Damper, Add	47.18	
			For 3 Hour Rated, Add	41.94	
23 33 13 19-0271	EA		44" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	333.33	39.06
			For Dynamic Damper, Add	48.63	
			For 3 Hour Rated, Add	43.23	
23 33 13 19-0272	EA		44" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	349.53	42.28
			For Dynamic Damper, Add	50.08	
			For 3 Hour Rated, Add	44.52	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0273	EA	44" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	372.18	45.51
		For Dynamic Damper, Add	52.98	
		For 3 Hour Rated, Add	47.09	
23 33 13 19-0274	EA	44" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	393.55	48.83
		For Dynamic Damper, Add	55.59	
		For 3 Hour Rated, Add	49.41	
23 33 13 19-0275	EA	44" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	416.19	52.05
		For Dynamic Damper, Add	58.49	
		For 3 Hour Rated, Add	51.99	
23 33 13 19-0276	EA	44" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	432.67	53.61
		For Dynamic Damper, Add	61.10	
		For 3 Hour Rated, Add	54.31	
23 33 13 19-0277	EA	44" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	449.15	55.27
		For Dynamic Damper, Add	63.71	
		For 3 Hour Rated, Add	56.63	
23 33 13 19-0278	EA	44" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	465.64	56.93
		For Dynamic Damper, Add	66.32	
		For 3 Hour Rated, Add	58.95	
23 33 13 19-0279	EA	48" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	271.06	25.97
		For Dynamic Damper, Add	43.41	
		For 3 Hour Rated, Add	38.59	
23 33 13 19-0280	EA	48" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	281.11	27.63
		For Dynamic Damper, Add	44.57	
		For 3 Hour Rated, Add	39.62	
23 33 13 19-0281	EA	48" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	287.28	29.30
		For Dynamic Damper, Add	44.87	
		For 3 Hour Rated, Add	39.88	
23 33 13 19-0282	EA	48" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	300.91	32.51
		For Dynamic Damper, Add	45.73	
		For 3 Hour Rated, Add	40.65	
23 33 13 19-0283	EA	48" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	315.83	35.74
		For Dynamic Damper, Add	46.89	
		For 3 Hour Rated, Add	41.68	
23 33 13 19-0284	EA	48" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	330.75	39.06
		For Dynamic Damper, Add	48.05	
		For 3 Hour Rated, Add	42.71	
23 33 13 19-0285	EA	48" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	348.25	42.28
		For Dynamic Damper, Add	49.79	
		For 3 Hour Rated, Add	44.26	
23 33 13 19-0286	EA	48" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	365.73	45.51
		For Dynamic Damper, Add	51.53	
		For 3 Hour Rated, Add	45.80	
23 33 13 19-0287	EA	48" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	387.10	48.83
		For Dynamic Damper, Add	54.14	
		For 3 Hour Rated, Add	48.12	
23 33 13 19-0288	EA	48" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	411.04	52.05
		For Dynamic Damper, Add	57.33	
		For 3 Hour Rated, Add	50.96	
23 33 13 19-0289	EA	48" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	427.53	53.61
		For Dynamic Damper, Add	59.94	
		For 3 Hour Rated, Add	53.28	
23 33 13 19-0290	EA	48" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	447.86	55.27
		For Dynamic Damper, Add	63.42	
		For 3 Hour Rated, Add	56.37	
23 33 13 19-0291	EA	48" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	469.23	58.49
		For Dynamic Damper, Add	66.03	
		For 3 Hour Rated, Add	58.69	
23 33 13 19-0292	EA	48" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	489.57	60.16
		For Dynamic Damper, Add	69.50	
		For 3 Hour Rated, Add	61.78	
23 33 13 19-0293	EA	48" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	514.52	65.04
		For Dynamic Damper, Add	71.82	
		For 3 Hour Rated, Add	63.84	
23 33 13 19-0294	EA	52" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	279.82	27.63
		For Dynamic Damper, Add	44.28	
		For 3 Hour Rated, Add	39.36	
23 33 13 19-0295	EA	52" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	289.85	29.30
		For Dynamic Damper, Add	45.44	
		For 3 Hour Rated, Add	40.39	
23 33 13 19-0296	EA	52" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	304.77	32.51
		For Dynamic Damper, Add	46.60	
		For 3 Hour Rated, Add	41.42	
23 33 13 19-0297	EA	52" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	315.83	35.74
		For Dynamic Damper, Add	46.89	
		For 3 Hour Rated, Add	41.68	
23 33 13 19-0298	EA	52" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	331.40	39.06
		For Dynamic Damper, Add	48.20	
		For 3 Hour Rated, Add	42.84	
23 33 13 19-0299	EA	52" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	346.96	42.28
		For Dynamic Damper, Add	49.50	
		For 3 Hour Rated, Add	44.00	
23 33 13 19-0300	EA	52" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	364.45	45.51
		For Dynamic Damper, Add	51.24	
		For 3 Hour Rated, Add	45.55	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
Air Duct Accessories			23 33

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0301	EA		52" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	381.95	48.83
			For Dynamic Damper, Add	52.98	
			For 3 Hour Rated, Add	47.09	
23 33 13 19-0302	EA		52" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	403.32	52.05
			For Dynamic Damper, Add	55.59	
			For 3 Hour Rated, Add	49.41	
23 33 13 19-0303	EA		52" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	428.53	55.27
			For Dynamic Damper, Add	59.07	
			For 3 Hour Rated, Add	52.50	
23 33 13 19-0304	EA		52" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	446.30	56.93
			For Dynamic Damper, Add	61.97	
			For 3 Hour Rated, Add	55.08	
23 33 13 19-0305	EA		52" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	467.94	58.49
			For Dynamic Damper, Add	65.74	
			For 3 Hour Rated, Add	58.43	
23 33 13 19-0306	EA		52" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	493.15	61.81
			For Dynamic Damper, Add	69.21	
			For 3 Hour Rated, Add	61.52	
23 33 13 19-0307	EA		52" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	514.52	65.04
			For Dynamic Damper, Add	71.82	
			For 3 Hour Rated, Add	63.84	
23 33 13 19-0308	EA		52" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	544.63	69.92
			For Dynamic Damper, Add	75.30	
			For 3 Hour Rated, Add	66.94	
23 33 13 19-0309	EA		52" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	567.29	73.14
			For Dynamic Damper, Add	78.20	
			For 3 Hour Rated, Add	69.51	
23 33 13 19-0310	EA		56" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	287.28	29.30
			For Dynamic Damper, Add	44.87	
			For 3 Hour Rated, Add	39.88	
23 33 13 19-0311	EA		56" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	303.48	32.51
			For Dynamic Damper, Add	46.31	
			For 3 Hour Rated, Add	41.17	
23 33 13 19-0312	EA		56" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	317.12	35.74
			For Dynamic Damper, Add	47.18	
			For 3 Hour Rated, Add	41.94	
23 33 13 19-0313	EA		56" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	328.16	39.06
			For Dynamic Damper, Add	47.47	
			For 3 Hour Rated, Add	42.20	
23 33 13 19-0314	EA		56" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	345.03	42.28
			For Dynamic Damper, Add	49.07	
			For 3 Hour Rated, Add	43.62	
23 33 13 19-0315	EA		56" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	361.87	45.51
			For Dynamic Damper, Add	50.66	
			For 3 Hour Rated, Add	45.03	
23 33 13 19-0316	EA		56" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	378.73	48.83
			For Dynamic Damper, Add	52.26	
			For 3 Hour Rated, Add	46.45	
23 33 13 19-0317	EA		56" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	395.58	52.05
			For Dynamic Damper, Add	53.85	
			For 3 Hour Rated, Add	47.87	
23 33 13 19-0318	EA		56" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	420.80	55.27
			For Dynamic Damper, Add	57.33	
			For 3 Hour Rated, Add	50.96	
23 33 13 19-0319	EA		56" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	441.16	56.93
			For Dynamic Damper, Add	60.81	
			For 3 Hour Rated, Add	54.05	
23 33 13 19-0320	EA		56" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	460.21	58.49
			For Dynamic Damper, Add	64.00	
			For 3 Hour Rated, Add	56.89	
23 33 13 19-0321	EA		56" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	488.01	61.81
			For Dynamic Damper, Add	68.06	
			For 3 Hour Rated, Add	60.49	
23 33 13 19-0322	EA		56" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	513.23	65.04
			For Dynamic Damper, Add	71.53	
			For 3 Hour Rated, Add	63.59	
23 33 13 19-0323	EA		56" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	539.75	68.26
			For Dynamic Damper, Add	75.30	
			For 3 Hour Rated, Add	66.94	
23 33 13 19-0324	EA		56" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	562.40	71.58
			For Dynamic Damper, Add	78.20	
			For 3 Hour Rated, Add	69.51	
23 33 13 19-0325	EA		56" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	588.92	74.80
			For Dynamic Damper, Add	81.97	
			For 3 Hour Rated, Add	72.86	
23 33 13 19-0326	EA		56" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	615.43	78.02
			For Dynamic Damper, Add	85.74	
			For 3 Hour Rated, Add	76.21	
23 33 13 19-0327	EA		60" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	300.91	32.51
			For Dynamic Damper, Add	45.73	
			For 3 Hour Rated, Add	40.65	
23 33 13 19-0328	EA		60" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	317.12	35.74
			For Dynamic Damper, Add	47.18	
			For 3 Hour Rated, Add	41.94	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0329	EA	60" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	329.45 47.76 42.45	39.06
23 33 13 19-0330	EA	60" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	340.52 48.05 42.71	42.28
23 33 13 19-0331	EA	60" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	358.01 49.79 44.26	45.51
23 33 13 19-0332	EA	60" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	375.50 51.53 45.80	48.83
23 33 13 19-0333	EA	60" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	393.65 53.42 47.48	52.05
23 33 13 19-0334	EA	60" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	411.78 55.30 49.15	55.27
23 33 13 19-0335	EA	60" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	433.42 59.07 52.50	56.93
23 33 13 19-0336	EA	60" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	453.76 62.55 55.60	58.49
23 33 13 19-0337	EA	60" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	480.28 66.32 58.95	61.81
23 33 13 19-0338	EA	60" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	506.79 70.09 62.30	65.04
23 33 13 19-0339	EA	60" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	529.44 72.98 64.87	68.26
23 33 13 19-0340	EA	60" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	559.81 77.62 69.00	71.58
23 33 13 19-0341	EA	60" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	587.62 81.68 72.60	74.80
23 33 13 19-0342	EA	60" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	615.43 85.74 76.21	78.02
23 33 13 19-0343	EA	60" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	640.64 89.21 79.30	81.34
23 33 13 19-0344	EA	60" x 60" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	665.89 92.70 82.40	84.57

23 33 13 23 Backdraft Dampers (23 33 13)**23 33 13 23-0001 Horizontally Mounted Backdraft Damper (23 33 13 23)**

Note: Galvanized steel frame, aluminum blades. Exclude motor pack.

23 33 13 23-0002	EA	6" x 6" Horizontally Mounted Backdraft Damper	70.76	10.84
23 33 13 23-0003	EA	8" x 6" Horizontally Mounted Backdraft Damper	84.98	11.33
23 33 13 23-0004	EA	8" x 8" Horizontally Mounted Backdraft Damper	102.17	11.42
23 33 13 23-0005	EA	10" x 6" Horizontally Mounted Backdraft Damper	97.93	11.42
23 33 13 23-0006	EA	10" x 8" Horizontally Mounted Backdraft Damper	93.85	11.72
23 33 13 23-0007	EA	10" x 10" Horizontally Mounted Backdraft Damper	112.42	12.99
23 33 13 23-0008	EA	12" x 6" Horizontally Mounted Backdraft Damper	87.98	11.72
23 33 13 23-0009	EA	12" x 8" Horizontally Mounted Backdraft Damper	109.48	12.99
23 33 13 23-0010	EA	12" x 10" Horizontally Mounted Backdraft Damper	105.12	13.67
23 33 13 23-0011	EA	12" x 12" Horizontally Mounted Backdraft Damper	120.89	14.65
23 33 13 23-0012	EA	14" x 6" Horizontally Mounted Backdraft Damper	98.73	12.40
23 33 13 23-0013	EA	14" x 8" Horizontally Mounted Backdraft Damper	100.84	13.67
23 33 13 23-0014	EA	14" x 10" Horizontally Mounted Backdraft Damper	118.76	14.65
23 33 13 23-0015	EA	14" x 12" Horizontally Mounted Backdraft Damper	106.37	16.31
23 33 13 23-0016	EA	14" x 14" Horizontally Mounted Backdraft Damper	120.84	17.87
23 33 13 23-0017	EA	16" x 6" Horizontally Mounted Backdraft Damper	109.48	12.99
23 33 13 23-0018	EA	16" x 8" Horizontally Mounted Backdraft Damper	112.33	14.65
23 33 13 23-0019	EA	16" x 10" Horizontally Mounted Backdraft Damper	103.63	16.31
23 33 13 23-0020	EA	16" x 12" Horizontally Mounted Backdraft Damper	114.58	16.31
23 33 13 23-0021	EA	16" x 14" Horizontally Mounted Backdraft Damper	130.43	17.87
23 33 13 23-0022	EA	16" x 16" Horizontally Mounted Backdraft Damper	146.27	19.53
23 33 13 23-0023	EA	18" x 6" Horizontally Mounted Backdraft Damper	98.71	13.67
23 33 13 23-0024	EA	18" x 8" Horizontally Mounted Backdraft Damper	93.26	14.65
23 33 13 23-0025	EA	18" x 10" Horizontally Mounted Backdraft Damper	110.47	16.31
23 33 13 23-0026	EA	18" x 12" Horizontally Mounted Backdraft Damper	127.68	17.87
23 33 13 23-0027	EA	18" x 14" Horizontally Mounted Backdraft Damper	144.89	19.53
23 33 13 23-0028	EA	18" x 16" Horizontally Mounted Backdraft Damper	165.26	21.09
23 33 13 23-0029	EA	18" x 18" Horizontally Mounted Backdraft Damper	187.75	24.42
23 33 13 23-0030	EA	18" x 20" Horizontally Mounted Backdraft Damper	155.29	25.97
23 33 13 23-0031	EA	18" x 24" Horizontally Mounted Backdraft Damper	180.47	29.30

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Air Distribution

23 30

Air Duct Accessories

23 33

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0032 EA 20" x 6" Horizontally Mounted Backdraft Damper	108.06	14.65
23 33 13 23-0033 EA 20" x 8" Horizontally Mounted Backdraft Damper	103.63	16.31
23 33 13 23-0034 EA 20" x 10" Horizontally Mounted Backdraft Damper	122.20	17.87
23 33 13 23-0035 EA 20" x 12" Horizontally Mounted Backdraft Damper	140.80	19.53
23 33 13 23-0036 EA 20" x 14" Horizontally Mounted Backdraft Damper	162.43	21.09
23 33 13 23-0037 EA 20" x 16" Horizontally Mounted Backdraft Damper	181.45	22.75
23 33 13 23-0038 EA 20" x 18" Horizontally Mounted Backdraft Damper	155.29	25.97
23 33 13 23-0039 EA 20" x 20" Horizontally Mounted Backdraft Damper	163.86	25.97
23 33 13 23-0040 EA 20" x 24" Horizontally Mounted Backdraft Damper	190.76	29.30
23 33 13 23-0041 EA 20" x 28" Horizontally Mounted Backdraft Damper	217.67	32.51
23 33 13 23-0042 EA 20" x 32" Horizontally Mounted Backdraft Damper	205.40	35.74
23 33 13 23-0043 EA 20" x 36" Horizontally Mounted Backdraft Damper	227.39	39.06
23 33 13 23-0044 EA 24" x 6" Horizontally Mounted Backdraft Damper	98.14	16.31
23 33 13 23-0045 EA 24" x 8" Horizontally Mounted Backdraft Damper	119.46	17.87
23 33 13 23-0046 EA 24" x 10" Horizontally Mounted Backdraft Damper	140.80	19.53
23 33 13 23-0047 EA 24" x 12" Horizontally Mounted Backdraft Damper	165.26	21.09
23 33 13 23-0048 EA 24" x 14" Horizontally Mounted Backdraft Damper	145.26	24.42
23 33 13 23-0049 EA 24" x 16" Horizontally Mounted Backdraft Damper	160.42	25.97
23 33 13 23-0050 EA 24" x 18" Horizontally Mounted Backdraft Damper	180.47	29.30
23 33 13 23-0051 EA 24" x 20" Horizontally Mounted Backdraft Damper	190.76	29.30
23 33 13 23-0052 EA 24" x 24" Horizontally Mounted Backdraft Damper	221.10	32.51
23 33 13 23-0053 EA 24" x 28" Horizontally Mounted Backdraft Damper	210.28	35.74
23 33 13 23-0054 EA 24" x 32" Horizontally Mounted Backdraft Damper	234.75	39.06
23 33 13 23-0055 EA 24" x 36" Horizontally Mounted Backdraft Damper	259.21	42.28
23 33 13 23-0056 EA 24" x 40" Horizontally Mounted Backdraft Damper	254.28	45.51
23 33 13 23-0057 EA 24" x 44" Horizontally Mounted Backdraft Damper	275.80	48.83
23 33 13 23-0058 EA 24" x 48" Horizontally Mounted Backdraft Damper	287.56	48.83
23 33 13 23-0059 EA 28" x 6" Horizontally Mounted Backdraft Damper	106.37	16.31
23 33 13 23-0060 EA 28" x 8" Horizontally Mounted Backdraft Damper	130.43	17.87
23 33 13 23-0061 EA 28" x 10" Horizontally Mounted Backdraft Damper	162.43	21.09
23 33 13 23-0062 EA 28" x 12" Horizontally Mounted Backdraft Damper	145.26	24.42
23 33 13 23-0063 EA 28" x 14" Horizontally Mounted Backdraft Damper	162.14	25.97
23 33 13 23-0064 EA 28" x 16" Horizontally Mounted Backdraft Damper	183.91	29.30
23 33 13 23-0065 EA 28" x 18" Horizontally Mounted Backdraft Damper	205.68	32.51
23 33 13 23-0066 EA 28" x 20" Horizontally Mounted Backdraft Damper	217.67	32.51
23 33 13 23-0067 EA 28" x 24" Horizontally Mounted Backdraft Damper	210.28	35.74
23 33 13 23-0068 EA 28" x 28" Horizontally Mounted Backdraft Damper	237.20	39.06
23 33 13 23-0069 EA 28" x 32" Horizontally Mounted Backdraft Damper	264.11	42.28
23 33 13 23-0070 EA 28" x 36" Horizontally Mounted Backdraft Damper	269.92	48.83
23 33 13 23-0071 EA 28" x 40" Horizontally Mounted Backdraft Damper	283.64	48.83
23 33 13 23-0072 EA 28" x 44" Horizontally Mounted Backdraft Damper	307.12	52.05
23 33 13 23-0073 EA 28" x 48" Horizontally Mounted Backdraft Damper	330.60	55.27
23 33 13 23-0074 EA 28" x 52" Horizontally Mounted Backdraft Damper	344.32	55.27
23 33 13 23-0075 EA 28" x 56" Horizontally Mounted Backdraft Damper	343.80	58.49
23 33 13 23-0076 EA 28" x 60" Horizontally Mounted Backdraft Damper	355.79	58.49
23 33 13 23-0077 EA 32" x 6" Horizontally Mounted Backdraft Damper	119.46	17.87
23 33 13 23-0078 EA 32" x 8" Horizontally Mounted Backdraft Damper	153.95	21.09
23 33 13 23-0079 EA 32" x 10" Horizontally Mounted Backdraft Damper	181.45	22.75
23 33 13 23-0080 EA 32" x 12" Horizontally Mounted Backdraft Damper	160.42	25.97
23 33 13 23-0081 EA 32" x 14" Horizontally Mounted Backdraft Damper	183.91	29.30
23 33 13 23-0082 EA 32" x 16" Horizontally Mounted Backdraft Damper	207.38	32.51
23 33 13 23-0083 EA 32" x 18" Horizontally Mounted Backdraft Damper	185.82	32.51
23 33 13 23-0084 EA 32" x 20" Horizontally Mounted Backdraft Damper	205.40	35.74
23 33 13 23-0085 EA 32" x 24" Horizontally Mounted Backdraft Damper	234.75	39.06
23 33 13 23-0086 EA 32" x 28" Horizontally Mounted Backdraft Damper	264.11	42.28
23 33 13 23-0087 EA 32" x 32" Horizontally Mounted Backdraft Damper	271.88	48.83
23 33 13 23-0088 EA 32" x 36" Horizontally Mounted Backdraft Damper	287.56	48.83
23 33 13 23-0089 EA 32" x 40" Horizontally Mounted Backdraft Damper	313.00	52.05
23 33 13 23-0090 EA 32" x 44" Horizontally Mounted Backdraft Damper	338.44	55.27
23 33 13 23-0091 EA 32" x 48" Horizontally Mounted Backdraft Damper	340.37	58.49
23 33 13 23-0092 EA 32" x 52" Horizontally Mounted Backdraft Damper	354.09	58.49
23 33 13 23-0093 EA 32" x 56" Horizontally Mounted Backdraft Damper	377.56	61.81
23 33 13 23-0094 EA 32" x 60" Horizontally Mounted Backdraft Damper	391.28	61.81
23 33 13 23-0095 EA 32" x 64" Horizontally Mounted Backdraft Damper	383.40	65.04
23 33 13 23-0096 EA 32" x 68" Horizontally Mounted Backdraft Damper	395.15	65.04
23 33 13 23-0097 EA 32" x 72" Horizontally Mounted Backdraft Damper	416.68	68.26
23 33 13 23-0098 EA 36" x 6" Horizontally Mounted Backdraft Damper	127.68	17.87
23 33 13 23-0099 EA 36" x 8" Horizontally Mounted Backdraft Damper	170.14	22.75
23 33 13 23-0100 EA 36" x 10" Horizontally Mounted Backdraft Damper	155.29	25.97
23 33 13 23-0101 EA 36" x 12" Horizontally Mounted Backdraft Damper	180.47	29.30
23 33 13 23-0102 EA 36" x 14" Horizontally Mounted Backdraft Damper	205.68	32.51
23 33 13 23-0103 EA 36" x 16" Horizontally Mounted Backdraft Damper	185.82	32.51
23 33 13 23-0104 EA 36" x 18" Horizontally Mounted Backdraft Damper	206.61	35.74
23 33 13 23-0105 EA 36" x 20" Horizontally Mounted Backdraft Damper	227.39	39.06
23 33 13 23-0106 EA 36" x 24" Horizontally Mounted Backdraft Damper	259.21	42.28
23 33 13 23-0107 EA 36" x 28" Horizontally Mounted Backdraft Damper	269.92	48.83
23 33 13 23-0108 EA 36" x 32" Horizontally Mounted Backdraft Damper	287.56	48.83
23 33 13 23-0109 EA 36" x 36" Horizontally Mounted Backdraft Damper	314.95	52.05
23 33 13 23-0110 EA 36" x 40" Horizontally Mounted Backdraft Damper	342.35	55.27
23 33 13 23-0111 EA 36" x 44" Horizontally Mounted Backdraft Damper	345.50	58.49
23 33 13 23-0112 EA 36" x 48" Horizontally Mounted Backdraft Damper	370.70	61.81

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 33 13 23-0113	EA	36" x 52" Horizontally Mounted Backdraft Damper	386.13	61.81
23 33 13 23-0114	EA	36" x 56" Horizontally Mounted Backdraft Damper	380.46	65.04
23 33 13 23-0115	EA	36" x 60" Horizontally Mounted Backdraft Damper	393.69	65.04
23 33 13 23-0116	EA	36" x 64" Horizontally Mounted Backdraft Damper	416.68	68.26
23 33 13 23-0117	EA	36" x 68" Horizontally Mounted Backdraft Damper	429.90	68.26
23 33 13 23-0118	EA	36" x 72" Horizontally Mounted Backdraft Damper	443.14	68.26
23 33 13 23-0119	EA	40" x 6" Horizontally Mounted Backdraft Damper	140.80	19.53
23 33 13 23-0120	EA	40" x 8" Horizontally Mounted Backdraft Damper	186.34	24.42
23 33 13 23-0121	EA	40" x 10" Horizontally Mounted Backdraft Damper	163.86	25.97
23 33 13 23-0122	EA	40" x 12" Horizontally Mounted Backdraft Damper	190.76	29.30
23 33 13 23-0123	EA	40" x 14" Horizontally Mounted Backdraft Damper	217.67	32.51
23 33 13 23-0124	EA	40" x 16" Horizontally Mounted Backdraft Damper	205.40	35.74
23 33 13 23-0125	EA	40" x 18" Horizontally Mounted Backdraft Damper	227.39	39.06
23 33 13 23-0126	EA	40" x 20" Horizontally Mounted Backdraft Damper	249.40	42.28
23 33 13 23-0127	EA	40" x 24" Horizontally Mounted Backdraft Damper	254.28	45.51
23 33 13 23-0128	EA	40" x 28" Horizontally Mounted Backdraft Damper	283.64	48.83
23 33 13 23-0129	EA	40" x 32" Horizontally Mounted Backdraft Damper	313.00	52.05
23 33 13 23-0130	EA	40" x 36" Horizontally Mounted Backdraft Damper	342.35	55.27
23 33 13 23-0131	EA	40" x 40" Horizontally Mounted Backdraft Damper	347.22	58.49
23 33 13 23-0132	EA	40" x 44" Horizontally Mounted Backdraft Damper	374.12	61.81
23 33 13 23-0133	EA	40" x 48" Horizontally Mounted Backdraft Damper	391.28	61.81
23 33 13 23-0134	EA	40" x 50" Horizontally Mounted Backdraft Damper	379.00	65.04
23 33 13 23-0135	EA	44" x 6" Horizontally Mounted Backdraft Damper	156.78	21.09
23 33 13 23-0136	EA	44" x 8" Horizontally Mounted Backdraft Damper	153.57	25.97
23 33 13 23-0137	EA	44" x 10" Horizontally Mounted Backdraft Damper	182.19	29.30
23 33 13 23-0138	EA	44" x 12" Horizontally Mounted Backdraft Damper	210.82	32.51
23 33 13 23-0139	EA	44" x 14" Horizontally Mounted Backdraft Damper	201.71	35.74
23 33 13 23-0140	EA	44" x 16" Horizontally Mounted Backdraft Damper	224.94	39.06
23 33 13 23-0141	EA	44" x 18" Horizontally Mounted Backdraft Damper	238.42	39.06
23 33 13 23-0142	EA	44" x 20" Horizontally Mounted Backdraft Damper	261.66	42.28
23 33 13 23-0143	EA	44" x 24" Horizontally Mounted Backdraft Damper	275.80	48.83
23 33 13 23-0144	EA	44" x 28" Horizontally Mounted Backdraft Damper	307.12	52.05
23 33 13 23-0145	EA	44" x 32" Horizontally Mounted Backdraft Damper	338.44	55.27
23 33 13 23-0146	EA	44" x 36" Horizontally Mounted Backdraft Damper	345.50	58.49
23 33 13 23-0147	EA	44" x 40" Horizontally Mounted Backdraft Damper	374.12	61.81
23 33 13 23-0148	EA	44" x 44" Horizontally Mounted Backdraft Damper	392.98	61.81
23 33 13 23-0149	EA	44" x 48" Horizontally Mounted Backdraft Damper	389.29	65.04
23 33 13 23-0150	EA	44" x 50" Horizontally Mounted Backdraft Damper	397.35	65.04
23 33 13 23-0151	EA	48" x 6" Horizontally Mounted Backdraft Damper	170.14	22.75
23 33 13 23-0152	EA	48" x 8" Horizontally Mounted Backdraft Damper	160.42	25.97
23 33 13 23-0153	EA	48" x 10" Horizontally Mounted Backdraft Damper	190.76	29.30
23 33 13 23-0154	EA	48" x 12" Horizontally Mounted Backdraft Damper	185.82	32.51
23 33 13 23-0155	EA	48" x 14" Horizontally Mounted Backdraft Damper	210.28	35.74
23 33 13 23-0156	EA	48" x 16" Horizontally Mounted Backdraft Damper	234.75	39.06
23 33 13 23-0157	EA	48" x 18" Horizontally Mounted Backdraft Damper	259.21	42.28
23 33 13 23-0158	EA	48" x 20" Horizontally Mounted Backdraft Damper	254.28	45.51
23 33 13 23-0159	EA	48" x 24" Horizontally Mounted Backdraft Damper	287.56	48.83
23 33 13 23-0160	EA	48" x 28" Horizontally Mounted Backdraft Damper	330.60	55.27
23 33 13 23-0161	EA	48" x 32" Horizontally Mounted Backdraft Damper	340.37	58.49
23 33 13 23-0162	EA	48" x 36" Horizontally Mounted Backdraft Damper	370.70	61.81
23 33 13 23-0163	EA	48" x 40" Horizontally Mounted Backdraft Damper	391.28	61.81
23 33 13 23-0164	EA	48" x 44" Horizontally Mounted Backdraft Damper	389.29	65.04
23 33 13 23-0165	EA	48" x 48" Horizontally Mounted Backdraft Damper	416.68	68.26
23 33 13 23-0166	EA	48" x 50" Horizontally Mounted Backdraft Damper	425.50	68.26
23 33 13 23-0167	EA	50" x 6" Horizontally Mounted Backdraft Damper	174.38	22.75
23 33 13 23-0168	EA	50" x 8" Horizontally Mounted Backdraft Damper	173.62	29.30
23 33 13 23-0169	EA	50" x 10" Horizontally Mounted Backdraft Damper	204.82	32.51
23 33 13 23-0170	EA	50" x 12" Horizontally Mounted Backdraft Damper	199.26	35.74
23 33 13 23-0171	EA	50" x 14" Horizontally Mounted Backdraft Damper	224.34	39.06
23 33 13 23-0172	EA	50" x 16" Horizontally Mounted Backdraft Damper	249.40	42.28
23 33 13 23-0173	EA	50" x 18" Horizontally Mounted Backdraft Damper	274.48	45.51
23 33 13 23-0174	EA	50" x 20" Horizontally Mounted Backdraft Damper	268.93	48.83
23 33 13 23-0175	EA	50" x 24" Horizontally Mounted Backdraft Damper	303.20	52.05
23 33 13 23-0176	EA	50" x 28" Horizontally Mounted Backdraft Damper	337.45	55.27
23 33 13 23-0177	EA	50" x 32" Horizontally Mounted Backdraft Damper	347.22	58.49
23 33 13 23-0178	EA	50" x 36" Horizontally Mounted Backdraft Damper	378.42	61.81
23 33 13 23-0179	EA	50" x 40" Horizontally Mounted Backdraft Damper	379.00	65.04
23 33 13 23-0180	EA	50" x 44" Horizontally Mounted Backdraft Damper	397.35	65.04
23 33 13 23-0181	EA	50" x 48" Horizontally Mounted Backdraft Damper	425.50	68.26
23 33 13 23-0182	EA	50" x 50" Horizontally Mounted Backdraft Damper	434.68	68.26

23 33 13 23-0183 Vertically Mounted Backdraft Damper (23 33 13 23)

Note: Galvanized steel frame, aluminum blades. Excludes motor pack.

23 33 13 23-0184	EA	6" x 6" Vertically Mounted Backdraft Damper	76.56	10.84
23 33 13 23-0185	EA	8" x 6" Vertically Mounted Backdraft Damper	92.73	11.33
23 33 13 23-0186	EA	10" x 6" Vertically Mounted Backdraft Damper	95.37	11.42
23 33 13 23-0187	EA	8" x 8" Vertically Mounted Backdraft Damper	99.45	11.42
23 33 13 23-0188	EA	12" x 6" Vertically Mounted Backdraft Damper	108.59	11.72
23 33 13 23-0189	EA	10" x 8" Vertically Mounted Backdraft Damper	120.65	12.99
23 33 13 23-0190	EA	14" x 6" Vertically Mounted Backdraft Damper	120.83	11.72



Heating, Ventilating, and Air-Conditioning (HVAC)

23

HVAC Air Distribution

23 30

Air Duct Accessories

23 33

23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0191	EA	12" x 8" Vertically Mounted Backdraft Damper	136.96	12.99
23 33 13 23-0192	EA	16" x 6" Vertically Mounted Backdraft Damper	138.91	13.67
23 33 13 23-0193	EA	10" x 10" Vertically Mounted Backdraft Damper	145.93	14.65
23 33 13 23-0194	EA	18" x 6" Vertically Mounted Backdraft Damper	117.62	12.40
23 33 13 23-0195	EA	14" x 8" Vertically Mounted Backdraft Damper	124.51	13.67
23 33 13 23-0196	EA	12" x 10" Vertically Mounted Backdraft Damper	133.41	14.65
23 33 13 23-0197	EA	20" x 6" Vertically Mounted Backdraft Damper	138.29	16.31
23 33 13 23-0198	EA	16" x 8" Vertically Mounted Backdraft Damper	149.13	17.87
23 33 13 23-0199	EA	14" x 10" Vertically Mounted Backdraft Damper	143.42	12.99
23 33 13 23-0200	EA	12" x 12" Vertically Mounted Backdraft Damper	151.30	14.65
23 33 13 23-0201	EA	18" x 8" Vertically Mounted Backdraft Damper	134.28	16.31
23 33 13 23-0202	EA	24" x 6" Vertically Mounted Backdraft Damper	134.28	16.31
23 33 13 23-0203	EA	16" x 10" Vertically Mounted Backdraft Damper	148.65	17.87
23 33 13 23-0204	EA	20" x 8" Vertically Mounted Backdraft Damper	153.54	19.53
23 33 13 23-0205	EA	14" x 12" Vertically Mounted Backdraft Damper	140.69	13.67
23 33 13 23-0206	EA	28" x 6" Vertically Mounted Backdraft Damper	143.63	14.65
23 33 13 23-0207	EA	18" x 10" Vertically Mounted Backdraft Damper	155.63	16.31
23 33 13 23-0208	EA	16" x 12" Vertically Mounted Backdraft Damper	167.63	17.87
23 33 13 23-0209	EA	24" x 8" Vertically Mounted Backdraft Damper	172.52	19.53
23 33 13 23-0210	EA	32" x 6" Vertically Mounted Backdraft Damper	177.39	21.09
23 33 13 23-0211	EA	14" x 14" Vertically Mounted Backdraft Damper	189.54	24.42
23 33 13 23-0212	EA	20" x 10" Vertically Mounted Backdraft Damper	188.55	25.97
23 33 13 23-0213	EA	18" x 12" Vertically Mounted Backdraft Damper	207.15	29.30
23 33 13 23-0214	EA	36" x 6" Vertically Mounted Backdraft Damper	163.22	14.65
23 33 13 23-0215	EA	16" x 14" Vertically Mounted Backdraft Damper	172.52	16.31
23 33 13 23-0216	EA	28" x 8" Vertically Mounted Backdraft Damper	177.40	17.87
23 33 13 23-0217	EA	20" x 12" Vertically Mounted Backdraft Damper	191.11	19.53
23 33 13 23-0218	EA	24" x 10" Vertically Mounted Backdraft Damper	195.98	21.09
23 33 13 23-0219	EA	40" x 6" Vertically Mounted Backdraft Damper	200.86	22.75
23 33 13 23-0220	EA	18" x 14" Vertically Mounted Backdraft Damper	217.27	25.97
23 33 13 23-0221	EA	16" x 16" Vertically Mounted Backdraft Damper	219.47	25.97
23 33 13 23-0222	EA	32" x 8" Vertically Mounted Backdraft Damper	229.23	29.30
23 33 13 23-0223	EA	44" x 6" Vertically Mounted Backdraft Damper	243.42	32.51
23 33 13 23-0224	EA	20" x 14" Vertically Mounted Backdraft Damper	262.02	35.74
23 33 13 23-0225	EA	28" x 10" Vertically Mounted Backdraft Damper	271.78	39.06
23 33 13 23-0226	EA	18" x 16" Vertically Mounted Backdraft Damper	207.85	16.31
23 33 13 23-0227	EA	24" x 12" Vertically Mounted Backdraft Damper	212.73	17.87
23 33 13 23-0228	EA	36" x 8" Vertically Mounted Backdraft Damper	217.62	19.53
23 33 13 23-0229	EA	48" x 6" Vertically Mounted Backdraft Damper	222.49	21.09
23 33 13 23-0230	EA	50" x 6" Vertically Mounted Backdraft Damper	238.88	24.42
23 33 13 23-0231	EA	20" x 16" Vertically Mounted Backdraft Damper	254.80	25.97
23 33 13 23-0232	EA	32" x 10" Vertically Mounted Backdraft Damper	264.56	29.30
23 33 13 23-0233	EA	40" x 8" Vertically Mounted Backdraft Damper	264.56	29.30
23 33 13 23-0234	EA	18" x 18" Vertically Mounted Backdraft Damper	239.00	32.51
23 33 13 23-0235	EA	24" x 14" Vertically Mounted Backdraft Damper	229.14	35.74
23 33 13 23-0236	EA	28" x 12" Vertically Mounted Backdraft Damper	238.90	39.06
23 33 13 23-0237	EA	44" x 8" Vertically Mounted Backdraft Damper	254.47	42.28
23 33 13 23-0238	EA	18" x 20" Vertically Mounted Backdraft Damper	267.12	45.51
23 33 13 23-0239	EA	20" x 18" Vertically Mounted Backdraft Damper	276.89	48.83
23 33 13 23-0240	EA	36" x 10" Vertically Mounted Backdraft Damper	276.89	48.83
23 33 13 23-0241	EA	24" x 16" Vertically Mounted Backdraft Damper	187.94	16.31
23 33 13 23-0242	EA	32" x 12" Vertically Mounted Backdraft Damper	192.82	17.87
23 33 13 23-0243	EA	48" x 8" Vertically Mounted Backdraft Damper	202.58	21.09
23 33 13 23-0244	EA	28" x 14" Vertically Mounted Backdraft Damper	215.25	24.42
23 33 13 23-0245	EA	20" x 20" Vertically Mounted Backdraft Damper	223.03	25.97
23 33 13 23-0246	EA	40" x 10" Vertically Mounted Backdraft Damper	232.79	29.30
23 33 13 23-0247	EA	50" x 8" Vertically Mounted Backdraft Damper	242.56	32.51
23 33 13 23-0248	EA	18" x 24" Vertically Mounted Backdraft Damper	254.15	32.51
23 33 13 23-0249	EA	24" x 18" Vertically Mounted Backdraft Damper	263.92	35.74
23 33 13 23-0250	EA	36" x 12" Vertically Mounted Backdraft Damper	273.68	39.06
23 33 13 23-0251	EA	44" x 10" Vertically Mounted Backdraft Damper	286.35	42.28
23 33 13 23-0252	EA	28" x 16" Vertically Mounted Backdraft Damper	308.78	48.83
23 33 13 23-0253	EA	32" x 14" Vertically Mounted Backdraft Damper	308.78	48.83
23 33 13 23-0254	EA	20" x 24" Vertically Mounted Backdraft Damper	331.59	52.05
23 33 13 23-0255	EA	24" x 20" Vertically Mounted Backdraft Damper	314.66	55.27
23 33 13 23-0256	EA	40" x 12" Vertically Mounted Backdraft Damper	314.66	55.27
23 33 13 23-0257	EA	48" x 10" Vertically Mounted Backdraft Damper	324.43	58.49
23 33 13 23-0258	EA	50" x 10" Vertically Mounted Backdraft Damper	330.62	58.49
23 33 13 23-0259	EA	28" x 18" Vertically Mounted Backdraft Damper	209.78	17.87
23 33 13 23-0260	EA	36" x 14" Vertically Mounted Backdraft Damper	219.54	21.09
23 33 13 23-0261	EA	32" x 16" Vertically Mounted Backdraft Damper	226.91	22.75
23 33 13 23-0262	EA	44" x 12" Vertically Mounted Backdraft Damper	241.62	25.97
23 33 13 23-0263	EA	20" x 28" Vertically Mounted Backdraft Damper	261.29	29.30
23 33 13 23-0264	EA	28" x 20" Vertically Mounted Backdraft Damper	271.06	32.51
23 33 13 23-0265	EA	40" x 14" Vertically Mounted Backdraft Damper	271.06	32.51
23 33 13 23-0266	EA	24" x 24" Vertically Mounted Backdraft Damper	285.79	35.74
23 33 13 23-0267	EA	32" x 18" Vertically Mounted Backdraft Damper	295.55	39.06
23 33 13 23-0268	EA	36" x 16" Vertically Mounted Backdraft Damper	305.32	42.28
23 33 13 23-0269	EA	48" x 12" Vertically Mounted Backdraft Damper	324.85	48.83
23 33 13 23-0270	EA	50" x 12" Vertically Mounted Backdraft Damper	332.29	48.83
23 33 13 23-0271	EA	44" x 14" Vertically Mounted Backdraft Damper	347.01	52.05

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 33 13 23-0272	EA	20" x 32" Vertically Mounted Backdraft Damper.....	364.20	55.27
23 33 13 23-0273	EA	32" x 20" Vertically Mounted Backdraft Damper.....	373.97	58.49
23 33 13 23-0274	EA	40" x 16" Vertically Mounted Backdraft Damper.....	373.97	58.49
23 33 13 23-0275	EA	36" x 18" Vertically Mounted Backdraft Damper.....	386.20	61.81
23 33 13 23-0276	EA	24" x 28" Vertically Mounted Backdraft Damper.....	394.88	61.81
23 33 13 23-0277	EA	28" x 24" Vertically Mounted Backdraft Damper.....	386.69	65.04
23 33 13 23-0278	EA	48" x 14" Vertically Mounted Backdraft Damper.....	386.69	65.04
23 33 13 23-0279	EA	50" x 14" Vertically Mounted Backdraft Damper.....	404.44	68.26
23 33 13 23-0280	EA	44" x 16" Vertically Mounted Backdraft Damper.....	254.21	17.87
23 33 13 23-0281	EA	20" x 36" Vertically Mounted Backdraft Damper.....	273.41	22.75
23 33 13 23-0282	EA	36" x 20" Vertically Mounted Backdraft Damper.....	283.18	25.97
23 33 13 23-0283	EA	40" x 18" Vertically Mounted Backdraft Damper.....	292.94	29.30
23 33 13 23-0284	EA	24" x 32" Vertically Mounted Backdraft Damper.....	316.38	32.51
23 33 13 23-0285	EA	32" x 24" Vertically Mounted Backdraft Damper.....	316.38	32.51
23 33 13 23-0286	EA	48" x 16" Vertically Mounted Backdraft Damper.....	326.15	35.74
23 33 13 23-0287	EA	28" x 28" Vertically Mounted Backdraft Damper.....	340.47	39.06
23 33 13 23-0288	EA	44" x 18" Vertically Mounted Backdraft Damper.....	352.51	42.28
23 33 13 23-0289	EA	40" x 20" Vertically Mounted Backdraft Damper.....	374.32	48.83
23 33 13 23-0290	EA	50" x 16" Vertically Mounted Backdraft Damper.....	374.32	48.83
23 33 13 23-0291	EA	24" x 36" Vertically Mounted Backdraft Damper.....	402.32	52.05
23 33 13 23-0292	EA	36" x 24" Vertically Mounted Backdraft Damper.....	412.08	55.27
23 33 13 23-0293	EA	48" x 18" Vertically Mounted Backdraft Damper.....	421.85	58.49
23 33 13 23-0294	EA	44" x 20" Vertically Mounted Backdraft Damper.....	436.17	61.81
23 33 13 23-0295	EA	28" x 32" Vertically Mounted Backdraft Damper.....	440.73	61.81
23 33 13 23-0296	EA	32" x 28" Vertically Mounted Backdraft Damper.....	450.49	65.04
23 33 13 23-0297	EA	50" x 18" Vertically Mounted Backdraft Damper.....	451.62	65.04
23 33 13 23-0298	EA	24" x 40" Vertically Mounted Backdraft Damper.....	478.48	68.26
23 33 13 23-0299	EA	40" x 24" Vertically Mounted Backdraft Damper.....	478.48	68.26
23 33 13 23-0300	EA	48" x 20" Vertically Mounted Backdraft Damper.....	478.48	68.26
23 33 13 23-0301	EA	50" x 20" Vertically Mounted Backdraft Damper.....	343.40	19.53
23 33 13 23-0302	EA	28" x 36" Vertically Mounted Backdraft Damper.....	360.32	24.42
23 33 13 23-0303	EA	36" x 28" Vertically Mounted Backdraft Damper.....	365.20	25.97
23 33 13 23-0304	EA	32" x 32" Vertically Mounted Backdraft Damper.....	379.52	29.30
23 33 13 23-0305	EA	24" x 44" Vertically Mounted Backdraft Damper.....	365.89	32.51
23 33 13 23-0306	EA	44" x 24" Vertically Mounted Backdraft Damper.....	375.66	35.74
23 33 13 23-0307	EA	28" x 40" Vertically Mounted Backdraft Damper.....	401.66	39.06
23 33 13 23-0308	EA	40" x 28" Vertically Mounted Backdraft Damper.....	411.43	42.28
23 33 13 23-0309	EA	24" x 48" Vertically Mounted Backdraft Damper.....	429.33	45.51
23 33 13 23-0310	EA	32" x 36" Vertically Mounted Backdraft Damper.....	439.10	48.83
23 33 13 23-0311	EA	36" x 32" Vertically Mounted Backdraft Damper.....	448.87	52.05
23 33 13 23-0312	EA	48" x 24" Vertically Mounted Backdraft Damper.....	458.63	55.27
23 33 13 23-0313	EA	50" x 24" Vertically Mounted Backdraft Damper.....	480.59	58.49
23 33 13 23-0314	EA	28" x 44" Vertically Mounted Backdraft Damper.....	498.47	61.81
23 33 13 23-0315	EA	44" x 28" Vertically Mounted Backdraft Damper.....	498.47	61.81
23 33 13 23-0316	EA	32" x 40" Vertically Mounted Backdraft Damper.....	520.43	65.04
23 33 13 23-0317	EA	40" x 32" Vertically Mounted Backdraft Damper.....	388.60	21.09
23 33 13 23-0318	EA	36" x 36" Vertically Mounted Backdraft Damper.....	407.31	25.97
23 33 13 23-0319	EA	28" x 48" Vertically Mounted Backdraft Damper.....	429.26	29.30
23 33 13 23-0320	EA	48" x 28" Vertically Mounted Backdraft Damper.....	439.03	32.51
23 33 13 23-0321	EA	50" x 28" Vertically Mounted Backdraft Damper.....	463.02	35.74
23 33 13 23-0322	EA	32" x 44" Vertically Mounted Backdraft Damper.....	474.82	39.06
23 33 13 23-0323	EA	44" x 32" Vertically Mounted Backdraft Damper.....	474.82	39.06
23 33 13 23-0324	EA	36" x 40" Vertically Mounted Backdraft Damper.....	493.74	42.28
23 33 13 23-0325	EA	40" x 36" Vertically Mounted Backdraft Damper.....	475.67	48.83
23 33 13 23-0326	EA	28" x 52" Vertically Mounted Backdraft Damper.....	489.09	52.05
23 33 13 23-0327	EA	32" x 48" Vertically Mounted Backdraft Damper.....	517.14	55.27
23 33 13 23-0328	EA	48" x 32" Vertically Mounted Backdraft Damper.....	526.91	58.49
23 33 13 23-0329	EA	28" x 56" Vertically Mounted Backdraft Damper.....	543.99	61.81
23 33 13 23-0330	EA	36" x 44" Vertically Mounted Backdraft Damper.....	547.66	61.81
23 33 13 23-0331	EA	44" x 36" Vertically Mounted Backdraft Damper.....	557.42	65.04
23 33 13 23-0332	EA	40" x 40" Vertically Mounted Backdraft Damper.....	561.07	65.04
23 33 13 23-0333	EA	50" x 32" Vertically Mounted Backdraft Damper.....	434.12	22.75
23 33 13 23-0334	EA	32" x 52" Vertically Mounted Backdraft Damper.....	458.52	25.97
23 33 13 23-0335	EA	28" x 60" Vertically Mounted Backdraft Damper.....	471.93	29.30
23 33 13 23-0336	EA	36" x 48" Vertically Mounted Backdraft Damper.....	492.69	32.51
23 33 13 23-0337	EA	48" x 36" Vertically Mounted Backdraft Damper.....	502.46	35.74
23 33 13 23-0338	EA	40" x 44" Vertically Mounted Backdraft Damper.....	519.54	39.06
23 33 13 23-0339	EA	44" x 40" Vertically Mounted Backdraft Damper.....	529.31	42.28
23 33 13 23-0340	EA	32" x 56" Vertically Mounted Backdraft Damper.....	546.37	45.51
23 33 13 23-0341	EA	50" x 36" Vertically Mounted Backdraft Damper.....	512.25	48.83
23 33 13 23-0342	EA	36" x 52" Vertically Mounted Backdraft Damper.....	546.41	55.27
23 33 13 23-0343	EA	32" x 60" Vertically Mounted Backdraft Damper.....	565.93	58.49
23 33 13 23-0344	EA	40" x 48" Vertically Mounted Backdraft Damper.....	575.69	61.81
23 33 13 23-0345	EA	48" x 40" Vertically Mounted Backdraft Damper.....	575.69	61.81
23 33 13 23-0346	EA	44" x 44" Vertically Mounted Backdraft Damper.....	588.71	65.04
23 33 13 23-0347	EA	40" x 50" Vertically Mounted Backdraft Damper.....	611.49	68.26
23 33 13 23-0348	EA	50" x 40" Vertically Mounted Backdraft Damper.....	611.49	68.26
23 33 13 23-0349	EA	36" x 56" Vertically Mounted Backdraft Damper.....	478.01	22.75
23 33 13 23-0350	EA	32" x 64" Vertically Mounted Backdraft Damper.....	504.05	29.30
23 33 13 23-0351	EA	44" x 48" Vertically Mounted Backdraft Damper.....	526.83	32.51
23 33 13 23-0352	EA	48" x 44" Vertically Mounted Backdraft Damper.....	536.60	35.74

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Air Distribution

23 30

Air Duct Accessories

23 33

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0353 EA 36" x 60" Vertically Mounted Backdraft Damper	556.11	39.06
23 33 13 23-0354 EA 32" x 68" Vertically Mounted Backdraft Damper	569.13	42.28
23 33 13 23-0355 EA 44" x 50" Vertically Mounted Backdraft Damper	527.88	45.51
23 33 13 23-0356 EA 50" x 44" Vertically Mounted Backdraft Damper	537.65	48.83
23 33 13 23-0357 EA 32" x 72" Vertically Mounted Backdraft Damper	565.91	52.05
23 33 13 23-0358 EA 36" x 64" Vertically Mounted Backdraft Damper	575.67	55.27
23 33 13 23-0359 EA 48" x 48" Vertically Mounted Backdraft Damper	585.44	58.49
23 33 13 23-0360 EA 48" x 50" Vertically Mounted Backdraft Damper	612.26	61.81
23 33 13 23-0361 EA 50" x 48" Vertically Mounted Backdraft Damper	622.02	65.04
23 33 13 23-0362 EA 36" x 68" Vertically Mounted Backdraft Damper	630.56	65.04
23 33 13 23-0363 EA 50" x 50" Vertically Mounted Backdraft Damper	649.58	68.26
23 33 13 23-0364 EA 36" x 72" Vertically Mounted Backdraft Damper	665.93	68.26
23 33 13 23-0365 Backdraft Damper Accessories (23 33 13 23)		
23 33 13 23-0366 EA For Motor Pack For Horizontally Mounted Backdraft Damper	184.04	26.72
23 33 13 23-0367 EA For Motor Pack For Vertically Mounted Backdraft Damper	303.92	26.72
23 33 13 33 Splitter Damper Hardware (23 33 13)		
23 33 13 33-0001 EA Splitter Damper, Hardware	33.92	6.82
23 33 13 43 Blower Check Valve (23 33 13)		
23 33 13 43-0001 Blower Check Valves With Silicone Seals (23 33 13 43)		
23 33 13 43-0002 EA 2-1/2" Blower Check Valves, Silicone Seals	188.38	25.19
23 33 13 43-0003 EA 3" Blower Check Valves, Silicone Seals	210.52	28.71
23 33 13 43-0004 EA 4" Blower Check Valves, Silicone Seals	270.78	38.09
23 33 13 43-0005 EA 5" Blower Check Valves, Silicone Seals	371.43	43.95
23 33 13 43-0006 EA 6" Blower Check Valves, Silicone Seals	417.26	52.73
23 33 13 43-0007 EA 8" Blower Check Valves, Silicone Seals	618.28	66.79
23 33 13 43-0008 Blower Check Valves With Viton Seats (23 33 13 43)		
23 33 13 43-0009 EA 2-1/2" Blower Check Valves, Viton Seats	257.50	25.19
23 33 13 43-0010 EA 3" Blower Check Valves, Viton Seats	292.67	28.71
23 33 13 43-0011 EA 4" Blower Check Valves, Viton Seats	327.98	38.09
23 33 13 43-0012 EA 5" Blower Check Valves, Viton Seats	457.07	43.95
23 33 13 43-0013 EA 6" Blower Check Valves, Viton Seats	511.80	52.73
23 33 13 43-0014 EA 8" Blower Check Valves, Viton Seats	785.51	66.79
23 33 19 Duct Silencers (23 33)		
23 33 19 00-0001 36" Long Packaged Duct Sound Trap (23 33 19)		
23 33 19 00-0002 EA 12" x 12" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	290.01	39.94
23 33 19 00-0003 EA 12" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	348.41	45.79
23 33 19 00-0004 EA 12" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	451.10	52.61
23 33 19 00-0005 EA 12" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	548.02	59.43
23 33 19 00-0006 EA 24" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	507.67	59.43
23 33 19 00-0007 EA 24" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	647.02	62.35
23 33 19 00-0008 EA 24" x 30" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	714.45	66.24
23 33 19 00-0009 EA 24" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	783.82	70.15
23 33 19 00-0010 EA 24" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,026.38	79.89
23 33 19 00-0011 EA 36" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	643.22	66.24
23 33 19 00-0012 EA 36" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	867.30	79.89
23 33 19 00-0013 EA 36" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,531.78	107.16
23 33 19 00-0014 EA 36" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,693.80	113.01
23 33 19 00-0015 EA 48" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,890.35	121.78
23 33 19 00-0016 EA 48" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,122.20	132.50
23 33 19 00-0017 60" Long Packaged Duct Sound Trap (23 33 19)		
23 33 19 00-0018 EA 12" x 12" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	323.76	87.68
23 33 19 00-0019 EA 12" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	390.07	101.32
23 33 19 00-0020 EA 12" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	506.32	116.90
23 33 19 00-0021 EA 12" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	615.19	131.52
23 33 19 00-0022 EA 24" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	569.33	131.52
23 33 19 00-0023 EA 24" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	728.94	139.31
23 33 19 00-0024 EA 24" x 30" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	802.21	146.13
23 33 19 00-0025 EA 24" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	876.95	153.93
23 33 19 00-0026 EA 24" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,154.76	175.36
23 33 19 00-0027 EA 36" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	721.27	146.13
23 33 19 00-0028 EA 36" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	973.98	175.36
23 33 19 00-0029 EA 36" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,716.09	230.89
23 33 19 00-0030 EA 36" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,914.84	250.38
23 33 19 00-0031 EA 48" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,125.98	265.96
23 33 19 00-0032 EA 48" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,392.27	292.27

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 33 19 00-0033	84" Long Packaged Duct Sound Trap (23 33 19)		
23 33 19 00-0034	EA 6" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	278.34	73.07
23 33 19 00-0035	EA 6" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	475.52	109.11
23 33 19 00-0036	EA 6" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	664.19	159.77
23 33 19 00-0037	EA 12" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	375.02	87.68
23 33 19 00-0038	EA 12" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	465.62	101.32
23 33 19 00-0039	EA 12" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	630.43	116.90
23 33 19 00-0040	EA 12" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	744.27	125.68
23 33 19 00-0041	EA 12" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	812.10	135.41
23 33 19 00-0042	EA 12" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,020.76	146.13
23 33 19 00-0043	EA 12" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,206.51	159.77
23 33 19 00-0044	EA 24" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	698.78	135.41
23 33 19 00-0045	EA 24" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	992.43	141.26
23 33 19 00-0046	EA 24" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,082.82	146.13
23 33 19 00-0047	EA 24" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,179.14	153.93
23 33 19 00-0048	EA 24" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,477.56	165.62
23 33 19 00-0049	EA 24" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,602.65	175.36

23 33 23 Turning Vanes (23 33)

23 33 23 00-0001	Duct Turning Vane Components (23 33 23)		
23 33 23 00-0002	LF Duct Turning Vane Rail	9.96	2.43
	<i>For Stainless Steel, Add</i>	6.38	
23 33 23 00-0003	LF Double Thick Factory Fabricated, Duct Turning Vane	9.41	0.98
	<i>For Stainless Steel, Add</i>	9.61	

23 33 23 00-0004 Duct Turning Vane Sets (23 33 23)

Note: Measured from inside corner to outside corner of ductwork.

23 33 23 00-0005	LF 12" High Duct Turning Vanes, Sets	38.52	3.65
	<i>For Stainless Steel, Add</i>	44.14	
23 33 23 00-0006	LF 14" High Duct Turning Vanes, Sets	47.82	3.89
	<i>For Stainless Steel, Add</i>	55.84	
23 33 23 00-0007	LF 16" High Duct Turning Vanes, Sets	65.28	4.09
	<i>For Stainless Steel, Add</i>	78.17	
23 33 23 00-0008	LF 18" High Duct Turning Vanes, Sets	82.79	4.39
	<i>For Stainless Steel, Add</i>	100.50	
23 33 23 00-0009	LF 20" High Duct Turning Vanes, Sets	91.74	4.68
	<i>For Stainless Steel, Add</i>	111.66	
23 33 23 00-0010	LF 22" High Duct Turning Vanes, Sets	117.15	4.39
	<i>For Stainless Steel, Add</i>	145.18	
23 33 23 00-0011	LF 24" High Duct Turning Vanes, Sets	143.94	5.16
	<i>For Stainless Steel, Add</i>	178.67	
23 33 23 00-0012	LF 26" High Duct Turning Vanes, Sets	154.54	5.40
	<i>For Stainless Steel, Add</i>	192.13	
23 33 23 00-0013	LF 30" High Duct Turning Vanes, Sets	172.53	5.61
	<i>For Stainless Steel, Add</i>	215.18	

23 33 33 Duct-Mounting Access Doors (23 33)

23 33 33 00-0001	Duct Access Doors, Insulated Factory Fabrication (23 33 33)		
23 33 33 00-0002	EA 6" x 6" Duct Access Doors Insulated Factory Fabrication	88.31	13.64
	<i>For Stainless Steel, Add</i>	67.02	
23 33 33 00-0003	EA 10" x 10" Duct Access Doors Insulated Factory Fabrication	95.35	13.64
	<i>For Stainless Steel, Add</i>	81.10	
23 33 33 00-0004	EA 12" x 12" Duct Access Doors Insulated Factory Fabrication	98.79	13.64
	<i>For Stainless Steel, Add</i>	87.98	
23 33 33 00-0005	EA 12" x 18" Duct Access Doors Insulated Factory Fabrication	129.47	16.56
	<i>For Stainless Steel, Add</i>	124.06	
23 33 33 00-0006	EA 16" x 12" Duct Access Doors Insulated Factory Fabrication	130.87	16.56
	<i>For Stainless Steel, Add</i>	126.86	
23 33 33 00-0007	EA 18" x 18" Duct Access Doors Insulated Factory Fabrication	160.68	22.41
	<i>For Stainless Steel, Add</i>	146.00	
23 33 33 00-0008	EA 24" x 18" Duct Access Doors Insulated Factory Fabrication	188.21	27.28
	<i>For Stainless Steel, Add</i>	157.22	
23 33 33 00-0009	EA 24" x 24" Duct Access Doors Insulated Factory Fabrication	242.65	37.02
	<i>For Stainless Steel, Add</i>	193.04	

23 33 43 Flexible Connectors (23 33)

23 33 43 00-0001	LF 6-1/2" Width, Galvanized Steel, Flexible Duct Connector	12.12	2.92
23 33 43 00-0002	LF 5-3/4" Width, Vinyl/Steel, Flexible Duct Connector	12.39	2.63

23 33 46 Flexible Ducts (23 33)

23 33 46 00-0001	Flexible Duct, R8.0 Insulated With Metallized Outer Jacket (23 33 46)		
	Note: Polyester inner liner encapsulating a corrosion resistant steel wire helix, supporting a blanket of fiberglass insulation over a fiberglass scrim and a bi-directional reinforced metallized outer vapor barrier jacket.		
23 33 46 00-0002	LF 4" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	5.57	0.98



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Air Distribution			23 30	
Air Duct Accessories			23 33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 46 00-0003	LF		5" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	6.21	1.95
23 33 46 00-0004	LF		6" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	7.11	1.95
23 33 46 00-0005	LF		7" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	8.31	1.95
23 33 46 00-0006	LF		8" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	9.97	2.92
23 33 46 00-0007	LF		10" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	12.83	2.92
23 33 46 00-0008	LF		12" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	17.52	3.89
23 33 46 00-0009	LF		14" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	21.85	3.89
23 33 46 00-0010	LF		16" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	28.83	4.87
23 33 46 00-0011 Collars, Sheet Metal Spin-In Type With Damper (23 33 46)					
23 33 46 00-0012	EA		Up To 4" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper.....	37.12	5.85
			For Stainless Steel, Add	19.76	
23 33 46 00-0013	EA		5" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper.....	40.45	6.82
			For Stainless Steel, Add	20.02	
23 33 46 00-0014	EA		6" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper.....	46.21	6.82
			For Stainless Steel, Add	22.07	
23 33 46 00-0015	EA		7" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper.....	52.59	8.76
			For Stainless Steel, Add	22.78	
23 33 46 00-0016	EA		8" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper.....	63.63	10.72
			For Stainless Steel, Add	25.73	
23 33 46 00-0017	EA		10" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper.....	74.51	12.67
			For Stainless Steel, Add	31.72	
23 33 46 00-0018	EA		12" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper.....	84.75	14.61
			For Stainless Steel, Add	34.18	
23 33 46 00-0019	EA		14" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper.....	100.14	16.56
			For Stainless Steel, Add	42.80	
23 33 46 00-0020	EA		16" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper.....	109.09	18.51
			For Stainless Steel, Add	46.83	
23 33 53 Duct Liners (23 33)					
23 33 53 00-0001 Fiberglass Duct Liner Board, Rigid, Acoustical Insulation (23 33 53)					
23 33 53 00-0002	SF		1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	10.23	2.69
23 33 53 00-0003	SF		3/4" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	11.17	2.69
23 33 53 00-0004	SF		1" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	12.42	3.59
23 33 53 00-0005	SF		1-1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	15.23	3.59
23 33 53 00-0006	SF		2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	18.37	4.05
23 33 53 00-0007	SF		1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	9.77	2.92
23 33 53 00-0008	SF		3/4" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	10.67	2.92
23 33 53 00-0009	SF		1" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	11.90	3.89
23 33 53 00-0010	SF		1-1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	14.50	3.89
23 33 53 00-0011	SF		2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	17.57	4.39
23 33 53 00-0012 Fiberglass Duct Liner Blanket, Flexible, Acoustical Insulation (23 33 53)					
23 33 53 00-0013	SF		1/2", R2, 2 LB/CF, T200, Fiberglass Duct Liner Blanket.....	2.18	2.34
23 33 53 00-0014	SF		1", R3.8, 1.5 LB/CF, T150, Fiberglass Duct Liner Blanket.....	3.35	2.63
23 33 53 00-0015	SF		1", R4.1, 2 LB/CF, T200, Fiberglass Duct Liner Blanket.....	3.20	2.63
23 33 53 00-0016	SF		1", R4.3, 3 LB/CF, T300, Fiberglass Duct Liner Blanket.....	4.17	2.63
23 33 53 00-0017	SF		1-1/2", T150, 1.5 LB/CF, Fiberglass Duct Liner Blanket.....	3.44	2.92
23 33 53 00-0018	SF		2", R7.7, 1.5 LB/CF, T150 Fiberglass Duct Liner Blanket.....	3.66	3.22
23 33 53 00-0019	SF		2", R8, 2 LB/CF, T200 Fiberglass Duct Liner Blanket.....	5.75	3.22
23 33 56 Duct Air Extractors (23 33)					
23 33 56 00-0001	EA		12" x 4" Duct Air Extractor.....	45.38	16.08
			For Stainless Steel, Add	17.20	
23 33 56 00-0002	EA		8" x 6" Duct Air Extractor.....	48.30	17.54
			For Stainless Steel, Add	17.20	
23 33 56 00-0003	EA		12" x 6" Duct Air Extractor.....	55.32	18.51
			For Stainless Steel, Add	23.79	
23 33 56 00-0004	EA		16" x 6" Duct Air Extractor.....	62.18	19.49
			For Stainless Steel, Add	30.17	
23 33 56 00-0005	EA		24" x 6" Duct Air Extractor.....	81.19	21.43
			For Stainless Steel, Add	49.83	
23 33 56 00-0006	EA		12" x 8" Duct Air Extractor.....	59.48	19.49
			For Stainless Steel, Add	26.66	
23 33 56 00-0007	EA		20" x 8" Duct Air Extractor.....	78.40	24.36
			For Stainless Steel, Add	38.60	
23 33 56 00-0008	EA		18" x 10" Duct Air Extractor.....	84.68	27.76
			For Stainless Steel, Add	37.90	
23 33 56 00-0009	EA		24" x 10" Duct Air Extractor.....	103.07	32.63
			For Stainless Steel, Add	49.13	
23 33 56 00-0010	EA		24" x 12" Duct Air Extractor.....	118.42	38.97
			For Stainless Steel, Add	52.64	
23 33 56 00-0011	EA		30" x 12" Duct Air Extractor.....	148.16	48.71
			For Stainless Steel, Add	65.96	
23 33 59 Duct Pressure Relief Doors (23 33)					

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 59 00-0001 Duct Pressure Relief Doors (23 33 59)				
23 33 59 00-0002	EA	18" x 18" Duct Pressure Relief Door (Ruskin PRD18)	815.99	29.23
23 33 59 00-0003	EA	24" x 10" Duct Pressure Relief Door (Ruskin PRD18)	670.67	24.36
23 33 59 00-0004	EA	24" x 12" Duct Pressure Relief Door (Ruskin PRD18)	666.43	26.79
23 34 HVAC Fans (23 34)				
23 34 13 Axial HVAC Fans (23 34)				
23 34 13 00-0001 Tube-Axial Fans (23 34 13)				
23 34 13 00-0002 Direct Drive Tube-Axial Duct Fans (23 34 13 00-0001)				
23 34 13 00-0003	EA	12" Direct Drive Axial Flow Fan, 1/6 HP 1,060 CFM Constant Speed, 1/8" Static Pressure	1,338.43	299.58
		For 1/4" Static Pressure, Add	59.09	
		For 3/8" Static Pressure, Add	118.19	
		For 1/2" Static Pressure, Add	162.51	
23 34 13 00-0004	EA	12" Direct Drive Axial Flow Fan, 1/2 HP 2,095 CFM Constant Speed, 1/8" Static Pressure	1,391.19	300.47
		For 1/4" Static Pressure, Add	63.31	
		For 3/8" Static Pressure, Add	126.63	
		For 1/2" Static Pressure, Add	174.11	
23 34 13 00-0005	EA	16" Direct Drive Axial Flow Fan, 1/3 HP 2,490 CFM Constant Speed, 1/8" Static Pressure	1,496.71	299.58
		For 1/4" Static Pressure, Add	71.76	
		For 3/8" Static Pressure, Add	143.51	
		For 1/2" Static Pressure, Add	197.33	
23 34 13 00-0006	EA	20" Direct Drive Axial Flow Fan, 3/4 HP 4,130 CFM Constant Speed, 1/8" Static Pressure	1,602.24	300.47
		For 1/4" Static Pressure, Add	80.20	
		For 3/8" Static Pressure, Add	160.40	
		For 1/2" Static Pressure, Add	220.55	
23 34 13 00-0007	EA	22" Direct Drive Axial Flow Fan, 3/4 HP 4,700 CFM Constant Speed, 1/8" Static Pressure	1,880.47	359.86
		For 1/4" Static Pressure, Add	92.86	
		For 3/8" Static Pressure, Add	185.72	
		For 1/2" Static Pressure, Add	255.37	
23 34 13 00-0008	EA	24" Direct Drive Axial Flow Fan, 1 HP 5,850 CFM Constant Speed, 1/8" Static Pressure	2,154.10	391.34
		For 1/4" Static Pressure, Add	109.74	
		For 3/8" Static Pressure, Add	219.49	
		For 1/2" Static Pressure, Add	301.80	
23 34 13 00-0009	EA	24" Direct Drive Axial Flow Fan, 1-1/2 HP 7,925 CFM Constant Speed, 1/8" Static Pressure	2,281.37	428.23
		For 1/4" Static Pressure, Add	113.97	
		For 3/8" Static Pressure, Add	227.93	
		For 1/2" Static Pressure, Add	313.41	
23 34 13 00-0010	EA	30" Direct Drive Axial Flow Fan, 1 HP 10,640 CFM Constant Speed, 1/8" Static Pressure	2,588.01	449.82
		For 1/4" Static Pressure, Add	135.07	
		For 3/8" Static Pressure, Add	270.14	
		For 1/2" Static Pressure, Add	371.44	
23 34 13 00-0011	EA	30" Direct Drive Axial Flow Fan, 2-1/2 HP 14,765 CFM Constant Speed, 1/8" Static Pressure	3,129.50	562.27
		For 1/4" Static Pressure, Add	160.40	
		For 3/8" Static Pressure, Add	320.79	
		For 1/2" Static Pressure, Add	441.09	
23 34 13 00-0012	EA	36" Direct Drive Axial Flow Fan, 2 HP 16,780 CFM Constant Speed, 1/8" Static Pressure	3,521.04	600.05
		For 1/4" Static Pressure, Add	185.72	
		For 3/8" Static Pressure, Add	371.44	
		For 1/2" Static Pressure, Add	510.74	
23 34 13 00-0013	EA	36" Direct Drive Axial Flow Fan, 5 HP 22,920 CFM Constant Speed, 1/8" Static Pressure	4,127.67	691.82
		For 1/4" Static Pressure, Add	219.49	
		For 3/8" Static Pressure, Add	438.98	
		For 1/2" Static Pressure, Add	603.60	
23 34 13 00-0014 Belt Drive Tube-Axial Duct Fans (23 34 13 00-0001)				
23 34 13 00-0015	EA	15" Belt Drive Axial Flow Fan, 1/3 HP 2,800 CFM Constant Speed, 1/8" Static Pressure	1,271.46	290.58
		For 1/4" Static Pressure, Add	55.28	
		For 3/8" Static Pressure, Add	110.57	
		For 1/2" Static Pressure, Add	152.03	
23 34 13 00-0016	EA	15" Belt Drive Axial Flow Fan, 1/2 HP 3,400 CFM Constant Speed, 1/8" Static Pressure	1,345.37	300.47
		For 1/4" Static Pressure, Add	59.65	
		For 3/8" Static Pressure, Add	119.30	
		For 1/2" Static Pressure, Add	164.03	
23 34 13 00-0017	EA	18" Belt Drive Axial Flow Fan, 1/3 HP 3,280 CFM Constant Speed, 1/8" Static Pressure	1,390.29	310.37
		For 1/4" Static Pressure, Add	61.59	
		For 3/8" Static Pressure, Add	123.18	
		For 1/2" Static Pressure, Add	169.37	
23 34 13 00-0018	EA	18" Belt Drive Axial Flow Fan, 1/2 HP 3,900 CFM Constant Speed, 1/8" Static Pressure	1,469.02	321.17
		For 1/4" Static Pressure, Add	66.11	
		For 3/8" Static Pressure, Add	132.23	
		For 1/2" Static Pressure, Add	181.81	
23 34 13 00-0019	EA	18" Belt Drive Axial Flow Fan, 1 HP 5,250 CFM Constant Speed, 1/8" Static Pressure	1,646.39	333.76
		For 1/4" Static Pressure, Add	78.40	
		For 3/8" Static Pressure, Add	156.80	
		For 1/2" Static Pressure, Add	215.60	
23 34 13 00-0020	EA	24" Belt Drive Axial Flow Fan, 1/2 HP 4,800 CFM Constant Speed, 1/8" Static Pressure	1,734.66	346.35
		For 1/4" Static Pressure, Add	83.41	
		For 3/8" Static Pressure, Add	166.82	
		For 1/2" Static Pressure, Add	229.38	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
HVAC Fans			23 34

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
23 34 13 00-0021	EA	24" Belt Drive Axial Flow Fan, 1 HP 6,430 CFM Constant Speed, 1/8" Static Pressure	1,932.08	359.86
		For 1/4" Static Pressure, Add	96.99	
		For 3/8" Static Pressure, Add	193.98	
		For 1/2" Static Pressure, Add	266.72	
23 34 13 00-0022	EA	24" Belt Drive Axial Flow Fan, 2 HP 8,860 CFM Constant Speed, 1/8" Static Pressure	2,163.06	359.86
		For 1/4" Static Pressure, Add	115.56	
		For 3/8" Static Pressure, Add	231.12	
		For 1/2" Static Pressure, Add	317.79	
23 34 13 00-0023	EA	30" Belt Drive Axial Flow Fan, 1 HP 9,250 CFM Constant Speed, 1/8" Static Pressure	2,498.46	391.34
		For 1/4" Static Pressure, Add	137.40	
		For 3/8" Static Pressure, Add	274.80	
		For 1/2" Static Pressure, Add	377.86	
23 34 13 00-0024	EA	30" Belt Drive Axial Flow Fan, 5 HP 16,900 CFM Constant Speed, 1/8" Static Pressure	2,965.61	474.11
		For 1/4" Static Pressure, Add	161.65	
		For 3/8" Static Pressure, Add	323.30	
		For 1/2" Static Pressure, Add	444.54	
23 34 13 00-0025	EA	30" Belt Drive Axial Flow Fan, 5 HP 16,150 CFM Constant Speed, 1/8" Static Pressure	3,356.48	474.11
		For 1/4" Static Pressure, Add	192.60	
		For 3/8" Static Pressure, Add	385.20	
		For 1/2" Static Pressure, Add	529.65	
23 34 13 00-0026	EA	36" Belt Drive Axial Flow Fan, 3/4 HP 8,090 CFM Constant Speed, 1/8" Static Pressure	3,687.75	500.20
		For 1/4" Static Pressure, Add	215.05	
		For 3/8" Static Pressure, Add	430.11	
		For 1/2" Static Pressure, Add	591.40	
23 34 13 00-0027	EA	36" Belt Drive Axial Flow Fan, 2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure	4,022.14	528.99
		For 1/4" Static Pressure, Add	237.30	
		For 3/8" Static Pressure, Add	474.60	
		For 1/2" Static Pressure, Add	652.57	
23 34 13 00-0028	EA	36" Belt Drive Axial Flow Fan, 7-1/2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure	4,612.80	691.82
		For 1/4" Static Pressure, Add	258.64	
		For 3/8" Static Pressure, Add	517.28	
		For 1/2" Static Pressure, Add	711.26	
23 34 13 00-0029	EA	36" Belt Drive Axial Flow Fan, 5 HP 20,080 CFM Constant Speed, 1/8" Static Pressure	5,231.82	692.72
		For 1/4" Static Pressure, Add	308.16	
		For 3/8" Static Pressure, Add	616.32	
		For 1/2" Static Pressure, Add	847.44	
23 34 13 00-0030	EA	42" Belt Drive Axial Flow Fan, 7-1/2 HP 29,000 CFM Constant Speed, 1/8" Static Pressure	5,921.69	817.58
		For 1/4" Static Pressure, Add	343.35	
		For 3/8" Static Pressure, Add	686.71	
		For 1/2" Static Pressure, Add	944.22	
23 34 16 Centrifugal HVAC Fans (23 34)				
23 34 16 00-0001	Centrifugal Fans (23 34 16)			
	Note: All belt fans to be supplied with belt guard.			
23 34 16 00-0002	Utility Backward Inclined Steel Wheel Centrifugal Fans (23 34 16 00-0001)			
	Note: V-belt driven.			
23 34 16 00-0003	Industrial Type Utility Backward Centrifugal Fans (23 34 16 00-0002)			
	Note: Under 30" diameter wheel.			
23 34 16 00-0004	12-1/4" Diameter Wheel 650 To 2,950 CFM At 1/8" Static Pressure (23 34 16 00-0003)			
23 34 16 00-0005	EA	1/6 HP, 12-1/4" Wheel, 450 To 1,750 CFM At 1/8" Static Pressure, Centrifugal Fan	1,013.12	197.65
23 34 16 00-0006	EA	1/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,452.57	205.11
23 34 16 00-0007	EA	1/3 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,494.71	163.46
23 34 16 00-0008	EA	1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,560.94	224.01
23 34 16 00-0009	EA	3/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,599.28	237.50
23 34 16 00-0010	EA	1 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,650.46	247.40
23 34 16 00-0011	EA	1-1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,702.03	263.60
23 34 16 00-0012	13-1/2" Diameter Wheel 734 To 3,343 CFM At 1/8" Static Pressure (23 34 16 00-0003)			
23 34 16 00-0013	EA	1/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,674.62	215.91
23 34 16 00-0014	EA	1/3 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,704.92	224.01
23 34 16 00-0015	EA	1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,761.23	237.50
23 34 16 00-0016	EA	3/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,794.18	247.40
23 34 16 00-0017	EA	1 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,855.11	263.60
23 34 16 00-0018	EA	1-1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,915.62	276.19
23 34 16 00-0019	15" Diameter Wheel 1,258 To 4,146 CFM At 1/8" Static Pressure (23 34 16 00-0003)			
23 34 16 00-0020	EA	1/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,686.96	224.01
23 34 16 00-0021	EA	1/3 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,725.30	237.50
23 34 16 00-0022	EA	1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,776.22	247.40
23 34 16 00-0023	EA	3/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,819.16	263.60
23 34 16 00-0024	EA	1 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,873.71	276.19
23 34 16 00-0025	EA	1-1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,950.00	296.88
23 34 16 00-0026	EA	2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,009.60	312.17
23 34 16 00-0027	16-1/2" Diameter Wheel 977 To 4,711 CFM At 1/8" Static Pressure (23 34 16 00-0003)			

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0028 EA 1/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure.....	1,931.91	237.50
23 34 16 00-0029 EA 1/3 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure.....	2,001.49	247.40
23 34 16 00-0030 EA 1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure.....	2,078.58	263.60
23 34 16 00-0031 EA 3/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure.....	2,119.17	276.19
23 34 16 00-0032 EA 1 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure.....	2,172.55	296.88
23 34 16 00-0033 EA 1-1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure.....	2,218.20	312.17
23 34 16 00-0034 EA 2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure.....	2,463.41	339.16
23 34 16 00-0035 18-1/4" Diameter Wheel 2,193 To 6,498 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0036 EA 1/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure.....	1,996.31	247.40
23 34 16 00-0037 EA 1/3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure.....	2,043.74	263.60
23 34 16 00-0038 EA 1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure.....	2,107.27	276.19
23 34 16 00-0039 EA 3/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure.....	2,156.62	296.88
23 34 16 00-0040 EA 1 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure.....	2,225.20	312.17
23 34 16 00-0041 EA 1-1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure.....	2,328.67	339.16
23 34 16 00-0042 EA 2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure.....	2,395.76	359.86
23 34 16 00-0043 EA 3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure.....	2,495.72	395.84
23 34 16 00-0044 20" Diameter Wheel 2,412 To 7,364 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0045 EA 1/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,016.80	263.60
23 34 16 00-0046 EA 1/3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,080.30	276.19
23 34 16 00-0047 EA 1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,156.62	296.88
23 34 16 00-0048 EA 3/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,225.20	312.17
23 34 16 00-0049 EA 1 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,355.61	339.16
23 34 16 00-0050 EA 1-1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,538.20	359.86
23 34 16 00-0051 EA 2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,665.89	395.84
23 34 16 00-0052 EA 3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,798.56	423.73
23 34 16 00-0053 22-1/4" Diameter Wheel 2,265 To 8,483 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0054 EA 1/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure.....	2,424.67	276.19
23 34 16 00-0055 EA 1/3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure.....	2,469.81	296.88
23 34 16 00-0056 EA 1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure.....	2,532.12	312.17
23 34 16 00-0057 EA 3/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure.....	2,610.14	339.16
23 34 16 00-0058 EA 1 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure.....	2,713.90	359.86
23 34 16 00-0059 EA 1-1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure.....	2,748.23	395.84
23 34 16 00-0060 EA 2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure.....	2,816.52	423.73
23 34 16 00-0061 EA 3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure.....	2,938.55	475.00
23 34 16 00-0062 24-1/2" Diameter Wheel 3,055 To 11,380 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0063 EA 1/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure.....	2,917.20	296.88
23 34 16 00-0064 EA 1/3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure.....	3,011.39	339.16
23 34 16 00-0065 EA 1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure.....	3,105.43	359.86
23 34 16 00-0066 EA 3/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure.....	3,204.88	395.84
23 34 16 00-0067 EA 1-1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure.....	3,292.63	423.73
23 34 16 00-0068 EA 2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure.....	3,369.75	475.00
23 34 16 00-0069 EA 3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure.....	3,477.24	516.39
23 34 16 00-0070 EA 5 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure.....	3,729.32	593.76
23 34 16 00-0071 27" Diameter Wheel 2,734 To 13,266 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0072 EA 1/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,232.81	312.17
23 34 16 00-0073 EA 1/3 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,330.02	359.86
23 34 16 00-0074 EA 1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,429.45	395.84
23 34 16 00-0075 EA 3/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,517.21	423.73
23 34 16 00-0076 EA 1-1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,639.24	475.00
23 34 16 00-0077 EA 2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,746.46	516.39
23 34 16 00-0078 EA 3 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	4,017.63	593.76
23 34 16 00-0079 EA 5 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	4,053.87	659.43
23 34 16 00-0080 Large Industrial Type Utility Backward Centrifugal Fans (23 34 16 00-0002)		
Note: Over 30" diameter wheel.		
23 34 16 00-0081 30" Diameter Wheel 4,926 To 17,456 CFM At 1/8" Static Pressure (23 34 16 00-0080)		
23 34 16 00-0082 EA 1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	4,529.90	395.84
23 34 16 00-0083 EA 3/4 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	4,614.12	423.73
23 34 16 00-0084 EA 1 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	4,744.17	475.00
23 34 16 00-0085 EA 1-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	4,860.38	516.39
23 34 16 00-0086 EA 2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	5,031.89	593.76
23 34 16 00-0087 EA 3 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	5,185.75	659.43
23 34 16 00-0088 EA 5 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	5,439.57	791.67
23 34 16 00-0089 EA 7-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	5,673.77	913.13
23 34 16 00-0090 33" Diameter Wheel 5,734 To 19,799 CFM At 1/8" Static Pressure (23 34 16 00-0080)		



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
HVAC Fans			23 34

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0091	EA	1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	5,313.85	423.73
23 34 16 00-0092	EA	3/4 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	5,480.80	475.00
23 34 16 00-0093	EA	1 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	5,633.21	516.39
23 34 16 00-0094	EA	1-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	5,840.39	593.76
23 34 16 00-0095	EA	2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	6,030.18	659.43
23 34 16 00-0096	EA	3 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	6,319.92	791.67
23 34 16 00-0097	EA	5 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	6,643.92	913.13
23 34 16 00-0098	EA	7-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	7,099.35	1,187.51
23 34 16 00-0099		36-1/2" Diameter Wheel 5,388 To 22,500 CFM At 1/8" Static Pressure (23 34 16 00-0099)		
23 34 16 00-0100	EA	1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure.....	4,400.55	475.00
23 34 16 00-0101	EA	3/4 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure.....	4,463.13	516.39
23 34 16 00-0102	EA	1 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure.....	4,580.47	593.76
23 34 16 00-0103	EA	1-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure.....	4,698.53	659.43
23 34 16 00-0104	EA	2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure.....	5,339.48	791.67
23 34 16 00-0105	EA	3 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure.....	5,600.33	913.13
23 34 16 00-0106	EA	5 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure.....	6,094.44	1,187.51
23 34 16 00-0107	EA	7-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure.....	6,623.15	1,484.39
23 34 16 00-0108		Kitchen System Fans (23 34 16 00-0001)		
23 34 16 00-0109		Upblast Kitchen Exhaust Fans (23 34 16 00-0108)		
23 34 16 00-0110		Direct Drive Kitchen Upblast Exhaust Fans (23 34 16 00-0109) Note: Greenheck CUE.		
23 34 16 00-0111	EA	Up To 12" Wheel Diameter, 1/6 HP Direct Drive, Kitchen Upblast Exhaust Fan.....	986.26	116.95
		Note: 115V. For roof or wall installations. Includes disconnect switch.		
		For Bird Screen, Add	42.63	
		For Backdraft Damper, Add	109.25	
		For Damper Motor, Add	175.59	
23 34 16 00-0112	EA	14" Wheel Diameter, 1/4 HP Direct Drive, Kitchen Upblast Exhaust Fan.....	1,155.61	116.95
		Note: 115V. For roof or wall installations. Includes disconnect switch.		
		For Bird Screen, Add	42.63	
		For Backdraft Damper, Add	109.25	
		For Damper Motor, Add	175.59	
23 34 16 00-0113		Belt Drive Kitchen Upblast Exhaust Fans (23 34 16 00-0109) Note: Greenheck CUBE.		
23 34 16 00-0114	EA	10" Diameter Wheel, Up To 1/3 HP, 1,458 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	1,690.57	116.95
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	42.63	
		For Wall Mounted Fan, Add	67.62	
		For 3 Phase Motor, Deduct	-50.00	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	123.82	
		For Backdraft Damper, Add	109.25	
		For Damper Motor, Add	175.59	
23 34 16 00-0115	EA	12" Diameter Wheel, 1/2 HP, 1,923 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	1,764.07	116.95
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	42.63	
		For Wall Mounted Fan, Add	70.56	
		For 3 Phase Motor, Deduct	-50.00	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	130.06	
		For Backdraft Damper, Add	109.25	
		For Damper Motor, Add	175.59	
23 34 16 00-0116	EA	14" Diameter Wheel, 1/3 HP, 2,006 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	1,516.37	134.95
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	48.51	
		For Wall Mounted Fan, Add	60.65	
		For 3 Phase Motor, Deduct	-50.00	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	105.95	
		For Backdraft Damper, Add	123.98	
		For Damper Motor, Add	175.59	
23 34 16 00-0117	EA	14" Diameter Wheel, 1 HP, 2,757 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	1,622.20	134.95
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	48.51	
		For Wall Mounted Fan, Add	64.89	
		For 3 Phase Motor, Deduct	-50.00	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	114.95	
		For Backdraft Damper, Add	123.98	
		For Damper Motor, Add	175.59	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0118	EA	16" Diameter Wheel, 1/2 HP, 2,940 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,061.11	157.44
		For Bird Screen, Add	48.51	
		For Wall Mounted Fan, Add	82.44	
		For 3 Phase Motor, Deduct	-50.00	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	148.43	
		For Backdraft Damper, Add	123.98	
		For Damper Motor, Add	175.59	
23 34 16 00-0119	EA	16" Diameter Wheel, 1 HP, 3,129 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,174.29	157.44
		For Bird Screen, Add	48.51	
		For Wall Mounted Fan, Add	86.97	
		For 3 Phase Motor, Deduct	-50.00	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	158.05	
		For Backdraft Damper, Add	123.98	
		For Damper Motor, Add	175.59	
23 34 16 00-0120	EA	18" Diameter Wheel, 1/2 HP, 3,243 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,368.76	168.68
		For Bird Screen, Add	80.84	
		For Wall Mounted Fan, Add	94.75	
		For 3 Phase Motor, Deduct	-50.00	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	172.67	
		For Backdraft Damper, Add	154.04	
		For Damper Motor, Add	175.59	
23 34 16 00-0121	EA	18" Diameter Wheel, 1 HP, 4,223 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,545.15	168.68
		For Bird Screen, Add	80.84	
		For Wall Mounted Fan, Add	101.81	
		For 3 Phase Motor, Deduct	-50.00	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	187.66	
		For Backdraft Damper, Add	154.04	
		For Damper Motor, Add	175.59	
23 34 16 00-0122	EA	20" Diameter Wheel, 3/4 HP, 4,438 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,588.23	179.93
		For Bird Screen, Add	80.84	
		For Wall Mounted Fan, Add	103.53	
		For 3 Phase Motor, Deduct	-50.00	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	189.41	
		For Backdraft Damper, Add	154.04	
		For Damper Motor, Add	175.59	
23 34 16 00-0123	EA	20" Diameter Wheel, 2 HP, 6,450 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,836.64	179.93
		For Bird Screen, Add	80.84	
		For Wall Mounted Fan, Add	113.47	
		For 3 Phase Motor, Deduct	-50.00	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	210.53	
		For Backdraft Damper, Add	154.04	
		For Damper Motor, Add	175.59	
23 34 16 00-0124	EA	24" Diameter Wheel, 3/4 HP, 5,460 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,266.74	202.42
		For Bird Screen, Add	95.54	
		For Wall Mounted Fan, Add	130.67	
		For 3 Phase Motor, Deduct	-50.00	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	243.26	
		For Backdraft Damper, Add	167.06	
		For Damper Motor, Add	175.59	
23 34 16 00-0125	EA	24" Diameter Wheel, 2 HP, 7,985 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,494.57	202.42
		For Bird Screen, Add	95.54	
		For Wall Mounted Fan, Add	139.78	
		For 3 Phase Motor, Deduct	-50.00	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	262.63	
		For Backdraft Damper, Add	167.06	
		For Damper Motor, Add	175.59	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Air Distribution			23 30	
HVAC Fans			23 34	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0126	EA		30" Diameter Wheel, 3/4 HP, 7,771 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....4,140.74 Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch. For Bird Screen, Add 102.89 For Wall Mounted Fan, Add 165.63 For Totally Enclosed Motor, Add 85.00 For Grease Trap Kit, Add 76.41 For Hinged Curb Kit, Add 313.73 For Backdraft Damper, Add 185.19 For Damper Motor, Add 175.59		224.91
23 34 16 00-0127	EA		30" Diameter Wheel, 2 HP, 10,192 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....4,215.70 Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch. For Bird Screen, Add 102.89 For Wall Mounted Fan, Add 168.63 For Totally Enclosed Motor, Add 85.00 For Grease Trap Kit, Add 76.41 For Hinged Curb Kit, Add 320.10 For Backdraft Damper, Add 185.19 For Damper Motor, Add 175.59		224.91
23 34 16 00-0128	EA		30" Diameter Wheel, 3 HP, 11,903 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....4,596.41 Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch. For Bird Screen, Add 102.89 For Wall Mounted Fan, Add 183.86 For Totally Enclosed Motor, Add 85.00 For Grease Trap Kit, Add 76.41 For Hinged Curb Kit, Add 352.46 For Backdraft Damper, Add 185.19 For Damper Motor, Add 175.59		224.91
23 34 16 00-0129	EA		30" Diameter Wheel, 5 HP, 14,266 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....4,780.15 Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch. For Bird Screen, Add 102.89 For Wall Mounted Fan, Add 191.21 For Totally Enclosed Motor, Add 85.00 For Grease Trap Kit, Add 76.41 For Hinged Curb Kit, Add 368.08 For Backdraft Damper, Add 185.19 For Damper Motor, Add 175.59		224.91
23 34 16 00-0130	EA		36" Diameter Wheel, 3 HP, 14,769 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....5,263.38 Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch. For Bird Screen, Add 117.59 For Wall Mounted Fan, Add 210.54 For Totally Enclosed Motor, Add 85.00 For Grease Trap Kit, Add 76.41 For Hinged Curb Kit, Add 405.33 For Damper Motor, Add 175.59 For Backdraft Damper, Add 217.17		247.40
23 34 16 00-0131	EA		36" Diameter Wheel, 5 HP, 17,884 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....5,474.67 Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch. For Bird Screen, Add 117.59 For Wall Mounted Fan, Add 218.99 For Totally Enclosed Motor, Add 85.00 For Grease Trap Kit, Add 76.41 For Hinged Curb Kit, Add 423.29 For Damper Motor, Add 175.59 For Backdraft Damper, Add 217.17		247.40
23 34 16 00-0132	EA		42" Diameter Wheel, 3 HP, 17,316 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....5,525.57 Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch. For Bird Screen, Add 117.59 For Totally Enclosed Motor, Add 85.00 For Grease Trap Kit, Add 76.41 For Hinged Curb Kit, Add 423.80 For Damper Motor, Add 175.59 For Backdraft Damper, Add 251.55		269.89
23 34 16 00-0133	EA		42" Diameter Wheel, 7-1/2 HP, 24,604 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....5,989.47 Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch. For Bird Screen, Add 117.59 For Totally Enclosed Motor, Add 85.00 For Grease Trap Kit, Add 76.41 For Hinged Curb Kit, Add 463.23 For Damper Motor, Add 175.59 For Backdraft Damper, Add 251.55		269.89
23 34 16 00-0134			Untempered Kitchen Make-Up Air Fans (23 34 16 00-0108) Note: Roof mounted with downblast discharge, weatherhood and filter.		
23 34 16 00-0135			Direct Drive Kitchen Make-Up Air Fans (23 34 16 00-0134)		
23 34 16 00-0136	EA		7" Diameter Wheel, 1/2 HP Direct Drive, Kitchen Make-Up Air Fan.....1,142.58 Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. For Extended Weatherhood, Add 194.75		116.95
23 34 16 00-0137	EA		8" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan.....1,200.11 Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. For Extended Weatherhood, Add 203.38		116.95
23 34 16 00-0138	EA		9" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan.....1,270.71 Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. For Extended Weatherhood, Add 213.97		116.95

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0139		Belt Drive Kitchen Make-Up Air Fans (23 34 16 00-0134)		
23 34 16 00-0140	EA	9" Diameter Wheel, 1/2 HP Belt Drive, Kitchen Make-Up Air Fan..... Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,298.10	116.95
		<i>For Extended Weatherhood, Add</i>	218.08	
23 34 16 00-0141	EA	10" Diameter Wheel, 1-1/2 HP Belt Drive, Kitchen Make-Up Air Fan..... Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,457.53	157.44
		<i>For Extended Weatherhood, Add</i>	250.12	
23 34 16 00-0142	EA	12" Diameter Wheel, 2 HP Belt Drive, Kitchen Make-Up Air Fan..... Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,756.26	179.93
		<i>For Extended Weatherhood, Add</i>	299.43	
23 34 16 00-0143	EA	15" Diameter Wheel, 3 HP Belt Drive, Kitchen Make-Up Air Fan..... Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	2,037.31	224.91
		<i>For Extended Weatherhood, Add</i>	350.58	
23 34 16 00-0144	EA	18" Diameter Wheel, 5 HP Belt Drive, Kitchen Make-Up Air Fan..... Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	2,465.30	269.89
		<i>For Extended Weatherhood, Add</i>	423.77	
23 34 16 00-0145		Replacement Parts (23 34 16 00-0001)		
23 34 16 00-0146		Replace Belts And Accessories (23 34 16 00-0145)		
23 34 16 00-0147	EA	Fan Shaft Bearing, Replacement	728.00	333.32
23 34 16 00-0148	EA	Fan Belt, Replacement.....	115.00	45.20
23 34 16 00-0149		Corrosive Fume Resistant Plastic (23 34 16 00-0001)		
23 34 16 00-0150		Centrifugal Roof Ventilators, Belt Drive, 1/4" Static Pressure (23 34 16 00-0149)		
23 34 16 00-0151	EA	250 CFM, 1/4 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	4,084.08	162.21
		<i>For Explosion Proof Motor, Add</i>	563.95	
23 34 16 00-0152	EA	895 CFM, 1/3 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	4,442.32	194.85
		<i>For Explosion Proof Motor, Add</i>	607.90	
23 34 16 00-0153	EA	1,630 CFM, 1/2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	5,272.15	243.55
		<i>For Explosion Proof Motor, Add</i>	717.76	
23 34 16 00-0154	EA	2,240 CFM, 1 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	5,679.05	324.90
		<i>For Explosion Proof Motor, Add</i>	754.38	
23 34 16 00-0155	EA	3,810 CFM, 2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	6,540.49	487.11
		<i>For Explosion Proof Motor, Add</i>	834.94	
23 34 16 00-0156	EA	11,760 CFM, 5 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	11,323.22	974.22
		<i>For Explosion Proof Motor, Add</i>	1,406.22	
23 34 16 00-0157	EA	18,810 CFM, 10 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	16,505.63	1,392.64
		<i>For Explosion Proof Motor, Add</i>	2,058.06	
23 34 16 00-0158		Utility Set, Centrifugal, Belt Drive (23 34 16 00-0149)		
23 34 16 00-0159	EA	1,200 CFM, 1/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	4,084.08	162.21
		<i>For Explosion Proof Motor, Add</i>	563.95	
23 34 16 00-0160	EA	1,520 CFM, 1/3 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	4,198.18	194.85
		<i>For Explosion Proof Motor, Add</i>	571.28	
23 34 16 00-0161	EA	1,850 CFM, 1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	4,295.61	243.55
		<i>For Explosion Proof Motor, Add</i>	571.28	
23 34 16 00-0162	EA	2,180 CFM, 3/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	4,458.37	324.90
		<i>For Explosion Proof Motor, Add</i>	571.28	
23 34 16 00-0163	EA	3,600 CFM, 1 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	6,149.88	487.11
		<i>For Explosion Proof Motor, Add</i>	776.35	
23 34 16 00-0164	EA	4,250 CFM, 1-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	6,393.44	608.89
		<i>For Explosion Proof Motor, Add</i>	776.35	
23 34 16 00-0165	EA	4,800 CFM, 2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	6,569.17	696.76
		<i>For Explosion Proof Motor, Add</i>	776.35	
23 34 16 00-0166	EA	6,920 CFM, 5 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	6,734.64	730.66
		<i>For Explosion Proof Motor, Add</i>	791.00	
23 34 16 00-0167	EA	7,700 CFM, 7-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	6,945.84	811.81
		<i>For Explosion Proof Motor, Add</i>	798.32	
23 34 16 00-0168		In-Line Duct Fans (23 34 16 00-0001)		
23 34 16 00-0169		Direct Drive In-Line Duct Fans (23 34 16 00-0168)		
		Note: Greenheck SQ.		
23 34 16 00-0170	EA	Up To 10" Wheel Diameter, 1/16 HP Direct Drive, In Line Duct Fan.....	1,116.59	116.95
		Note: 115V. Includes disconnect switch.		
23 34 16 00-0171	EA	13" Wheel Diameter, 1/6 HP Direct Drive, In Line Duct Fan	1,422.15	125.95
		Note: 115V. Includes disconnect switch.		
23 34 16 00-0172	EA	14" Wheel Diameter, 1/3 HP Direct Drive, In Line Duct Fan	1,558.82	134.95
		Note: 115V. Includes disconnect switch.		

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Air Distribution

23 30

HVAC Fans

23 34

23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0173		Belt Drive In-Line Duct Fans (23 34 16 00-0168) Note: Greenheck BSQ.		
23 34 16 00-0174	EA	Up To 12" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan..... Note: 115/208-230/60/1. Includes disconnect switch. For 3 Phase Motor, Deduct For Totally Enclosed Motor, Add	1,627.48 -50.00 85.00	134.95
23 34 16 00-0175	EA	13" Or 14" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch. For 3 Phase Motor, Deduct For Totally Enclosed Motor, Add	1,870.99 -50.00 85.00	157.44
23 34 16 00-0176	EA	13" Or 14" Wheel Diameter, 3/4 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch. For 3 Phase Motor, Deduct For Totally Enclosed Motor, Add	2,100.12 -50.00 85.00	157.44
23 34 16 00-0177	EA	13" Or 14" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch. For 3 Phase Motor, Deduct For Totally Enclosed Motor, Add	2,294.91 -50.00 85.00	157.44
23 34 16 00-0178	EA	16" Or 18" Wheel Diameter, 1/3 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch. For 3 Phase Motor, Deduct For Totally Enclosed Motor, Add	2,240.64 -50.00 85.00	179.93
23 34 16 00-0179	EA	16" Or 18" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch. For 3 Phase Motor, Deduct For Totally Enclosed Motor, Add	2,570.52 -50.00 85.00	179.93
23 34 16 00-0180	EA	24" Wheel Diameter, 1 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch. For 3 Phase Motor, Deduct For Totally Enclosed Motor, Add	3,270.23 -50.00 85.00	224.91
23 34 16 00-0181	EA	24" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch. For Totally Enclosed Motor, Add	3,452.34 85.00	224.91
23 34 16 00-0182	EA	24" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan Note: Belt drive. 230/460/60/3. Includes disconnect switch. For Totally Enclosed Motor, Add	3,580.71 85.00	224.91
23 34 16 00-0183	EA	30 Or 36" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch. For Totally Enclosed Motor, Add	4,143.17 85.00	269.89
23 34 16 00-0184	EA	30 Or 36" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch. For Totally Enclosed Motor, Add	4,296.39 85.00	269.89
23 34 16 00-0185	EA	30 Or 36" Wheel Diameter, 7-1/2 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch. For Totally Enclosed Motor, Add	4,484.68 85.00	269.89
23 34 16 00-0186		In-Line Cabinet Fans (23 34 16 00-0001)		
23 34 16 00-0187	EA	950 CFM, 80 Watt, Direct Drive In-Line Cabinet Fan.....	352.56	78.71
23 34 16 00-0188	EA	1,050 CFM, 129 Watt, Direct Drive In-Line Cabinet Fan.....	373.10	78.71
23 34 16 00-0189	EA	1,100 CFM, 173 Watt, Direct Drive In-Line Cabinet Fan.....	400.97	78.71
23 34 16 00-0190	EA	950 CFM, 48.7 Watt, Direct Drive In-Line Cabinet Fan.....	399.50	78.71
23 34 16 00-0191	EA	1,100 CFM, 52.5 Watt, Direct Drive In-Line Cabinet Fan.....	399.50	78.71
23 34 16 00-0192	EA	1,400 CFM, 100 Watt, Direct Drive In-Line Cabinet Fan.....	443.52	78.71
23 34 16 00-0193	EA	900 CFM, 48.2 Watt, Direct Drive In-Line Cabinet Fan.....	531.73	83.21
23 34 16 00-0194	EA	1,000 CFM, 82.7 Watt, Direct Drive In-Line Cabinet Fan.....	453.97	83.21
23 34 16 00-0195	EA	1,050 CFM, 80.7 Watt, Direct Drive In-Line Cabinet Fan.....	483.31	83.21
23 34 16 00-0196	EA	1,350 CFM, 140 Watt, Direct Drive In-Line Cabinet Fan.....	502.39	83.21
23 34 16 00-0197	EA	1,000 CFM, 135 Watt, Direct Drive In-Line Cabinet Fan.....	524.39	83.21
23 34 16 00-0198	EA	1,070 CFM, 217 Watt, Direct Drive In-Line Cabinet Fan.....	524.39	83.21
23 34 16 00-0199	EA	1,100 CFM, 350 Watt, Direct Drive In-Line Cabinet Fan.....	851.74	87.71
23 34 16 00-0200	EA	1,080 CFM, 325 Watt, Direct Drive In-Line Cabinet Fan.....	718.24	87.71
23 34 16 00-0201	EA	1,600 CFM, 405 Watt, Direct Drive In-Line Cabinet Fan.....	718.24	87.71
23 34 16 00-0202	EA	950 CFM, 328 Watt, Direct Drive In-Line Cabinet Fan.....	969.11	87.71
23 34 16 00-0203	EA	1,095 CFM, 455 Watt, Direct Drive In-Line Cabinet Fan.....	969.11	87.71
23 34 16 00-0204	EA	1,450 CFM, 822 Watt, Direct Drive In-Line Cabinet Fan.....	969.11	87.71
23 34 16 00-0205	EA	1,640 CFM, 830 Watt, Direct Drive In-Line Cabinet Fan.....	1,053.10	87.71
23 34 16 00-0206		Propeller And Ceiling Fans (23 34 16)		
23 34 16 00-0207		Direct Drive, Sidewall Propeller Exhaust Fan (23 34 16 00-0206) Note: Greenheck SE1.		
23 34 16 00-0208	EA	1/25 HP, 307 CFM At 1/8" Static Pressure, 8" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan..... Note: Includes motor side guard. For Backdraft Damper, Add For Wall Mount Collar, Add	528.23 124.12 201.82	96.26
23 34 16 00-0209	EA	1/12 HP, 763 CFM At 1/8" Static Pressure, 10" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan..... Note: Includes motor side guard. For Backdraft Damper, Add For Wall Mount Collar, Add	560.11 133.73 201.82	107.06

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0210	EA	1/8 HP, 1,149 CFM At 1/8" Static Pressure, 12" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan..... Note: Includes motor side guard.	620.24	118.75
		For Backdraft Damper, Add	146.74	
		For Wall Mount Collar, Add	207.13	
23 34 16 00-0211	EA	1/6 HP, 1,350 CFM At 1/8" Static Pressure, 14" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan..... For Backdraft Damper, Add For Wall Mount Collar, Add For Motor Side Guard, Add	902.11 175.10 210.97 173.63	131.34
23 34 16 00-0212	EA	1/6 HP, 2,012 CFM At 1/8" Static Pressure, 16" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan..... For Backdraft Damper, Add For Wall Mount Collar, Add For Motor Side Guard, Add	892.43 175.10 216.28 184.82	145.74
23 34 16 00-0213	EA	1/4 HP, 2,908 CFM At 1/8" Static Pressure, 18" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan..... For Backdraft Damper, Add For Wall Mount Collar, Add For Motor Side Guard, Add	1,002.78 211.97 221.59 196.01	161.94
23 34 16 00-0214	EA	1/3 HP, 3,974 CFM At 1/8" Static Pressure, 20" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan..... For Backdraft Damper, Add For Wall Mount Collar, Add For Motor Side Guard, Add	1,143.85 211.97 225.43 211.60	179.93
23 34 16 00-0215 Belt Drive Propeller Exhaust Fans (23 34 16 00-0206)				
		Note: Wall shutter 1/8" static pressure, with birdscreen.		
23 34 16 00-0216	EA	24" Propeller Exhaust Fan, V-Belt Drive, 5,795 CFM, 1/2 HP, With Wall Shutter	1,688.32	257.30
23 34 16 00-0217	EA	30" Propeller Exhaust Fan, V-Belt Drive, 9,060 CFM, 3/4 HP, With Wall Shutter	1,935.40	299.58
23 34 16 00-0218	EA	36" Propeller Exhaust Fan, V-Belt Drive, 11,850 CFM, 1 HP, With Wall Shutter	2,201.78	359.86
23 34 16 00-0219	EA	42" Propeller Exhaust Fan, V-Belt Drive, 17,400 CFM, 1-1/2 HP, With Wall Shutter	3,049.29	449.82
23 34 16 00-0220	EA	48" Propeller Exhaust Fan, V-Belt Drive, 19,870 CFM, 1-1/2 HP, With Wall Shutter	3,657.94	600.05
23 34 16 00-0221	EA	54" Propeller Exhaust Fan, V-Belt Drive, 26,000 CFM, 2 HP, With Wall Shutter	5,102.16	899.63
23 34 16 00-0222	EA	60" Propeller Exhaust Fan, V-Belt Drive, 35,120 CFM, 3 HP, With Wall Shutter	6,147.64	1,153.32
23 34 16 00-0223 Propeller Exhaust Fan Accessories (23 34 16 00-0206)				
23 34 16 00-0224	SF	Hinged Mesh Screen For Wall Propeller Fans, 1" x 1" Frame (SF Of Fan Opening)	87.56	
23 34 16 00-0225	SF	Galvanized Weather Hood For Wall Propeller Fan (SF Of Fan Opening)	200.17	
23 34 16 00-0226 Reversible Ceiling Fans (23 34 16 00-0206)				
23 34 16 00-0227 4 Blade Ceiling Fans (23 34 16 00-0226)				
23 34 16 00-0228	EA	42" 4-Blade Ceiling Fan, Three Speed	419.02	52.89
		For Brass Plated Motor, Add	20.25	
		For Light Kit, Add	25.88	
23 34 16 00-0229 5 Blade Ceiling Fans (23 34 16 00-0226)				
23 34 16 00-0230	EA	42" 5-Blade Ceiling Fan, Three Speed	457.14	130.90
		For Brass Plated Motor, Add	20.25	
		For Light Kit, Add	25.94	
23 34 16 00-0231	EA	52" 5-Blade Ceiling Fan, Three Speed	520.73	130.90
		For Brass Plated Motor, Add	20.25	
		For Light Kit, Add	26.04	
23 34 16 00-0232 3 Blade Weatherproof Ceiling Fans (23 34 16 00-0226)				
23 34 16 00-0233	EA	3-Blade Ceiling Fan, Weatherproof, Three Speed	410.84	44.53
23 34 16 00-0234 Ceiling Fan Down Rod (23 34 16 00-0226)				
23 34 16 00-0235	EA	1' Ceiling Fan Down Rod	17.70	
23 34 16 00-0236	EA	1-1/2' Ceiling Fan Down Rod	22.45	
23 34 16 00-0237	EA	2' Ceiling Fan Down Rod	24.83	
23 34 16 00-0238	EA	3' Ceiling Fan Down Rod	32.48	
23 34 16 00-0239	EA	4' Ceiling Fan Down Rod	37.78	
23 34 16 00-0240	EA	5' Ceiling Fan Down Rod	45.92	
23 34 16 00-0241	EA	6' Ceiling Fan Down Rod	56.84	
23 34 16 00-0242 Exhaust Fans (23 34 16)				
23 34 16 00-0243 Exhaust Fans (23 34 16 00-0242)				
		Note: Excludes ducting.		
23 34 16 00-0244 Light Duty Exhaust Fans (23 34 16 00-0243)				
23 34 16 00-0245 Light Duty Exhaust Fans (23 34 16 00-0244)				
23 34 16 00-0246	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 670)	119.54	42.75
23 34 16 00-0247	EA	70 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 671)	125.23	42.75
23 34 16 00-0248	EA	180 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 505)	193.54	42.75
23 34 16 00-0249	EA	350 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 504)	239.21	42.75



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
HVAC Fans			23 34

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0250 EA 160 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 503).....	216.02	42.75
23 34 16 00-0251 EA 270 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 502).....	280.87	42.75
23 34 16 00-0252 Light Duty Exhaust Fans With Lights (23 34 16 00-0244)		
23 34 16 00-0253 EA 50 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 678).....	149.97	42.75
23 34 16 00-0254 EA 70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 679).....	164.23	42.75
23 34 16 00-0255 EA 100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 680).....	289.58	42.75
23 34 16 00-0256 Light Duty Exhaust Fans With Heaters (23 34 16 00-0244)		
23 34 16 00-0257 EA 70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater Bulb (Broan® 162).....	153.06	42.75
23 34 16 00-0258 EA 70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater (Broan® 658).....	231.22	42.75
23 34 16 00-0259 Light Duty Exhaust Fans With Heaters And Lights (23 34 16 00-0244)		
23 34 16 00-0260 EA 70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 655).....	244.77	42.75
23 34 16 00-0261 EA 100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 100HL).....	361.10	42.75
23 34 16 00-0262 Heavy Duty/Continuous Operation Exhaust Fans (23 34 16 00-0243)		
23 34 16 00-0263 Heavy Duty/Continuous Operation Exhaust Fans (23 34 16 00-0262)		
Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0264 EA 50 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50).....	174.59	42.75
23 34 16 00-0265 EA 80 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80).....	190.92	42.75
23 34 16 00-0266 EA 109 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L100MG).....	332.31	42.75
23 34 16 00-0267 EA 157 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L150MG).....	339.88	42.75
23 34 16 00-0268 EA 210 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L200MG).....	363.44	42.75
23 34 16 00-0269 EA 259 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L250MG).....	378.50	42.75
23 34 16 00-0270 EA 308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300MG).....	384.33	42.75
23 34 16 00-0271 EA 434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400).....	436.93	42.75
23 34 16 00-0272 EA 514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500).....	494.94	42.75
23 34 16 00-0273 EA 701 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L700).....	527.99	42.75
23 34 16 00-0274 EA 901 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L900).....	624.52	42.75
23 34 16 00-0275 EA 1,513 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L1500).....	796.48	42.75
23 34 16 00-0276 Heavy Duty/Continuous Operation Kitchen Exhaust Fans (23 34 16 00-0262)		
Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0277 EA 308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300KMG).....	344.29	42.75
23 34 16 00-0278 EA 434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400K).....	490.60	42.75
23 34 16 00-0279 EA 514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500K).....	517.70	42.75
23 34 16 00-0280 Heavy Duty/Continuous Operation Exhaust Fans With Lights (23 34 16 00-0262)		
23 34 16 00-0281 EA 50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD50L).....	187.96	42.75
23 34 16 00-0282 EA 80 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD80L).....	203.30	42.75
23 34 16 00-0283 Fire Rated, Heavy Duty/Continuous Operation Exhaust Fans (23 34 16 00-0262)		
23 34 16 00-0284 EA 50 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50RDF).....	194.70	42.75
23 34 16 00-0285 EA 80 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80RDF).....	204.86	42.75
23 34 16 00-0286 EA 110 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® 110RDF).....	209.76	42.75
23 34 16 00-0287 Low Sound, Direct Drive, Centrifugal Ceiling Exhaust Fans (23 34 16 00-0243)		
23 34 16 00-0288 EA 900 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A900).....	854.30	42.75
23 34 16 00-0289 EA 1050 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1050).....	854.30	42.75

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0290 EA 1410 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1410)	854.30	42.75
23 34 16 00-0291 EA 1550 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1550)	935.51	42.75
23 34 16 00-0292 Room-To-Room Exhaust Fans (23 34 16 00-0243)		
23 34 16 00-0293 EA 90 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 512)	146.14	42.75
23 34 16 00-0294 EA 180 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 511)	229.09	42.75
23 34 16 00-0295 EA 380 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 510)	259.32	42.75
23 34 16 00-0296 Through-Wall Exhaust Fans (23 34 16 00-0243)		
23 34 16 00-0297 EA 250 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 507)	243.52	42.75
23 34 16 00-0298 EA 470 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 506)	285.18	42.75
23 34 16 00-0299 EA 180 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 509)	214.87	42.75
23 34 16 00-0300 EA 270 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 508)	280.87	42.75
23 34 16 00-0301 EA 360 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan With Motorized Door (Broan® 12C)	476.27	42.75
23 34 16 00-0302 Exhaust Fan Accessories (23 34 16 00-0243)		
23 34 16 00-0303 Exhaust Fan Controls (23 34 16 00-0302)		
23 34 16 00-0304 EA Electronic Variable Speed Control Dial, Single Gang, Exhaust Fan Controls (Broan® 57)	135.32	26.72
23 34 16 00-0305 EA 60-Minute Time Control Dial, Single Gang, Exhaust Fan Controls (Broan® 59)	98.47	26.72
23 34 16 00-0306 EA 60-Minute Time Control Dial With Rocker Switch, Double Gang, Exhaust Fan Controls (Broan® 61)	99.35	26.72
23 34 16 00-0307 Roof And Wall Caps For Exhaust Fans (23 34 16 00-0302)		
23 34 16 00-0308 Wall Caps For Exhaust Fans (23 34 16 00-0307)		
23 34 16 00-0309 EA Aluminum Wall Cap For Up To 12" Duct, Installed On Exterior Walls (Broan® 613)	211.48	48.83
23 34 16 00-0310 EA Aluminum Wall Cap For Up To 18" Duct, Installed On Exterior Walls (Broan® 643)	214.38	48.83
23 34 16 00-0311 Roof Caps For Exhaust Fans (23 34 16 00-0307)		
Note: Includes flashing and built in bird screen.		
23 34 16 00-0312 EA Aluminum Roof Cap For Up To 8" Duct, Installed On Flat Roofs (Broan® 611)	181.54	48.83
23 34 16 00-0313 EA Aluminum Roof Cap For Up To 12" Duct, Installed On Flat Roofs (Broan® 612)	256.88	48.83
23 34 16 00-0314 EA CRCQ Steel Roof Cap For Up To 4" Duct, Installed On Sloped Roofs (Broan® 636)	123.63	48.83
23 34 16 00-0315 EA CRCQ Steel Roof Cap For Up To 8" Duct, Installed On Sloped Roofs (Broan® 634)	146.23	48.83
23 34 16 00-0316 Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan (23 34 16 00-0243)		
Note: Includes storage and cleaning.		
23 34 16 00-0317 EA Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan	67.47	
23 34 23 HVAC Power Ventilators (23 34)		
23 34 23 00-0001 Power Roof Ventilators (23 34 23)		
23 34 23 00-0002 Direct Drive, Aluminum, Centrifugal Roof Exhausters (23 34 23 00-0001)		
Note: Greenheck G.		
23 34 23 00-0003 EA 1/25 HP, 310 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	540.23	128.65
Note: Three speed motor.		
For 12" Roof Curb, Add	163.46	
For Backdraft Damper, Add	101.35	
For Solid State Speed Control, Add	84.49	
For Damper Motor, Add	175.59	
23 34 23 00-0004 EA 1/8 HP, 863 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	591.80	145.74
Note: Three speed motor.		
For 12" Roof Curb, Add	163.46	
For Backdraft Damper, Add	101.35	
For Solid State Speed Control, Add	84.49	
For Damper Motor, Add	175.59	
23 34 23 00-0005 EA 1/6 HP, 1,213 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	853.58	170.03
For 12" Roof Curb, Add	167.86	
For Backdraft Damper, Add	109.25	
For Solid State Speed Control, Add	84.49	
For Damper Motor, Add	175.59	
23 34 23 00-0006 EA 1/4 HP, 1,374 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	878.29	191.62
For 12" Roof Curb, Add	167.86	
For Backdraft Damper, Add	109.25	
For Solid State Speed Control, Add	84.49	
For Damper Motor, Add	175.59	
23 34 23 00-0007 EA 1/3 HP, 1,905 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,131.59	211.41
For Solid State Speed Control, Add	84.49	
For Damper Motor, Add	175.59	
23 34 23 00-0008 EA 1/2 HP, 3,072 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,283.20	224.91
For 12" Roof Curb, Add	175.21	
For Backdraft Damper, Add	123.98	
For Solid State Speed Control, Add	130.05	
For Damper Motor, Add	175.59	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
HVAC Fans			23 34

23

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
23 34 23 00-0009	Belt Drive, Aluminum, Centrifugal Roof Exhausters (23 34 23 00-0001) Note: Greenheck GB.			
23 34 23 00-0010	EA 1/4 HP, 1,556 CFM At 1/4" Static Pressure, 19" x 19" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster For 12" Roof Curb, Add For Backdraft Damper, Add For Damper Motor, Add	1,241.85 167.86 109.25 175.59		191.62
23 34 23 00-0011	EA 1/3 HP, 1,966 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster For 12" Roof Curb, Add For Backdraft Damper, Add For Damper Motor, Add	1,356.11 175.21 123.98 175.59		243.80
23 34 23 00-0012	EA 1/2 HP, 2,943 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster For 12" Roof Curb, Add For Backdraft Damper, Add For Damper Motor, Add	1,846.83 175.21 123.98 175.59		290.58
23 34 23 00-0013	EA 3/4 HP, 4,289 CFM At 1/4" Static Pressure, 30" x 30" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster For 12" Roof Curb, Add For Backdraft Damper, Add For Damper Motor, Add	2,358.53 210.49 154.04 175.59		359.86
23 34 23 00-0014	EA 1 HP, 6,157 CFM At 1/4" Static Pressure, 34" x 34" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster For 12" Roof Curb, Add For Backdraft Damper, Add For Damper Motor, Add	3,117.89 226.66 167.06 175.59		449.82
23 34 23 00-0015	EA 1-1/2 HP, 8,906 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster For 12" Roof Curb, Add For Backdraft Damper, Add For Damper Motor, Add	4,242.20 251.65 185.19 175.59		562.27
23 34 23 00-0016	EA 2 HP, 10,059 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster For 12" Roof Curb, Add For Backdraft Damper, Add For Damper Motor, Add	4,277.48 251.65 185.19 175.59		562.27
23 34 23 00-0017	EA 3 HP, 11,703 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster For 12" Roof Curb, Add For Backdraft Damper, Add For Damper Motor, Add	4,658.18 251.65 185.19 175.59		562.27
23 34 23 00-0018	EA 5 HP, 13,897 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster For 12" Roof Curb, Add For Backdraft Damper, Add For Damper Motor, Add	4,524.53 251.65 185.19 175.59		562.27
23 34 23 00-0019	Propeller Exhaust Fans, Roof Mounted Upblast (23 34 23 00-0001) Note: Includes back draft damper and birdscreen and curb.			
23 34 23 00-0020	EA 30,300 CFM Belt Drive 5 HP Propeller Exhaust Fan, Roof Mounted, 3/8" Static Pressure.....	5,678.16		691.82
23 34 23 00-0021	EA 36,000 CFM Belt Drive 15 HP Propeller Exhaust Fan, Roof Mounted, 1/2" Static Pressure.....	9,248.31		899.37
23 34 23 00-0022	Belt Drive Supply Fans (23 34 23 00-0001)			
23 34 23 00-0023	EA 4,500 CFM, 24" x 24" Supply Fan, Roof Mounted	2,264.39		359.22
23 34 23 00-0024	EA 10,000 CFM, 36" x 36" Supply Fan, Roof Mounted	3,051.69		449.73
23 34 23 00-0025	Fan Thermostat (23 34 23 00-0001)			
23 34 23 00-0026	EA 50 To 120 Degree Line Voltage Fan Thermostat.....	107.75		
23 34 23 00-0027	Power Wall Ventilators (23 34 23)			
23 34 23 00-0028	Centrifugal Sidewall Exhausters (23 34 23 00-0027)			
23 34 23 00-0029	Direct Drive, Aluminum, Centrifugal Sidewall Exhauster (23 34 23 00-0028) Note: Greenheck CW.			
23 34 23 00-0030	EA 1/25 HP, 297 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster For Solid State Speed Control, Add For Backdraft Damper, Add For Damper Motor, Add For Interior Wall Grill, Add	702.93 130.05 136.66 295.47 97.19		144.84
23 34 23 00-0031	EA 1/8 HP, 861 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster For Solid State Speed Control, Add For Backdraft Damper, Add For Damper Motor, Add For Interior Wall Grill, Add	805.99 130.05 151.38 295.47 115.73		170.03
23 34 23 00-0032	EA 1/6 HP, 1,179 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster For Solid State Speed Control, Add For Backdraft Damper, Add For Damper Motor, Add For Interior Wall Grill, Add	1,217.69 130.05 171.22 295.47 134.27		191.62
23 34 23 00-0033	Belt Drive, Aluminum, Centrifugal Sidewall Exhausters (23 34 23 00-0028) Note: Greenheck CWB.			

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0034 EA 1/4 HP, 1,633 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster.....	1,825.82	108.14
For Solid State Speed Control, Add	130.05	
For Backdraft Damper, Add	159.67	
For Damper Motor, Add	295.47	
For Interior Wall Grill, Add	204.25	
23 34 23 00-0035 EA 1/2 HP, 2,291 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster.....	1,929.53	121.78
For Solid State Speed Control, Add	130.05	
For Backdraft Damper, Add	159.67	
For Damper Motor, Add	295.47	
For Interior Wall Grill, Add	204.25	
23 34 23 00-0036 EA 3/4 HP, 3,646 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster.....	2,368.83	139.31
For Solid State Speed Control, Add	130.05	
For Backdraft Damper, Add	199.50	
For Damper Motor, Add	295.47	
For Interior Wall Grill, Add	237.48	
23 34 33 Air Curtains (23 34)		
23 34 33 00-0001 Unheated Air Curtains For Entrances (23 34 33)		
23 34 33 00-0002 Unheated Air Curtains, Standard Velocity (23 34 33 00-0001)		
23 34 33 00-0003 EA Air Curtain For 3' x 8' - 10' Personnel Entrance, Unheated.....	1,904.13	659.43
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	128.78	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	350.57	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	260.42	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	400.65	
For Flat Side Extension Plates, Add	129.20	
For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0004 EA Air Curtain For 3.5' x 8' - 10' Personnel Entrance, Unheated.....	1,930.73	659.43
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	128.78	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	350.57	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	260.42	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	400.65	
For Flat Side Extension Plates, Add	129.20	
For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0005 EA Air Curtain For 4' x 8' - 10' Personnel Entrance, Unheated.....	1,959.55	659.43
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	128.78	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	350.57	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	260.42	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	400.65	
For Flat Side Extension Plates, Add	129.20	
For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0006 EA Air Curtain For 5' x 8' - 10' Personnel Entrance, Unheated.....	2,436.21	659.43
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	128.78	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	350.57	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	260.42	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	400.65	
For Flat Side Extension Plates, Add	129.20	
For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0007 EA Air Curtain For 6' x 8' - 10' Personnel Entrance, Unheated.....	2,764.71	791.67
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	128.78	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	350.57	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	260.42	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	400.65	
For Flat Side Extension Plates, Add	129.20	
For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0008 EA Air Curtain For 7' x 8' - 10' Personnel Entrance, Unheated.....	2,930.99	791.67
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	128.78	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	350.57	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	260.42	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	400.65	
For Flat Side Extension Plates, Add	129.20	
For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Air Distribution

23 30

HVAC Fans

23 34

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0009 EA Air Curtain For 8' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,248.55 128.78 350.57 260.42 400.65 129.20 258.39 310.07 327.30	913.13
23 34 33 00-0010 EA Air Curtain For 9' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,912.54 128.78 350.57 260.42 400.65 129.20 258.39 310.07 327.30	913.13
23 34 33 00-0011 EA Air Curtain For 10' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,996.78 128.78 350.57 260.42 400.65 129.20 258.39 310.07 327.30	913.13
23 34 33 00-0012 EA Air Curtain For 12' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	4,220.70 128.78 350.57 260.42 400.65 129.20 258.39 310.07 327.30	913.13
23 34 33 00-0013 Unheated Air Curtains, High Velocity (23 34 33 00-0001)		
23 34 33 00-0014 EA High Velocity Air Curtain For 3' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	2,345.31 128.78 258.39 129.20 258.39 310.07 327.30	659.43
23 34 33 00-0015 EA High Velocity Air Curtain For 3.5' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	2,379.67 128.78 258.39 129.20 258.39 310.07 327.30	659.43
23 34 33 00-0016 EA High Velocity Air Curtain For 4' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	2,394.08 128.78 258.39 129.20 258.39 310.07 327.30	659.43
23 34 33 00-0017 EA High Velocity Air Curtain For 5' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	2,421.80 128.78 258.39 129.20 258.39 310.07 327.30	659.43
23 34 33 00-0018 EA High Velocity Air Curtain For 6' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,775.66 128.78 258.39 129.20 258.39 310.07 327.30	791.67

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0019	EA		High Velocity Air Curtain For 7' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	3,946.37	791.67
			For Door Limit Switch, Combination Roller And Plunger, Add	128.78	
			For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	258.39	
			For Flat Side Extension Plates, Add	129.20	
			For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0020	EA		High Velocity Air Curtain For 8' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	4,200.75	913.13
			For Door Limit Switch, Combination Roller And Plunger, Add	128.78	
			For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	258.39	
			For Flat Side Extension Plates, Add	129.20	
			For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0021	EA		High Velocity Air Curtain For 9' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	4,791.58	913.13
			For Door Limit Switch, Combination Roller And Plunger, Add	128.78	
			For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	258.39	
			For Flat Side Extension Plates, Add	129.20	
			For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0022	EA		High Velocity Air Curtain For 10' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	4,853.65	913.13
			For Door Limit Switch, Combination Roller And Plunger, Add	128.78	
			For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	258.39	
			For Flat Side Extension Plates, Add	129.20	
			For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0023	EA		High Velocity Air Curtain For 12' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	5,095.31	913.13
			For Door Limit Switch, Combination Roller And Plunger, Add	128.78	
			For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	258.39	
			For Flat Side Extension Plates, Add	129.20	
			For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0024			Service Window Unheated Air Curtains (23 34 33 00-0001) Note: Normal window sizes.		
23 34 33 00-0025	EA		Air Curtain For 2.5' x 5' Service Window, Unheated Note: Includes housing, mounting brackets and manual controls.	1,546.29	519.99
			For Door Limit Switch, Combination Roller And Plunger, Add	128.78	
			For Flat Side Extension Plates, Add	129.20	
			For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0026			Heated Air Curtains For Entrances (23 34 33) Note: Includes housing, mounting brackets and manual controls.		
23 34 33 00-0027	EA		60" Heated Air Curtain With 1- 300 MBH Heater For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,395.46 128.78 129.20 258.39 310.07 327.30	580.71
23 34 33 00-0028	EA		60" Heated Air Curtain With 1- 400 MBH Heater For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,693.29 128.78 129.20 258.39 310.07 327.30	580.71
23 34 33 00-0029	EA		72" Heated Air Curtain With 1- 350 MBH Heater For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	4,073.97 128.78 129.20 258.39 310.07 327.30	696.77
23 34 33 00-0030	EA		72" Heated Air Curtain With 2- 250 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	4,431.36 128.78 129.20 258.39 310.07 327.30	696.77
23 34 33 00-0031	EA		96" Heated Air Curtain With 1- 400 MBH Heater For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	5,431.19 128.78 129.20 258.39 310.07 327.30	928.87



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
HVAC Fans			23 34

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0032 EA 96" Heated Air Curtain With 2- 350 MBH Heaters.....	5,907.72	928.87
For Door Limit Switch, Combination Roller And Plunger, Add	128.78	
For Flat Side Extension Plates, Add	129.20	
For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0033 EA 117" Heated Air Curtain With 2- 300 MBH Heaters.....	6,618.45	1,131.74
For Door Limit Switch, Combination Roller And Plunger, Add	128.78	
For Flat Side Extension Plates, Add	129.20	
For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0034 EA 117" Heated Air Curtain With 2- 400 MBH Heaters.....	7,199.22	1,131.74
For Door Limit Switch, Combination Roller And Plunger, Add	128.78	
For Flat Side Extension Plates, Add	129.20	
For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0035 EA 147" Heated Air Curtain With 2- 350 MBH Heaters.....	8,315.99	1,421.86
For Door Limit Switch, Combination Roller And Plunger, Add	128.78	
For Flat Side Extension Plates, Add	129.20	
For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0036 EA 147" Heated Air Curtain With 3- 350 MBH Heaters.....	9,760.47	1,421.86
For Door Limit Switch, Combination Roller And Plunger, Add	128.78	
For Flat Side Extension Plates, Add	129.20	
For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0037 EA 168" Heated Air Curtain With 2- 400 MBH Heaters.....	9,504.59	1,625.18
For Door Limit Switch, Combination Roller And Plunger, Add	128.78	
For Flat Side Extension Plates, Add	129.20	
For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0038 EA 168" Heated Air Curtain With 3- 400 MBH Heaters.....	11,155.07	1,625.18
For Door Limit Switch, Combination Roller And Plunger, Add	128.78	
For Flat Side Extension Plates, Add	129.20	
For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0039 EA 192" Heated Air Curtain With 2- 400 MBH Heaters.....	10,859.31	1,857.29
For Door Limit Switch, Combination Roller And Plunger, Add	128.78	
For Flat Side Extension Plates, Add	129.20	
For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0040 EA 192" Heated Air Curtain With 4- 350 MBH Heaters.....	12,745.58	1,857.29
For Door Limit Switch, Combination Roller And Plunger, Add	128.78	
For Flat Side Extension Plates, Add	129.20	
For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	

23 35 Special Exhaust Systems (23 30)

See CSI section 23 31 13 16-0075 for spiral duct/piping.

23 35 13 Dust Collection Systems (23 35)

23 35 13 13 Sawdust Collection Systems (23 35 13)

23 35 13 13-0001 Dust Collector System (23 35 13 13)

23 35 13 13-0002 EA 1.5 HP Dust Collector Central Vacuum Unit.....	3,188.48	779.38
Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.		
23 35 13 13-0003 EA 2 HP Dust Collector Central Vacuum Unit.....	3,593.34	925.51
Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.		
23 35 13 13-0004 EA 2-1/2 HP Dust Collector Central Vacuum Unit.....	4,302.67	1,071.64
Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.		
23 35 13 13-0005 EA 3 HP Dust Collector Central Vacuum Unit.....	4,923.62	1,266.49
Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.		
23 35 13 13-0006 EA 5 HP Dust Collector Central Vacuum Unit.....	9,962.08	1,458.08
Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.		
23 35 13 13-0007 EA 7-1/2 HP Dust Collector Central Vacuum Unit.....	12,060.13	1,701.09
Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.		
23 35 13 13-0008 EA 10 HP Dust Collector Central Vacuum Unit.....	13,812.73	1,944.11
Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.		
23 35 13 13-0009 EA 15 HP Dust Collector Central Vacuum Unit.....	15,550.89	2,235.73
Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.		
23 35 13 13-0010 EA 20 HP Dust Collector Central Vacuum Unit.....	17,365.17	2,527.34
Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.		

23 35 13 13-0011 Vacuum Tubing And Accessories (23 35 13 13)

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 35 Special Exhaust Systems**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 35 13 13-0012	Vacuum Tubing (23 35 13 13-0011)		
23 35 13 13-0013	Flexible Hose (23 35 13 13-0012)		
23 35 13 13-0014	LF 2" Flexible Hose	8.82	1.61
23 35 13 13-0015	LF 3" Flexible Hose	10.50	1.80
23 35 13 13-0016	LF 4" Flexible Hose	11.41	1.98
23 35 13 13-0017	Galvanized Vacuum Tubing (23 35 13 13-0012)		
23 35 13 13-0018	LF 2-1/8" Outside Diameter Vacuum Tubing, Galvanized	7.87	1.61
23 35 13 13-0019	LF 2-1/2" Outside Diameter Vacuum Tubing, Galvanized	8.80	1.71
23 35 13 13-0020	LF 3" Outside Diameter Vacuum Tubing, Galvanized	10.40	1.80
23 35 13 13-0021	LF 3-1/2" Outside Diameter Vacuum Tubing, Galvanized	13.42	1.89
23 35 13 13-0022	LF 4" Outside Diameter Vacuum Tubing, Galvanized	13.81	1.98
23 35 13 13-0023	LF 5" Outside Diameter Vacuum Tubing, Galvanized	22.59	2.25
23 35 13 13-0024	LF 6" Outside Diameter Vacuum Tubing, Galvanized	25.47	2.61
23 35 13 13-0025	LF 8" Outside Diameter Vacuum Tubing, Galvanized	34.48	3.60
23 35 13 13-0026	LF 10" Outside Diameter Vacuum Tubing, Galvanized	40.46	4.50
23 35 13 13-0027	LF 12" Outside Diameter Vacuum Tubing, Galvanized	99.48	5.93
23 35 13 13-0028	Vacuum Fittings, Galvanized (23 35 13 13-0011)		
23 35 13 13-0029	90 Degree Elbow (23 35 13 13-0028)		
23 35 13 13-0030	EA 2-1/8" 90 Degree Elbow, Vacuum Tubing, Galvanized	40.11	10.34
23 35 13 13-0031	EA 2-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized	49.17	11.07
23 35 13 13-0032	EA 3" 90 Degree Elbow, Vacuum Tubing, Galvanized	60.80	12.06
23 35 13 13-0033	EA 3-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized	71.43	13.05
23 35 13 13-0034	EA 4" 90 Degree Elbow, Vacuum Tubing, Galvanized	84.76	14.40
23 35 13 13-0035	EA 5" 90 Degree Elbow, Vacuum Tubing, Galvanized	137.96	16.01
23 35 13 13-0036	EA 6" 90 Degree Elbow, Vacuum Tubing, Galvanized	182.21	17.99
23 35 13 13-0037	EA 8" 90 Degree Elbow, Vacuum Tubing, Galvanized	324.72	24.02
23 35 13 13-0038	45 Degree Elbow (23 35 13 13-0028)		
23 35 13 13-0039	EA 2-1/8" 45 Degree Elbow, Vacuum Tubing, Galvanized	37.75	10.34
23 35 13 13-0040	EA 2-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized	47.23	11.07
23 35 13 13-0041	EA 3" 45 Degree Elbow, Vacuum Tubing, Galvanized	54.29	12.06
23 35 13 13-0042	EA 3-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized	64.08	13.05
23 35 13 13-0043	EA 4" 45 Degree Elbow, Vacuum Tubing, Galvanized	77.97	14.40
23 35 13 13-0044	EA 5" 45 Degree Elbow, Vacuum Tubing, Galvanized	114.39	16.01
23 35 13 13-0045	EA 6" 45 Degree Elbow, Vacuum Tubing, Galvanized	147.56	17.99
23 35 13 13-0046	EA 8" 45 Degree Elbow, Vacuum Tubing, Galvanized	266.49	24.02
23 35 13 13-0047	Wye (23 35 13 13-0028)		
23 35 13 13-0048	EA 2-1/8" Wye, Vacuum Tubing, Galvanized	72.33	17.09
23 35 13 13-0049	EA 2-1/2" Wye, Vacuum Tubing, Galvanized	86.25	18.44
23 35 13 13-0050	EA 3" Wye, Vacuum Tubing, Galvanized	104.47	19.80
23 35 13 13-0051	EA 3-1/2" Wye, Vacuum Tubing, Galvanized	126.21	22.04
23 35 13 13-0052	EA 4" Wye, Vacuum Tubing, Galvanized	166.67	23.84
23 35 13 13-0053	EA 5" Wye, Vacuum Tubing, Galvanized	277.49	26.54
23 35 13 13-0054	EA 6" Wye, Vacuum Tubing, Galvanized	366.10	30.14
23 35 13 13-0055	EA 8" Wye, Vacuum Tubing, Galvanized	715.42	32.83
23 35 13 13-0056	EA 10" Wye, Vacuum Tubing, Galvanized	987.97	35.98
23 35 13 13-0057	EA 12" Wye, Vacuum Tubing, Galvanized	1,246.62	40.30
23 35 13 13-0058	Reducer (23 35 13 13-0028)		
23 35 13 13-0059	EA 3" Reducer, Vacuum Tubing, Galvanized	41.80	12.06
23 35 13 13-0060	EA 4" Reducer, Vacuum Tubing, Galvanized	46.40	13.05
23 35 13 13-0061	EA 5" Reducer, Vacuum Tubing, Galvanized	57.99	14.40
23 35 13 13-0062	EA 6" Reducer, Vacuum Tubing, Galvanized	62.70	16.01
23 35 13 13-0063	EA 8" Reducer, Vacuum Tubing, Galvanized	73.14	17.99
23 35 13 13-0064	Air Gate Valve, Galvanized (23 35 13 13-0011)		
23 35 13 13-0065	EA 2-1/8" Air Gate Valve, Vacuum Tubing, Galvanized	272.16	24.02
23 35 13 13-0066	EA 2-1/2" Air Gate Valve, Vacuum Tubing, Galvanized	285.24	25.64
23 35 13 13-0067	EA 3" Air Gate Valve, Vacuum Tubing, Galvanized	327.23	27.62
23 35 13 13-0068	EA 3-1/2" Air Gate Valve, Vacuum Tubing, Galvanized	372.07	29.50
23 35 13 13-0069	EA 4" Air Gate Valve, Vacuum Tubing, Galvanized	419.02	31.31
23 35 13 13-0070	EA 5" Air Gate Valve, Vacuum Tubing, Galvanized	494.42	35.72
23 35 13 13-0071	EA 6" Air Gate Valve, Vacuum Tubing, Galvanized	569.04	40.04

23 35 16 Engine Exhaust Systems (23 35)**23 35 16 16 Mechanical Engine Exhaust Systems (23 35 16)**



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
Special Exhaust Systems			23 35

23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 16 16-0001			Overhead Tailpipe Exhaust System (23 35 16 16)		
23 35 16 16-0002			Overhead Tailpipe Exhaust Blowers (23 35 16 16-0001)		
23 35 16 16-0003			Overhead Direct Drive Tailpipe Exhaust Blowers (23 35 16 16-0002)		
23 35 16 16-0004	EA		495 CFM 1/3 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	2,455.82	191.62
23 35 16 16-0005	EA		1,445 CFM 3/4 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	2,892.45	391.34
23 35 16 16-0006	EA		1,840 CFM 1-1/2 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	4,004.75	474.11
23 35 16 16-0007			Overhead Belt Drive Tailpipe Exhaust Blowers (23 35 16 16-0002)		
23 35 16 16-0008	EA		1,400 CFM 1 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	2,815.49	391.34
23 35 16 16-0009	EA		2,023 CFM 1-1/2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	3,016.13	474.11
23 35 16 16-0010	EA		2,750 CFM 2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	3,664.57	750.29
23 35 16 16-0011	EA		4,400 CFM 3 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	4,499.33	968.01
23 35 16 16-0012	EA		7,060 CFM 5 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	5,665.84	1,153.32
23 35 16 16-0013			Spiral Exhaust Duct Accessories (23 35 16 16-0001)		
23 35 16 16-0014			Flex Hose x Length (23 35 16 16-0013)		
			Note: Includes duct coupler, damper and tailpipe adapter.		
23 35 16 16-0015	EA		3" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	132.56	47.68
23 35 16 16-0016	EA		3" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	115.27	47.68
23 35 16 16-0017	EA		4" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	204.00	75.57
23 35 16 16-0018	EA		4" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	175.11	75.57
23 35 16 16-0019	EA		5" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	293.28	119.65
23 35 16 16-0020	EA		5" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	282.94	119.65
23 35 16 16-0021	EA		6" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	450.15	189.83
23 35 16 16-0022	EA		6" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	428.40	189.83
23 35 16 16-0023			Flex Hose With Duct Coupler, Damper And Diesel Exhaust Adapter (23 35 16 16-0013)		
23 35 16 16-0024	EA		4" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	146.35	47.68
23 35 16 16-0025	EA		5" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	214.07	75.57
23 35 16 16-0026	EA		4" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	126.44	47.68
23 35 16 16-0027	EA		5" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	184.52	75.57
23 35 16 16-0028	EA		6" x 25' High Pressure, Stainless Steel Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	1,062.97	64.23
23 35 16 16-0029	EA		8" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter.....	946.99	117.85
23 35 16 16-0030	EA		10" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter.....	1,040.63	117.85
23 35 16 16-0031	LF		8" Heat-Resistant Fabric Flex Hose (650 Degree F.).....	50.69	9.17
23 35 16 16-0032	LF		10" Heat-Resistant Fabric Flex Hose (650 Degree F.).....	56.44	9.17
23 35 16 16-0033			Flexible Hose (23 35 16 16-0013)		
23 35 16 16-0034	LF		3" Stainless Steel Flexible Tubing.....	25.03	2.25
23 35 16 16-0035	LF		4" Stainless Steel Flexible Tubing.....	31.68	2.52
23 35 16 16-0036	LF		5" Stainless Steel Flexible Tubing.....	37.50	2.61
23 35 16 16-0037	LF		6" Stainless Steel Flexible Tubing.....	44.11	2.78
23 35 16 16-0038	LF		3" Galvanized Flexible Tubing.....	15.33	2.25
23 35 16 16-0039	LF		4" Galvanized Flexible Tubing.....	17.93	2.52
23 35 16 16-0040	LF		5" Galvanized Flexible Tubing.....	20.47	2.61
23 35 16 16-0041	LF		6" Galvanized Flexible Tubing.....	22.78	2.78
23 35 16 16-0042			Accessories (23 35 16 16-0001)		
23 35 16 16-0043	EA		3" Tail Pipe Adapter.....	42.07	6.75
23 35 16 16-0044	EA		4" Tail Pipe Adapter.....	43.21	6.75
23 35 16 16-0045	EA		5" Tail Pipe Adapter.....	46.17	7.65
23 35 16 16-0046	EA		3" Bullnose (Guide).....	23.61	4.50
23 35 16 16-0047	EA		4" Bullnose (Guide).....	25.14	4.94
23 35 16 16-0048	EA		5" Bullnose (Guide).....	26.87	5.40
23 35 16 16-0049	EA		Flex-Hose Winch And Associated Hardware.....	178.93	51.01
23 35 16 16-0050	LF		Flex-Hose Winch Cable, 1/8" Galvanized Wire Rope.....	0.10	
23 35 19			Fume Exhaust Systems (23 35)		
23 35 19 00-0001	EA		Fume Exhauster, 1 1/2 HP 630 CFM With Out Hose And Intake Nozzle.....	1,799.97	359.58
23 35 19 00-0002	EA		Hose Extension Kit 5'.....	313.57	79.88
23 36			Air Terminal Units (23 30)		
23 36 13			Constant-Air-Volume Units (23 36)		
23 36 13 00-0001			Vertical Units, With Electric Heating Coils (23 36 13)		
23 36 13 00-0002	EA		60 CFM Vertical Induction Unit, With Electric Heating Coils.....	1,330.58	131.81
23 36 13 00-0003	EA		90 CFM Vertical Induction Unit, With Electric Heating Coils.....	1,597.13	141.95
23 36 13 00-0004	EA		120 CFM Vertical Induction Unit, With Electric Heating Coils.....	1,702.98	147.02
23 36 13 00-0005	EA		150 CFM Vertical Induction Unit, With Electric Heating Coils.....	1,818.97	157.16

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 36 Air Terminal Units**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 13 00-0006	EA	175 CFM Vertical Induction Unit, With Electric Heating Coils	2,048.66	162.23
23 36 13 00-0007		Horizontal Units, With Electric Heating Coils (23 36 13)		
23 36 13 00-0008	EA	60 CFM Horizontal Induction Unit, With Electric Heating Coils	1,133.66	131.81
23 36 13 00-0009	EA	90 CFM Horizontal Induction Unit, With Electric Heating Coils	1,350.86	141.95
23 36 13 00-0010	EA	120 CFM Horizontal Induction Unit, With Electric Heating Coils	1,607.62	149.56
23 36 13 00-0011		Duct Boxes, Constant Volume Control (23 36 13)		
23 36 13 00-0012		Single Duct Boxes, Constant Volume Control (23 36 13 00-0011)		
23 36 13 00-0013	EA	4 - 6" Diameter Inlet, 50 - 240 CFM, Single Duct Boxes, Constant Volume Control	571.15	37.02
		For Boxes With Motor, Add	20.00	
23 36 13 00-0014	EA	6 - 8" Diameter Inlet, 100 - 480 CFM, Single Duct Boxes, Constant Volume Control	630.89	39.94
		For Boxes With Motor, Add	20.00	
23 36 13 00-0015	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Single Duct Boxes, Constant Volume Control	660.77	43.84
		For Boxes With Motor, Add	20.00	
23 36 13 00-0016	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Single Duct Boxes, Constant Volume Control	675.04	45.79
		For Boxes With Motor, Add	20.00	
23 36 13 00-0017	EA	12" Diameter Inlet, 250 - 1,200 CFM, Single Duct Boxes, Constant Volume Control	693.94	50.66
		For Boxes With Motor, Add	20.00	
23 36 13 00-0018	EA	14" Diameter Inlet, 350 - 1,680 CFM, Single Duct Boxes, Constant Volume Control	792.12	56.50
		For Boxes With Motor, Add	20.00	
23 36 13 00-0019	EA	16" Diameter Inlet, 450 - 2,160 CFM, Single Duct Boxes, Constant Volume Control	839.42	63.33
		For Boxes With Motor, Add	20.00	
23 36 13 00-0020	EA	20" x 16" Inlet, 550 - 2,640 CFM, Single Duct Boxes, Constant Volume Control	908.73	75.99
		For Boxes With Motor, Add	20.00	
23 36 13 00-0021	EA	24" x 16" Inlet, 650 - 3,120 CFM, Single Duct Boxes, Constant Volume Control	977.80	87.68
		For Boxes With Motor, Add	20.00	
23 36 13 00-0022		Dual Duct Boxes, Constant Volume Control (23 36 13 00-0011)		
23 36 13 00-0023	EA	4 - 6" Diameter Inlet, 50 - 240 CFM, Dual Duct Boxes, Constant Volume Control	771.10	37.02
		For Boxes With Motor, Add	20.00	
23 36 13 00-0024	EA	6 - 8" Diameter Inlet, 100 - 480 CFM, Dual Duct Boxes, Constant Volume Control	826.58	39.94
		For Boxes With Motor, Add	20.00	
23 36 13 00-0025	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Dual Duct Boxes, Constant Volume Control	867.57	43.84
		For Boxes With Motor, Add	20.00	
23 36 13 00-0026	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Dual Duct Boxes, Constant Volume Control	903.88	45.79
		For Boxes With Motor, Add	20.00	
23 36 13 00-0027	EA	12" Diameter Inlet, 250 - 1,200 CFM, Dual Duct Boxes, Constant Volume Control	922.78	50.66
		For Boxes With Motor, Add	20.00	
23 36 13 00-0028	EA	14" Diameter Inlet, 350 - 1,680 CFM, Dual Duct Boxes, Constant Volume Control	1,058.40	57.48
		For Boxes With Motor, Add	20.00	
23 36 13 00-0029	EA	16" Diameter Inlet, 450 - 2,160 CFM, Dual Duct Boxes, Constant Volume Control	1,159.81	63.33
		For Boxes With Motor, Add	20.00	
23 36 13 00-0030	EA	20" x 16" Inlet, 550 - 2,640 CFM, Dual Duct Boxes, Constant Volume Control	1,264.85	75.99
		For Boxes With Motor, Add	20.00	
23 36 13 00-0031	EA	24" x 16" Inlet, 650 - 3,120 CFM, Dual Duct Boxes, Constant Volume Control	1,339.60	87.68
		For Boxes With Motor, Add	20.00	
23 36 16		Variable-Air-Volume Units (23 36)		
23 36 16 00-0001		Variable Volume Terminal Unit (23 36 16)		
		Note: Includes flow controllers, insulated plenum, system powered box mounted thermostat.		
23 36 16 00-0002		Single Duct Variable Volume Terminal Unit (23 36 16 00-0001)		
		Note: Enclosure only. For mounting DDC controls.		
23 36 16 00-0003	EA	6" Diameter Inlet, 80 To 500 CFM, Variable Air Volume Box With Enclosure Only	452.28	44.81
		Note: For mounting DDC controls		
		For Filters And Frames, Add	6.30	
23 36 16 00-0004	EA	8" Diameter Inlet, 145 To 900 CFM, Variable Air Volume Box With Enclosure Only	506.31	50.66
		Note: For mounting DDC controls		
		For Filters And Frames, Add	6.30	
23 36 16 00-0005	EA	10" Diameter Inlet, 230 To 1,400 CFM, Variable Air Volume Box With Enclosure Only	563.82	56.50
		Note: For mounting DDC controls		
		For Filters And Frames, Add	6.30	
23 36 16 00-0006	EA	12" Diameter Inlet, 325 To 2,000 CFM, Variable Air Volume Box With Enclosure Only	602.39	63.33
		Note: For mounting DDC controls		
		For Filters And Frames, Add	6.30	
23 36 16 00-0007	EA	14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With Enclosure Only	830.20	136.29
		Note: For mounting DDC controls		
		For Filters And Frames, Add	6.30	
23 36 16 00-0008	EA	16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With Enclosure Only	1,006.21	161.73
		Note: For mounting DDC controls		
		For Filters And Frames, Add	6.30	
23 36 16 00-0009		Single Duct Variable Volume Terminal Unit (23 36 16 00-0001)		
		Note: With pneumatic controls.		



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Air Distribution			23 30	
Air Terminal Units			23 36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0010	EA		6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With pneumatic controller.....	934.80	44.81
			For Fan Powered Variable Air Volume Box, Add	978.43	
			For Hot Water Coils, Add	40.55	
			For Pressure Independent Actuator, Add	67.57	
			For Filters And Frames, Add	6.30	
23 36 16 00-0011	EA		8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With pneumatic controller.....	1,011.47	50.66
			For Fan Powered Variable Air Volume Box, Add	1,048.06	
			For Hot Water Coils, Add	40.55	
			For Pressure Independent Actuator, Add	67.57	
			For Filters And Frames, Add	6.30	
23 36 16 00-0012	EA		10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With pneumatic controller.....	1,060.27	56.50
			For Fan Powered Variable Air Volume Box, Add	1,080.98	
			For Hot Water Coils, Add	40.55	
			For Pressure Independent Actuator, Add	67.57	
			For Filters And Frames, Add	6.30	
23 36 16 00-0013	EA		12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With pneumatic controller.....	1,107.55	63.33
			For Fan Powered Variable Air Volume Box, Add	1,111.77	
			For Hot Water Coils, Add	40.55	
			For Pressure Independent Actuator, Add	67.57	
			For Filters And Frames, Add	6.30	
23 36 16 00-0014	EA		14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With pneumatic controller.....	1,288.32	136.29
			For Fan Powered Variable Air Volume Box, Add	1,248.38	
			For Hot Water Coils, Add	40.55	
			For Pressure Independent Actuator, Add	67.57	
			For Filters And Frames, Add	6.30	
23 36 16 00-0015	EA		16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With pneumatic controller.....	1,502.66	161.73
			For Fan Powered Variable Air Volume Box, Add	1,355.41	
			For Hot Water Coils, Add	40.55	
			For Pressure Independent Actuator, Add	67.57	
			For Filters And Frames, Add	6.30	
23 36 16 00-0016			Single Duct Variable Volume Terminal Unit (23 36 16 00-0001)		
			Note: With analog electronic controls.		
23 36 16 00-0017	EA		6" Diameter Inlet, 60 To 500 CFM, Variable Air Volume Box With Analog Electronic Controls.....	1,535.77	44.81
			For Hot Water Coils, Add	40.55	
			For Filters And Frames, Add	6.30	
23 36 16 00-0018	EA		8" Diameter Inlet, 105 To 900 CFM, Variable Air Volume Box With Analog Electronic Controls.....	1,598.50	50.66
			For Hot Water Coils, Add	40.55	
			For Filters And Frames, Add	6.30	
23 36 16 00-0019	EA		10" Diameter Inlet, 165 To 1,400 CFM, Variable Air Volume Box With Analog Electronic Controls.....	1,656.01	56.50
			For Hot Water Coils, Add	40.55	
			For Filters And Frames, Add	6.30	
23 36 16 00-0020	EA		12" Diameter Inlet, 235 To 2,000 CFM, Variable Air Volume Box With Analog Electronic Controls.....	1,736.38	63.33
			For Hot Water Coils, Add	40.55	
			For Filters And Frames, Add	6.30	
23 36 16 00-0021	EA		14" Diameter Inlet, 320 To 3,000 CFM, Variable Air Volume Box With Analog Electronic Controls.....	1,918.90	136.29
			For Hot Water Coils, Add	40.55	
			For Filters And Frames, Add	6.30	
23 36 16 00-0022	EA		16" Diameter Inlet, 420 To 4,000 CFM, Variable Air Volume Box With Analog Electronic Controls.....	1,953.74	136.29
			For Hot Water Coils, Add	40.55	
			For Filters And Frames, Add	6.30	
23 36 16 00-0023			Dual Duct Variable Volume Terminal Unit (23 36 16 00-0001)		
			Note: With flow control installation, plenum system power box, thermostat.		
23 36 16 00-0024	EA		6" Diameter Inlet, 75 - 500 CFM, Variable Air Volume Box, Dual Duct	1,056.81	88.55
			For Filters And Frames, Add	6.30	
23 36 16 00-0025	EA		8" Diameter Inlet, 200 - 700 CFM, Variable Air Volume Box, Dual Duct	1,156.19	100.83
			For Filters And Frames, Add	6.30	
23 36 16 00-0026	EA		10" Diameter Inlet, 400 - 1,000 CFM, Variable Air Volume Box, Dual Duct	1,238.52	113.89
			For Filters And Frames, Add	6.30	
23 36 16 00-0027	EA		12" Diameter Inlet, 600 - 1,400 CFM, Variable Air Volume Box, Dual Duct	1,358.51	127.04
			For Filters And Frames, Add	6.30	
23 36 16 00-0028	EA		14" Diameter Inlet, 800 - 2,700 CFM, Variable Air Volume Box, Dual Duct	1,527.67	146.13
			For Filters And Frames, Add	6.30	
23 36 16 00-0029	EA		16" Diameter Inlet, 1,000 - 3,500 CFM, Variable Air Volume Box, Dual Duct	1,679.71	175.36
			For Filters And Frames, Add	6.30	
23 36 16 00-0030			Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M) (23 36 16 00-0001)		
23 36 16 00-0031	EA		0 To 200 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-A)	438.49	60.89
			For Filters And Frames, Add	6.30	
23 36 16 00-0032	EA		0 To 300 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-B)	476.49	66.98
			For Filters And Frames, Add	6.30	
23 36 16 00-0033	EA		0 To 400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-C)	515.45	73.07
			For Filters And Frames, Add	6.30	
23 36 16 00-0034	EA		0 To 700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-D)	555.43	79.15
			For Filters And Frames, Add	6.30	
23 36 16 00-0035	EA		0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-E)	596.51	85.24
			For Filters And Frames, Add	6.30	
23 36 16 00-0036	EA		0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-F)	638.75	91.34
			For Filters And Frames, Add	6.30	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 36 Air Terminal Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0037 EA 0 To 1,100 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-G).....	685.45	97.42
For Filters And Frames, Add	6.30	
23 36 16 00-0038 EA 0 To 1,900 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-H).....	730.51	103.51
For Filters And Frames, Add	6.30	
23 36 16 00-0039 EA 0 To 2,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-J).....	777.03	109.60
For Filters And Frames, Add	6.30	
23 36 16 00-0040 EA 0 To 3,800 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-K).....	825.08	115.68
For Filters And Frames, Add	6.30	
23 36 16 00-0041 EA 0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-L).....	874.81	121.78
For Filters And Frames, Add	6.30	
23 36 16 00-0042 EA 0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M).....	926.30	127.87
For Filters And Frames, Add	6.30	
23 36 16 00-0043 EA 0 To 6,700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-N).....	979.69	133.96
For Filters And Frames, Add	6.30	
23 36 16 00-0044 EA 0 To 10,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-P).....	1,030.71	140.04
For Filters And Frames, Add	6.30	
23 36 16 00-0045 EA 0 To 15,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-R).....	1,088.01	146.13
For Filters And Frames, Add	6.30	

23 37 Air Outlets and Inlets (23 30)**23 37 13 Diffusers, Registers, and Grilles (23 37)****23 37 13 13 Diffusers, Registers, and Grilles (23 37 13)****23 37 13 13-0001 Ceiling Diffusers (23 37 13 13)****23 37 13 13-0002 Ceiling Diffusers With Perforated Face (23 37 13 13-0001)**

Note: Flush mount, aluminum construction, includes damper.

23 37 13 13-0003 EA 6" x 6" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	89.02	12.67
For Steel Construction, Deduct	-5.84	
For Surface Mount, Deduct	-4.67	
For Diffuser Without Damper, Deduct	-7.78	
For Stainless Steel, Add	97.28	
23 37 13 13-0004 EA 8" x 8" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	97.66	12.67
For Steel Construction, Deduct	-7.13	
For Surface Mount, Deduct	-5.71	
For Diffuser Without Damper, Deduct	-9.51	
For Stainless Steel, Add	118.88	
23 37 13 13-0005 EA 9" x 9" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	97.66	12.67
For Steel Construction, Deduct	-7.13	
For Surface Mount, Deduct	-5.71	
For Diffuser Without Damper, Deduct	-9.51	
For Stainless Steel, Add	118.88	
23 37 13 13-0006 EA 10" x 10" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	117.38	15.59
For Steel Construction, Deduct	-8.54	
For Surface Mount, Deduct	-6.83	
For Diffuser Without Damper, Deduct	-11.38	
For Stainless Steel, Add	142.30	
23 37 13 13-0007 EA 12" x 12" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	117.38	14.61
For Steel Construction, Deduct	-8.54	
For Surface Mount, Deduct	-6.83	
For Diffuser Without Damper, Deduct	-11.38	
For Stainless Steel, Add	142.30	
23 37 13 13-0008 EA 16" x 16" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	133.23	14.61
For Steel Construction, Deduct	-10.92	
For Surface Mount, Deduct	-8.73	
For Diffuser Without Damper, Deduct	-14.55	
For Stainless Steel, Add	181.93	
23 37 13 13-0009 EA 18" x 18" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	154.17	19.49
For Steel Construction, Deduct	-11.74	
For Surface Mount, Deduct	-9.39	
For Diffuser Without Damper, Deduct	-15.65	
For Stainless Steel, Add	195.63	
23 37 13 13-0010 EA 20" x 20" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	177.41	20.45
For Steel Construction, Deduct	-14.66	
For Surface Mount, Deduct	-11.72	
For Diffuser Without Damper, Deduct	-19.54	
For Stainless Steel, Add	244.25	
23 37 13 13-0011 EA 24" x 24" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	201.43	23.38
For Steel Construction, Deduct	-16.30	
For Surface Mount, Deduct	-13.04	
For Lay-In Mount, Deduct	-13.04	
For Diffuser Without Damper, Deduct	-21.73	
For Stainless Steel, Add	271.63	

23 37 13 13-0012 Ceiling Diffusers With Louver Face (23 37 13 13-0001)

Note: 1 To 4 way adjustable pattern, surface mount aluminum construction.

23 37 13 13-0013 EA 6" x 6" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper.....	91.90	12.67
For Steel Construction, Deduct	-6.27	
For Flush Mount, Add	6.27	
For Stainless Steel, Add	104.48	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Air Distribution			23 30	
Air Outlets and Inlets			23 37	

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST		
23 37 13 13-0014	EA	8" x 8" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	103.14		12.67
		For Steel Construction, Deduct	-7.95		
		For Flush Mount, Add	7.95		
		For Stainless Steel, Add	132.58		
23 37 13 13-0015	EA	9" x 9" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	103.14		12.67
		For Steel Construction, Deduct	-7.95		
		For Flush Mount, Add	7.95		
		For Stainless Steel, Add	132.58		
23 37 13 13-0016	EA	10" x 10" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	123.86		14.61
		For Steel Construction, Deduct	-9.51		
		For Flush Mount, Add	9.51		
		For Stainless Steel, Add	158.50		
23 37 13 13-0017	EA	12" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	123.86		15.59
		For Steel Construction, Deduct	-9.51		
		For Flush Mount, Add	9.51		
		For Stainless Steel, Add	158.50		
23 37 13 13-0018	EA	24" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	159.25		19.49
		For Steel Construction, Deduct	-12.45		
		For Flush Mount, Add	12.45		
		For Stainless Steel, Add	207.50		
23 37 13 13-0019	EA	14" x 14" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	143.98		19.49
		For Steel Construction, Deduct	-10.16		
		For Flush Mount, Add	10.16		
		For Stainless Steel, Add	169.33		
23 37 13 13-0020	EA	18" x 18" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	179.18		23.38
		For Steel Construction, Deduct	-13.03		
		For Flush Mount, Add	13.03		
		For Stainless Steel, Add	217.23		
23 37 13 13-0021	EA	21" x 21" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	205.39		26.30
		For Steel Construction, Deduct	-16.21		
		For Flush Mount, Add	16.21		
		For Stainless Steel, Add	270.18		
23 37 13 13-0022	EA	24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	223.77		51.54
		For Steel Construction, Deduct	-18.09		
		For Flush Mount, Add	18.09		
		For Lay-In Mount, Add	24.12		
		For Stainless Steel, Add	301.53		
23 37 13 13-0023		Round Ceiling Diffusers With Fixed Pattern (23 37 13 13-0001)			
		Note: Aluminum construction.			
23 37 13 13-0024	EA	6" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	143.65		12.67
		For Steel Construction, Deduct	-28.06		
		For Stainless Steel, Add	233.85		
23 37 13 13-0025	EA	8" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	148.44		12.67
		For Steel Construction, Deduct	-29.50		
		For Stainless Steel, Add	245.83		
23 37 13 13-0026	EA	10" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	168.39		15.59
		For Steel Construction, Deduct	-32.38		
		For Stainless Steel, Add	269.83		
23 37 13 13-0027	EA	12" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	180.38		14.61
		For Steel Construction, Deduct	-35.98		
		For Stainless Steel, Add	299.80		
23 37 13 13-0028	EA	14" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	254.82		17.54
		For Steel Construction, Deduct	-55.40		
		For Stainless Steel, Add	461.68		
23 37 13 13-0029	EA	16" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	268.53		18.51
		For Steel Construction, Deduct	-58.64		
		For Stainless Steel, Add	488.65		
23 37 13 13-0030	EA	18" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	282.51		19.49
		For Steel Construction, Deduct	-61.88		
		For Stainless Steel, Add	515.65		
23 37 13 13-0031	EA	20" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	324.87		19.49
		For Steel Construction, Deduct	-73.55		
		For Stainless Steel, Add	612.90		
23 37 13 13-0032	EA	24" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	386.14		22.41
		For Steel Construction, Deduct	-89.54		
		For Stainless Steel, Add	746.15		
23 37 13 13-0033	EA	28" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	433.39		23.38
		For Steel Construction, Deduct	-102.33		
		For Stainless Steel, Add	852.75		
23 37 13 13-0034	EA	32" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	516.21		26.30
		For Steel Construction, Deduct	-123.92		
		For Stainless Steel, Add	1,032.63		
23 37 13 13-0035		Round Ceiling Diffusers With Adjustable Pattern Dropped Style (23 37 13 13-0001)			
		Note: Aluminum construction.			

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0036 EA 6" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	150.84	12.67
For Steel Construction, Deduct	-10.07	
For Flush Mount, Deduct	-5.04	
For Stainless Steel, Add	251.83	
23 37 13 13-0037 EA 8" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	163.23	12.67
For Steel Construction, Deduct	-11.31	
For Flush Mount, Deduct	-5.66	
For Stainless Steel, Add	282.80	
23 37 13 13-0038 EA 10" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	185.71	15.59
For Steel Construction, Deduct	-12.53	
For Flush Mount, Deduct	-6.26	
For Stainless Steel, Add	313.13	
23 37 13 13-0039 EA 12" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	199.56	15.59
For Steel Construction, Deduct	-13.91	
For Flush Mount, Deduct	-6.96	
For Stainless Steel, Add	347.75	
23 37 13 13-0040 EA 14" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	286.00	17.54
For Steel Construction, Deduct	-21.59	
For Flush Mount, Deduct	-10.79	
For Stainless Steel, Add	539.63	
23 37 13 13-0041 EA 16" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	237.94	18.51
For Steel Construction, Deduct	-23.06	
For Flush Mount, Deduct	-11.53	
For Stainless Steel, Add	576.60	
23 37 13 13-0042 EA 18" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	321.68	19.49
For Steel Construction, Deduct	-24.54	
For Flush Mount, Deduct	-12.27	
For Stainless Steel, Add	613.58	
23 37 13 13-0043 EA 20" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	371.51	20.45
For Steel Construction, Deduct	-29.18	
For Flush Mount, Deduct	-14.59	
For Stainless Steel, Add	729.50	
23 37 13 13-0044 EA 24" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	419.18	22.41
For Steel Construction, Deduct	-33.15	
For Flush Mount, Deduct	-16.58	
For Stainless Steel, Add	828.75	
23 37 13 13-0045 EA 28" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	505.34	23.38
For Steel Construction, Deduct	-41.31	
For Flush Mount, Deduct	-20.65	
For Stainless Steel, Add	1,032.63	
23 37 13 13-0046 EA 32" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	607.08	26.30
For Steel Construction, Deduct	-50.39	
For Flush Mount, Deduct	-25.20	
For Stainless Steel, Add	1,259.80	
23 37 13 13-0047 EA 36" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	671.62	54.85
For Stainless Steel, Add	1,405.05	
23 37 13 13-0048 Linear Type Ceiling Diffusers With 2-Way Air Deflection (23 37 13 13-0001)		
23 37 13 13-0049 LF 4" Linear Type Ceiling Diffuser 40-200 CFM/LF, With 2-Way Air Deflection.....	118.98	14.61
For Stainless Steel, Add	151.30	
23 37 13 13-0050 LF 6-1/4" Linear Type Ceiling Diffuser, 41 - 206 CFM/LF, With 2-Way Air Deflection.....	127.21	14.61
For Stainless Steel, Add	171.88	
23 37 13 13-0051 LF 9-1/4" Linear Type Ceiling Diffuser, 62 - 312 CFM/LF, With 2-Way Air Deflection.....	137.34	14.61
For Stainless Steel, Add	197.20	
23 37 13 13-0052 LF 12-1/4" Linear Type Ceiling Diffuser, 131 - 656 CFM/LF, With 2-Way Air Deflection.....	147.20	14.61
For Stainless Steel, Add	221.85	
23 37 13 13-0053 Wall And Floor Diffusers (23 37 13 13)		
23 37 13 13-0054 Slot Type Linear Diffusers (23 37 13 13-0053)		
Note: For sidewall sill or ceiling 1/2" 3/4" or 1" slot spacing 1-1/8" border.		
23 37 13 13-0055 LF 1 Slot Linear Diffusers 10 - 70 CFM/LF, Sidewall, Sill, Ceiling.....	40.45	4.87
For 3/4" Border, Add	5.00	
For Floor Mounted Diffusers, Add	6.00	
For Stainless Steel, Add	25.99	
23 37 13 13-0056 LF 2 Slot Linear Diffusers 20 - 140 CFM/LF, Sidewall, Sill, Ceiling.....	49.05	5.85
For 3/4" Border, Add	6.66	
For Floor Mounted Diffusers, Add	8.00	
For Stainless Steel, Add	34.65	
23 37 13 13-0057 LF 3 Slot Linear Diffusers 30 - 210 CFM/LF, Sidewall, Sill, Ceiling.....	67.32	6.82
For 3/4" Border, Add	10.49	
For Floor Mounted Diffusers, Add	12.59	
For Stainless Steel, Add	54.56	
23 37 13 13-0058 LF 4 Slot Linear Diffusers 40 - 280 CFM/LF, Sidewall, Sill, Ceiling.....	88.20	6.82
For 3/4" Border, Add	14.99	
For Floor Mounted Diffusers, Add	17.99	
For Stainless Steel, Add	77.95	
23 37 13 13-0059 LF 5 Slot Linear Diffusers 50 - 350 CFM/LF, Sidewall, Sill, Ceiling.....	110.12	7.80
For 3/4" Border, Add	19.49	
For Floor Mounted Diffusers, Add	23.39	
For Stainless Steel, Add	101.34	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Air Distribution			23 30	
Air Outlets and Inlets			23 37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0060	LF		6 Slot Linear Diffusers 60 - 420 CFM/LF, Sidewall, Sill, Ceiling.....	128.93	9.74
			For 3/4" Border, Add	22.99	
			For Floor Mounted Diffusers, Add	27.58	
			For Stainless Steel, Add	119.52	
23 37 13 13-0061 Linear Bar Grilles And Registers (23 37 13 13-0053)					
Note: For sidewall sill or ceiling or 15 degree deflection 1/2" bar spacing 1" border aluminum construction.					
23 37 13 13-0062	LF		2" Wide Linear Bar Grilles/Registers 30 - 70 CFM/LF, Sidewall, Sill, Ceiling.....	119.00	5.85
			For Floor Mount, Add	9.66	
			For Opposed Blade Damper, Add	19.32	
			For Stainless Steel, Add	125.58	
23 37 13 13-0063	LF		3" Wide Linear Bar Grilles/Registers 55 - 143 CFM/LF, Sidewall, Sill, Ceiling.....	141.94	6.82
			For Floor Mount, Add	11.66	
			For Opposed Blade Damper, Add	23.32	
			For Stainless Steel, Add	151.57	
23 37 13 13-0064	LF		4" Wide Linear Bar Grilles/Registers 80 - 208 CFM/LF, Sidewall, Sill, Ceiling.....	154.82	6.82
			For Floor Mount, Add	12.66	
			For Opposed Blade Damper, Add	25.32	
			For Stainless Steel, Add	164.55	
23 37 13 13-0065	LF		6" Wide Linear Bar Grilles/Registers 125 - 325 CFM/LF, Sidewall, Sill, Ceiling.....	190.22	9.74
			For Floor Mount, Add	15.32	
			For Opposed Blade Damper, Add	30.65	
			For Stainless Steel, Add	199.20	
23 37 13 13-0066	LF		9" Wide Linear Bar Grilles/Registers 225 - 450 CFM/LF, Sidewall, Sill, Ceiling.....	262.86	12.67
			For Floor Mount, Add	21.32	
			For Opposed Blade Damper, Add	42.64	
			For Stainless Steel, Add	277.15	
23 37 13 13-0067	LF		12" Wide Linear Bar Grilles/Registers 225 - 495 CFM/LF, Sidewall, Sill, Ceiling.....	303.62	14.61
			For Floor Mount, Add	24.32	
			For Opposed Blade Damper, Add	48.63	
			For Stainless Steel, Add	316.11	
23 37 13 13-0068 Return/Exhaust Registers And Grilles (23 37 13 13)					
23 37 13 13-0069 Return/Exhaust Registers With Frame (23 37 13 13-0068)					
Note: Single deflection with opposed blade damper aluminum construction wall or ceiling mount.					
23 37 13 13-0070	EA		8" x 4" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	83.87	7.80
			For Steel Construction, Deduct	-10.73	
			For Grilles (No Damper), Deduct	-21.45	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	5.36	
			For Cube Core Lay In, Add	10.73	
			For Stainless Steel, Add	134.08	
23 37 13 13-0071	EA		8" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	95.53	7.80
			For Steel Construction, Deduct	-13.06	
			For Grilles (No Damper), Deduct	-26.12	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	6.53	
			For Cube Core Lay In, Add	13.06	
			For Stainless Steel, Add	163.23	
23 37 13 13-0072	EA		10" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	107.35	8.76
			For Steel Construction, Deduct	-14.46	
			For Grilles (No Damper), Deduct	-28.91	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	7.23	
			For Cube Core Lay In, Add	14.46	
			For Stainless Steel, Add	180.70	
23 37 13 13-0073	EA		10" x 10" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	113.06	9.74
			For Steel Construction, Deduct	-14.46	
			For Grilles (No Damper), Deduct	-28.91	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	7.23	
			For Cube Core Lay In, Add	14.46	
			For Stainless Steel, Add	180.70	
23 37 13 13-0074	EA		12" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	108.40	9.74
			For Steel Construction, Deduct	-13.52	
			For Grilles (No Damper), Deduct	-27.05	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	6.76	
			For Cube Core Lay In, Add	13.52	
			For Stainless Steel, Add	169.05	
23 37 13 13-0075	EA		12" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	138.72	12.67
			For Steel Construction, Deduct	-17.72	
			For Grilles (No Damper), Deduct	-35.44	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	8.86	
			For Cube Core Lay In, Add	17.72	
			For Stainless Steel, Add	221.53	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0076 EA 16" x 16" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	166.25	14.61
For Steel Construction, Deduct	-21.16	
For Grilles (No Damper), Deduct	-42.32	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	10.58	
For Cube Core Lay In, Add	21.16	
For Stainless Steel, Add	264.48	
23 37 13 13-0077 EA 18" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	203.05	17.54
For Steel Construction, Deduct	-26.58	
For Grilles (No Damper), Deduct	-53.16	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	13.29	
For Cube Core Lay In, Add	26.58	
For Stainless Steel, Add	332.25	
23 37 13 13-0078 EA 20" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	237.20	19.49
For Steel Construction, Deduct	-32.19	
For Grilles (No Damper), Deduct	-64.38	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	16.10	
For Cube Core Lay In, Add	32.19	
For Stainless Steel, Add	402.38	
23 37 13 13-0079 EA 24" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	214.33	19.49
For Steel Construction, Deduct	-26.92	
For Grilles (No Damper), Deduct	-53.85	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	13.46	
For Cube Core Lay In, Add	26.92	
For Stainless Steel, Add	336.55	
23 37 13 13-0080 EA 24" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	242.93	19.49
For Steel Construction, Deduct	-32.64	
For Grilles (No Damper), Deduct	-65.29	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	16.32	
For Cube Core Lay In, Add	32.64	
For Stainless Steel, Add	408.05	
23 37 13 13-0081 EA 24" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	256.85	22.41
For Steel Construction, Deduct	-33.83	
For Grilles (No Damper), Deduct	-67.67	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	16.92	
For Cube Core Lay In, Add	33.83	
For Stainless Steel, Add	422.93	
23 37 13 13-0082 EA 30" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	272.07	23.38
For Steel Construction, Deduct	-35.96	
For Grilles (No Damper), Deduct	-71.91	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	17.98	
For Cube Core Lay In, Add	35.96	
For Stainless Steel, Add	449.45	
23 37 13 13-0083 EA 30" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	313.00	26.30
For Steel Construction, Deduct	-41.97	
For Grilles (No Damper), Deduct	-83.94	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	20.98	
For Cube Core Lay In, Add	41.97	
For Stainless Steel, Add	524.60	
23 37 13 13-0084 EA 30" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	352.35	31.18
For Steel Construction, Deduct	-45.42	
For Grilles (No Damper), Deduct	-90.84	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	22.71	
For Cube Core Lay In, Add	45.42	
For Stainless Steel, Add	567.73	
23 37 13 13-0085 EA 30" x 30" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	451.08	31.18
For Steel Construction, Deduct	-65.16	
For Grilles (No Damper), Deduct	-130.33	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	32.58	
For Cube Core Lay In, Add	65.16	
For Stainless Steel, Add	814.55	
23 37 13 13-0086 EA 36" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	380.22	34.10
For Steel Construction, Deduct	-49.07	
For Grilles (No Damper), Deduct	-98.13	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	24.53	
For Cube Core Lay In, Add	49.07	
For Stainless Steel, Add	613.33	
23 37 13 13-0087 EA 36" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	370.84	33.12
For Steel Construction, Deduct	-47.19	
For Grilles (No Damper), Deduct	-94.38	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	23.60	
For Cube Core Lay In, Add	47.19	
For Stainless Steel, Add	589.88	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Air Distribution			23 30	
Air Outlets and Inlets			23 37	

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
23 37 13 13-0088	EA	36" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	420.91	37.02
		For Steel Construction, Deduct	-54.96	
		For Grilles (No Damper), Deduct	-109.91	
		For Removable Core, Add	35.00	
		For Cube Core With Frame, Add	27.48	
		For Cube Core Lay In, Add	54.96	
		For Stainless Steel, Add	686.95	
23 37 13 13-0089	EA	36" x 36" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	563.83	39.94
		For Steel Construction, Deduct	-80.88	
		For Grilles (No Damper), Deduct	-161.76	
		For Removable Core, Add	35.00	
		For Cube Core With Frame, Add	40.44	
		For Cube Core Lay In, Add	80.88	
		For Stainless Steel, Add	1,011.03	
23 37 13 13-0090	EA	24" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	253.52	22.50
		For Steel Construction, Deduct	-32.72	
		For Grilles (No Damper), Deduct	-65.45	
		For Removable Core, Add	35.00	
		For Cube Core With Frame, Add	16.36	
		For Cube Core Lay In, Add	32.72	
		For Stainless Steel, Add	409.05	
23 37 13 13-0091	EA	32" x 40" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	458.31	39.85
		For Steel Construction, Deduct	-59.78	
		For Grilles (No Damper), Deduct	-119.56	
		For Removable Core, Add	35.00	
		For Cube Core With Frame, Add	29.89	
		For Cube Core Lay In, Add	59.78	
		For Stainless Steel, Add	747.23	
23 37 13 13-0092	EA	48" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	489.10	38.97
		For Steel Construction, Deduct	-68.59	
		For Grilles (No Damper), Deduct	-137.19	
		For Removable Core, Add	35.00	
		For Cube Core With Frame, Add	34.30	
		For Cube Core Lay In, Add	68.59	
		For Stainless Steel, Add	857.43	
23 37 13 13-0093		Return/Exhaust Registers Removable-Reversible (23 37 13 13-0068)		
		Note: Double deflection core and opposed blade damper radiused frame with boarder aluminum construction.		
23 37 13 13-0094	EA	8" x 4" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	77.81	7.80
		For Steel Construction, Deduct	-4.76	
		For Flat Frame, Deduct	-0.48	
		For Grilles (No Damper), Deduct	-9.51	
		For Stainless Steel, Add	118.93	
23 37 13 13-0095	EA	8" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	77.81	7.80
		For Steel Construction, Deduct	-4.76	
		For Flat Frame, Deduct	-0.48	
		For Grilles (No Damper), Deduct	-9.51	
		For Stainless Steel, Add	118.93	
23 37 13 13-0096	EA	10" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	95.23	8.76
		For Steel Construction, Deduct	-6.02	
		For Flat Frame, Deduct	-0.60	
		For Grilles (No Damper), Deduct	-12.03	
		For Stainless Steel, Add	150.40	
23 37 13 13-0097	EA	10" x 10" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	109.33	10.72
		For Steel Construction, Deduct	-6.86	
		For Flat Frame, Deduct	-0.69	
		For Grilles (No Damper), Deduct	-13.71	
		For Stainless Steel, Add	171.38	
23 37 13 13-0098	EA	12" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	107.93	9.74
		For Steel Construction, Deduct	-6.72	
		For Flat Frame, Deduct	-0.67	
		For Grilles (No Damper), Deduct	-13.43	
		For Stainless Steel, Add	167.88	
23 37 13 13-0099	EA	12" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	139.65	12.67
		For Steel Construction, Deduct	-8.95	
		For Flat Frame, Deduct	-0.90	
		For Grilles (No Damper), Deduct	-17.91	
		For Stainless Steel, Add	223.85	
23 37 13 13-0100	EA	16" x 16" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	222.28	15.59
		For Steel Construction, Deduct	-16.18	
		For Flat Frame, Deduct	-1.62	
		For Grilles (No Damper), Deduct	-32.36	
		For Stainless Steel, Add	404.55	
23 37 13 13-0101	EA	18" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	267.41	17.54
		For Steel Construction, Deduct	-19.73	
		For Flat Frame, Deduct	-1.97	
		For Grilles (No Damper), Deduct	-39.45	
		For Stainless Steel, Add	493.15	
23 37 13 13-0102	EA	20" x 20" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	301.49	19.49
		For Steel Construction, Deduct	-22.52	
		For Flat Frame, Deduct	-2.25	
		For Grilles (No Damper), Deduct	-45.05	
		For Stainless Steel, Add	563.10	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0103 EA 24" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	253.19	19.49
For Steel Construction, Deduct	-17.35	
For Flat Frame, Deduct	-1.73	
For Grilles (No Damper), Deduct	-34.70	
For Stainless Steel, Add	433.70	
23 37 13 13-0104 EA 24" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	337.13	20.45
For Steel Construction, Deduct	-25.74	
For Flat Frame, Deduct	-2.57	
For Grilles (No Damper), Deduct	-51.48	
For Stainless Steel, Add	643.55	
23 37 13 13-0105 EA 24" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	392.67	22.41
For Steel Construction, Deduct	-30.50	
For Flat Frame, Deduct	-3.05	
For Grilles (No Damper), Deduct	-61.00	
For Stainless Steel, Add	762.48	
23 37 13 13-0106 EA 30" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	304.94	23.38
For Steel Construction, Deduct	-21.27	
For Flat Frame, Deduct	-2.13	
For Grilles (No Damper), Deduct	-42.53	
For Stainless Steel, Add	531.63	
23 37 13 13-0107 EA 30" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	416.54	26.30
For Steel Construction, Deduct	-31.34	
For Flat Frame, Deduct	-3.13	
For Grilles (No Damper), Deduct	-62.68	
For Stainless Steel, Add	783.45	
23 37 13 13-0108 EA 30" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	501.60	31.18
For Steel Construction, Deduct	-37.63	
For Flat Frame, Deduct	-3.76	
For Grilles (No Damper), Deduct	-75.27	
For Stainless Steel, Add	940.85	
23 37 13 13-0109 EA 30" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	572.25	31.18
For Steel Construction, Deduct	-44.70	
For Flat Frame, Deduct	-4.47	
For Grilles (No Damper), Deduct	-89.40	
For Stainless Steel, Add	1,117.48	
23 37 13 13-0110 EA 36" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	396.51	33.12
For Steel Construction, Deduct	-26.16	
For Flat Frame, Deduct	-2.62	
For Grilles (No Damper), Deduct	-52.32	
For Stainless Steel, Add	654.05	
23 37 13 13-0111 EA 36" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	530.82	33.12
For Steel Construction, Deduct	-39.59	
For Flat Frame, Deduct	-3.96	
For Grilles (No Damper), Deduct	-79.19	
For Stainless Steel, Add	989.83	
23 37 13 13-0112 EA 36" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	613.41	37.02
For Steel Construction, Deduct	-46.73	
For Flat Frame, Deduct	-4.67	
For Grilles (No Damper), Deduct	-93.46	
For Stainless Steel, Add	1,168.20	
23 37 13 13-0113 EA 36" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	715.53	39.94
For Steel Construction, Deduct	-55.61	
For Flat Frame, Deduct	-5.56	
For Grilles (No Damper), Deduct	-111.22	
For Stainless Steel, Add	1,390.28	
23 37 13 13-0114 EA 36" x 36" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	754.71	39.94
For Steel Construction, Deduct	-59.53	
For Flat Frame, Deduct	-5.95	
For Grilles (No Damper), Deduct	-119.06	
For Stainless Steel, Add	1,488.23	
23 37 13 13-0115 Aluminum Eggcrate Ceiling Return Air And Exhaust Grilles (23 37 13 13-0068)		
23 37 13 13-0116 EA 6" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	43.58	9.54
23 37 13 13-0117 EA 8" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	43.58	9.54
23 37 13 13-0118 EA 8" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	46.94	9.54
23 37 13 13-0119 EA 8" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	48.28	9.54
23 37 13 13-0120 EA 10" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	46.94	9.54
23 37 13 13-0121 EA 10" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	48.28	9.54
23 37 13 13-0122 EA 10" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	58.63	12.50
23 37 13 13-0123 EA 10" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	59.97	12.50
23 37 13 13-0124 EA 12" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	57.28	12.50
23 37 13 13-0125 EA 12" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	59.97	12.50
23 37 13 13-0126 EA 12" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	61.32	12.50
23 37 13 13-0127 EA 12" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	62.66	12.50
23 37 13 13-0128 EA 14" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	60.64	12.50
23 37 13 13-0129 EA 14" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	63.33	12.50
23 37 13 13-0130 EA 14" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	64.68	12.50
23 37 13 13-0131 EA 14" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	70.73	12.50
23 37 13 13-0132 EA 16" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	63.33	12.50
23 37 13 13-0133 EA 16" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	68.04	12.50
23 37 13 13-0134 EA 16" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	70.73	12.50
23 37 13 13-0135 EA 16" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	92.08	18.44
23 37 13 13-0136 EA 16" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	93.42	18.44
23 37 13 13-0137 EA 18" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	90.73	18.44



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Air Distribution			23 30	
Air Outlets and Inlets			23 37	

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
23 37 13 13-0138	EA	18" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	110.48	21.41
23 37 13 13-0139	EA	20" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	89.39	18.44
23 37 13 13-0140	EA	20" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	117.20	21.41
23 37 13 13-0141	EA	22" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	61.99	12.50
23 37 13 13-0142	EA	22" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	90.73	18.44
23 37 13 13-0143	EA	22" x 22" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	131.58	24.38
23 37 13 13-0144	EA	24" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	89.39	18.44
23 37 13 13-0145	EA	24" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	92.08	18.44
23 37 13 13-0146	EA	24" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	106.45	21.41
		For Lay-In Installation, Deduct	-45.24	
23 37 13 13-0147	EA	24" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	110.48	21.41
23 37 13 13-0148	EA	24" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	123.51	24.38
23 37 13 13-0149	EA	24" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	127.55	24.38
23 37 13 13-0150	EA	24" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	132.25	24.38
23 37 13 13-0151	EA	24" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	140.99	24.38
		For Lay-In Installation, Deduct	-51.78	
23 37 13 13-0152	EA	30" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	108.46	21.41
23 37 13 13-0153	EA	48" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	171.71	26.72
23 37 13 13-0154	EA	48" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	287.18	32.65
		For Lay-In Installation, Deduct	-74.53	
23 37 13 13-0155		Supply Registers and Grilles (23 37 13 13)		
23 37 13 13-0156		Adjustable Curved Blade Register (23 37 13 13-0155)		
		Note: Ceiling mount aluminum construction four way pattern flush frame.		
23 37 13 13-0157	EA	6" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	70.96	7.80
		For Steel Construction, Deduct	-6.12	
		For Lay In Frame, Deduct	-10.19	
		For Three Way Pattern, Deduct	-4.08	
		For Two Way Pattern, Deduct	-3.26	
		For One Way Pattern, Deduct	-3.26	
		For Grille (No Damper), Deduct	-6.12	
		For Stainless Steel, Add	101.93	
23 37 13 13-0158	EA	8" x 8" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	73.36	7.80
		For Steel Construction, Deduct	-6.48	
		For Lay In Frame, Deduct	-10.79	
		For Three Way Pattern, Deduct	-4.32	
		For Two Way Pattern, Deduct	-3.45	
		For One Way Pattern, Deduct	-3.45	
		For Grille (No Damper), Deduct	-6.48	
		For Stainless Steel, Add	107.93	
23 37 13 13-0159	EA	12" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	81.65	10.72
		For Steel Construction, Deduct	-6.12	
		For Lay In Frame, Deduct	-10.19	
		For Three Way Pattern, Deduct	-4.08	
		For Two Way Pattern, Deduct	-3.26	
		For One Way Pattern, Deduct	-3.26	
		For Grille (No Damper), Deduct	-6.12	
		For Stainless Steel, Add	101.93	
23 37 13 13-0160	EA	10" x 10" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern.....	90.45	9.74
		For Steel Construction, Deduct	-7.44	
		For Lay In Frame, Deduct	-12.39	
		For Three Way Pattern, Deduct	-4.96	
		For Two Way Pattern, Deduct	-3.97	
		For One Way Pattern, Deduct	-3.97	
		For Grille (No Damper), Deduct	-7.44	
		For Stainless Steel, Add	123.93	
23 37 13 13-0161	EA	12" x 12" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern.....	108.83	12.67
		For Steel Construction, Deduct	-8.87	
		For Lay In Frame, Deduct	-14.79	
		For Three Way Pattern, Deduct	-5.92	
		For Two Way Pattern, Deduct	-4.73	
		For One Way Pattern, Deduct	-4.73	
		For Grille (No Damper), Deduct	-8.87	
		For Stainless Steel, Add	147.90	
23 37 13 13-0162	EA	14" x 14" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern.....	134.01	14.61
		For Steel Construction, Deduct	-11.03	
		For Lay In Frame, Deduct	-18.39	
		For Three Way Pattern, Deduct	-7.36	
		For Two Way Pattern, Deduct	-5.88	
		For One Way Pattern, Deduct	-5.88	
		For Grille (No Damper), Deduct	-11.03	
		For Stainless Steel, Add	183.88	
23 37 13 13-0163	EA	16" x 16" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern.....	134.01	14.61
		For Steel Construction, Deduct	-11.03	
		For Lay In Frame, Deduct	-18.39	
		For Three Way Pattern, Deduct	-7.36	
		For Two Way Pattern, Deduct	-5.88	
		For One Way Pattern, Deduct	-5.88	
		For Grille (No Damper), Deduct	-11.03	
		For Stainless Steel, Add	183.88	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0164	EA		18" x 18" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern.....	165.46	19.49
			<i>For Steel Construction, Deduct</i>	-13.43	
			<i>For Lay In Frame, Deduct</i>	-22.39	
			<i>For Three Way Pattern, Deduct</i>	-8.95	
			<i>For Two Way Pattern, Deduct</i>	-7.16	
			<i>For One Way Pattern, Deduct</i>	-7.16	
			<i>For Grille (No Damper), Deduct</i>	-13.43	
			<i>For Stainless Steel, Add</i>	223.85	
23 37 13 13-0165	EA		24" x 24" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern.....	214.82	20.45
			<i>For Steel Construction, Deduct</i>	-20.27	
			<i>For Lay In Frame, Deduct</i>	-33.78	
			<i>For Three Way Pattern, Deduct</i>	-13.51	
			<i>For Two Way Pattern, Deduct</i>	-10.81	
			<i>For One Way Pattern, Deduct</i>	-10.81	
			<i>For Grille (No Damper), Deduct</i>	-20.27	
			<i>For Stainless Steel, Add</i>	337.78	
23 37 13 13-0166	EA		30" x 30" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern.....	342.04	41.31
			<i>For Steel Construction, Deduct</i>	-38.91	
			<i>For Lay In Frame, Deduct</i>	-64.86	
			<i>For Three Way Pattern, Deduct</i>	-25.94	
			<i>For Two Way Pattern, Deduct</i>	-20.75	
			<i>For One Way Pattern, Deduct</i>	-20.75	
			<i>For Grille (No Damper), Deduct</i>	-38.91	
			<i>For Stainless Steel, Add</i>	648.55	
23 37 13 13-0167			Removable-Reversible Core Registers (23 37 13 13-0155)		
			Note: Double deflection radiused frame aluminum construction.		
23 37 13 13-0168	EA		6" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	81.35	7.80
			<i>For Steel Construction, Deduct</i>	-5.12	
			<i>For Flat Frame, Deduct</i>	-5.12	
			<i>For Grille (No Damper), Deduct</i>	-15.35	
			<i>For Stainless Steel, Add</i>	127.90	
23 37 13 13-0169	EA		8" x 8" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	102.14	7.80
			<i>For Steel Construction, Deduct</i>	-7.20	
			<i>For Flat Frame, Deduct</i>	-7.20	
			<i>For Grille (No Damper), Deduct</i>	-21.59	
			<i>For Stainless Steel, Add</i>	179.88	
23 37 13 13-0170	EA		12" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	130.42	10.72
			<i>For Steel Construction, Deduct</i>	-8.95	
			<i>For Flat Frame, Deduct</i>	-8.95	
			<i>For Grille (No Damper), Deduct</i>	-26.86	
			<i>For Stainless Steel, Add</i>	223.85	
23 37 13 13-0171	EA		10" x 10" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	132.02	10.72
			<i>For Steel Construction, Deduct</i>	-9.11	
			<i>For Flat Frame, Deduct</i>	-9.11	
			<i>For Grille (No Damper), Deduct</i>	-27.34	
			<i>For Stainless Steel, Add</i>	227.85	
23 37 13 13-0172	EA		12" x 12" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	167.99	12.67
			<i>For Steel Construction, Deduct</i>	-11.83	
			<i>For Flat Frame, Deduct</i>	-11.83	
			<i>For Grille (No Damper), Deduct</i>	-35.50	
			<i>For Stainless Steel, Add</i>	295.80	
23 37 13 13-0173	EA		14" x 14" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	237.94	15.59
			<i>For Steel Construction, Deduct</i>	-17.75	
			<i>For Flat Frame, Deduct</i>	-17.75	
			<i>For Grille (No Damper), Deduct</i>	-53.24	
			<i>For Stainless Steel, Add</i>	443.70	
23 37 13 13-0174	EA		16" x 16" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	266.72	14.61
			<i>For Steel Construction, Deduct</i>	-20.63	
			<i>For Flat Frame, Deduct</i>	-20.63	
			<i>For Grille (No Damper), Deduct</i>	-61.88	
			<i>For Stainless Steel, Add</i>	515.65	
23 37 13 13-0175	EA		18" x 18" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	322.15	19.49
			<i>For Steel Construction, Deduct</i>	-24.62	
			<i>For Flat Frame, Deduct</i>	-24.62	
			<i>For Grille (No Damper), Deduct</i>	-73.87	
			<i>For Stainless Steel, Add</i>	615.58	
23 37 13 13-0176	EA		24" x 24" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	404.28	19.49
			<i>For Steel Construction, Deduct</i>	-32.46	
			<i>For Flat Frame, Deduct</i>	-32.46	
			<i>For Grille (No Damper), Deduct</i>	-97.37	
			<i>For Stainless Steel, Add</i>	811.43	
23 37 13 13-0177			Supply Grille, Aluminum Drum With Aluminum Border (23 37 13 13-0155)		
			Note: Titus DL.		
23 37 13 13-0178	EA		9" x 6" Supply Grille, Aluminum Drum.....	63.47	15.10
			<i>For Stainless Steel, Add</i>	83.23	
23 37 13 13-0179	EA		12" x 6" Supply Grille, Aluminum Drum	88.61	20.45
			<i>For Stainless Steel, Add</i>	119.35	
23 37 13 13-0180	EA		18" x 6" Supply Grille, Aluminum Drum	96.72	20.45
			<i>For Stainless Steel, Add</i>	139.63	
23 37 13 13-0181	EA		24" x 6" Supply Grille, Aluminum Drum	108.38	24.84
			<i>For Stainless Steel, Add</i>	146.78	



Heating, Ventilating, and Air-Conditioning (HVAC)		23	23
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Air Outlets and Inlets		23 37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0182	EA		30" x 6" Supply Grille, Aluminum Drum.....	137.64	30.30
			For Stainless Steel, Add	192.95	
23 37 13 13-0183	EA		36" x 6" Supply Grille, Aluminum Drum.....	164.19	30.30
			For Stainless Steel, Add	259.33	
23 37 13 13-0184	EA		48" x 6" Supply Grille, Aluminum Drum.....	197.04	37.99
			For Stainless Steel, Add	302.85	
23 37 13 13-0185	EA		20" x 10" Supply Grille, Aluminum Drum.....	112.29	24.84
			For Stainless Steel, Add	156.55	
23 37 13 13-0186	EA		25" x 10" Supply Grille, Aluminum Drum.....	123.00	30.20
			For Stainless Steel, Add	156.55	
23 37 13 13-0187	EA		30" x 10" Supply Grille, Aluminum Drum.....	171.40	37.99
			For Stainless Steel, Add	238.58	
23 37 13 13-0188	EA		35" x 10" Supply Grille, Aluminum Drum.....	196.66	40.92
			For Stainless Steel, Add	287.10	
23 37 13 13-0189	EA		40" x 10" Supply Grille, Aluminum Drum.....	219.64	42.86
			For Stainless Steel, Add	334.83	
23 37 13 13-0190	EA		20" x 12" Supply Grille, Aluminum Drum.....	127.32	26.79
			For Stainless Steel, Add	184.38	
23 37 13 13-0191	EA		30" x 12" Supply Grille, Aluminum Drum.....	186.79	38.97
			For Stainless Steel, Add	272.20	
23 37 13 13-0192	EA		40" x 12" Supply Grille, Aluminum Drum.....	238.80	43.84
			For Stainless Steel, Add	377.85	
23 37 13 13-0193	EA		15" x 15" Supply Grille, Aluminum Drum.....	135.01	30.20
			For Stainless Steel, Add	186.58	
23 37 13 13-0194	EA		20" x 15" Supply Grille, Aluminum Drum.....	151.12	32.15
			For Stainless Steel, Add	217.10	
23 37 13 13-0195	EA		25" x 15" Supply Grille, Aluminum Drum.....	177.44	37.51
			For Stainless Steel, Add	256.10	
23 37 13 13-0196	EA		30" x 15" Supply Grille, Aluminum Drum.....	199.95	39.94
			For Stainless Steel, Add	300.20	
23 37 13 13-0197	EA		40" x 15" Supply Grille, Aluminum Drum.....	241.30	44.81
			For Stainless Steel, Add	379.25	
23 37 13 13-0198			Adjustable Shutter Blade Registers (23 37 13 13-0155)		
			Note: Double deflection flat frame aluminum construction.		
23 37 13 13-0199	EA		6" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	123.46	7.80
			For Steel Construction, Deduct	-9.33	
			For Single Deflection, Deduct	-18.65	
			For Grille (No Damper), Deduct	-13.99	
			For Stainless Steel, Add	233.18	
23 37 13 13-0200	EA		8" x 8" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	142.11	7.80
			For Steel Construction, Deduct	-11.19	
			For Single Deflection, Deduct	-22.38	
			For Grille (No Damper), Deduct	-16.79	
			For Stainless Steel, Add	279.80	
23 37 13 13-0201	EA		12" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	152.80	10.72
			For Steel Construction, Deduct	-11.19	
			For Single Deflection, Deduct	-22.38	
			For Grille (No Damper), Deduct	-16.79	
			For Stainless Steel, Add	279.80	
23 37 13 13-0202	EA		10" x 10" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	158.13	9.74
			For Steel Construction, Deduct	-11.73	
			For Single Deflection, Deduct	-23.45	
			For Grille (No Damper), Deduct	-17.59	
			For Stainless Steel, Add	293.13	
23 37 13 13-0203	EA		12" x 12" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	193.57	12.67
			For Steel Construction, Deduct	-14.39	
			For Single Deflection, Deduct	-28.78	
			For Grille (No Damper), Deduct	-21.59	
			For Stainless Steel, Add	359.75	
23 37 13 13-0204	EA		14" x 14" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	257.66	14.61
			For Steel Construction, Deduct	-19.72	
			For Single Deflection, Deduct	-39.44	
			For Grille (No Damper), Deduct	-29.58	
			For Stainless Steel, Add	493.00	
23 37 13 13-0205	EA		16" x 16" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	302.96	15.59
			For Steel Construction, Deduct	-24.25	
			For Single Deflection, Deduct	-48.50	
			For Grille (No Damper), Deduct	-36.38	
			For Stainless Steel, Add	606.25	
23 37 13 13-0206	EA		18" x 18" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	374.38	19.49
			For Steel Construction, Deduct	-29.85	
			For Single Deflection, Deduct	-59.69	
			For Grille (No Damper), Deduct	-44.77	
			For Stainless Steel, Add	746.15	
23 37 13 13-0207	EA		24" x 24" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	514.08	20.45
			For Steel Construction, Deduct	-43.44	
			For Single Deflection, Deduct	-86.87	
			For Grille (No Damper), Deduct	-65.16	
			For Stainless Steel, Add	1,085.93	
23 37 13 13-0208			Air Conditioning And Ventilation (23 37 13 13-0155)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0209 EA 10" x 16" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction..... <i>For Stainless Steel, Add</i>	71.28 76.00	20.45
23 37 13 13-0210 EA 18" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction..... <i>For Stainless Steel, Add</i>	121.68 151.98	30.45
23 37 13 13-0211 EA 30" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction..... <i>For Stainless Steel, Add</i>	186.56 253.30	42.62
23 37 13 13-0212 EA 48" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction..... <i>For Stainless Steel, Add</i>	451.27 835.93	58.46
23 37 13 13-0213 Square Wall Return Air And Exhaust Grilles (23 37 13 13-0155) Note: Egg crate design aluminum construction.		
23 37 13 13-0214 EA 8" x 8" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction.....	67.10	24.42
23 37 13 13-0215 EA 12" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction.....	72.72	24.42
23 37 13 13-0216 EA 18" x 18" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction.....	108.37	36.62
23 37 13 13-0217 EA 24" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction.....	136.48	36.62
23 37 13 13-0218 EA 28" x 28" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction.....	224.12	48.83
23 37 13 13-0219 EA 36" x 36" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction.....	393.79	48.71
23 37 13 13-0220 Rectangular Four-Way Adjustable Deflection Wall Supply Grilles (23 37 13 13-0155) Note: Aluminum construction.		
23 37 13 13-0221 EA 12" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	180.69	17.57
23 37 13 13-0222 EA 14" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	204.68	17.57
23 37 13 13-0223 EA 18" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	246.00	19.53
23 37 13 13-0224 EA 24" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	288.61	19.53
23 37 13 13-0225 EA 36" x 20" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	374.26	61.04
23 37 13 13-0226 EA 6" x 6" 2, 3, 4-Way Adjustable Wall Supply Grille, Adjustable, Titus Mode 250	79.26	29.30
23 37 13 13-0227 EA 8" x 8" 2, 3, 4-Way Adjustable Wall Supply Grille, Adjustable, Titus Mode 250	84.13	31.74
23 37 13 13-0228 EA 10" x 10" 2, 3, 4-Way Adjustable Wall Supply Grille, Adjustable, Titus Mode 250	96.40	34.18
23 37 13 13-0229 EA 12" x 12" 2, 3, 4-Way Adjustable Wall Supply Grille, Adjustable, Titus Mode 250	103.50	36.62
23 37 13 13-0230 EA 14" x 14" 2, 3, 4-Way Adjustable Wall Supply Grille, Adjustable, Titus Mode 250	114.29	39.06
23 37 13 13-0231 Square Ceiling Return Air And Exhaust Grilles (23 37 13 13-0155) Note: Egg crate design, plastic construction.		
23 37 13 13-0232 EA 24" x 24" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	36.38	11.69
23 37 13 13-0233 EA 24" x 48" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	51.59	11.79
23 37 13 13-0234 Door Grilles Sight Proof Inverted Vee Cross Section (23 37 13 13-0155) Note: Painted steel louvers and frame.		
23 37 13 13-0235 EA 12" x 6" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel.....	102.03	17.57
23 37 13 13-0236 EA 12" x 12" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel.....	130.06	17.57
23 37 13 13-0237 EA 18" x 18" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel.....	159.37	18.55
23 37 13 13-0238 EA 24" x 24" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel.....	215.33	22.17
23 37 13 13-0239 EA 24" x 30" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel.....	239.90	40.72
23 37 13 13-0240 Stainless Steel Devices (23 37 13 13-0155)		
23 37 13 13-0241 304 Stainless Steel, Louvered Partition/Door Grilles (23 37 13 13-0240)		
23 37 13 13-0242 SF Up To 4 SF, 304 Stainless Steel, Louvered Partition/Door Grille	167.73	15.23
<i>For 316 Stainless Steel, Add</i>	28.47	
23 37 13 13-0243 SF >4 SF, 304 Stainless Steel, Louvered Partition/Door Grille.....	141.76	15.23
<i>For 316 Stainless Steel, Add</i>	23.27	
23 37 13 13-0244 304 Stainless Steel, Single Deflection Supply Grilles (23 37 13 13-0240)		
23 37 13 13-0245 SF Up To 4 SF, 304 Stainless Steel, Single Deflection Supply Grille	127.36	15.23
<i>For 316 Stainless Steel, Add</i>	20.39	
23 37 13 13-0246 SF >4 SF, 304 Stainless Steel, Single Deflection Supply Grille.....	108.47	15.23
<i>For 316 Stainless Steel, Add</i>	16.62	
23 37 13 13-0247 304 Stainless Steel, Double Deflection Supply Grilles (23 37 13 13-0240)		
23 37 13 13-0248 SF Up To 4 SF, 304 Stainless Steel, Double Deflection Supply Grille	185.79	15.23
<i>For 316 Stainless Steel, Add</i>	32.08	
23 37 13 13-0249 SF >4 SF, 304 Stainless Steel, Double Deflection Supply Grille	158.52	15.23
<i>For 316 Stainless Steel, Add</i>	26.63	
23 37 13 13-0250 304 Stainless Steel Return Grilles (23 37 13 13-0240)		
23 37 13 13-0251 SF Up To 4 SF, 304 Stainless Steel Return Grille	127.36	15.23
<i>For 316 Stainless Steel, Add</i>	20.39	
23 37 13 13-0252 SF >4 SF, 304 Stainless Steel Return Grille.....	108.47	15.23
<i>For 316 Stainless Steel, Add</i>	16.62	
23 37 13 13-0253 304 Stainless Steel, Louvered Supply/Return Grilles (23 37 13 13-0240)		



Heating, Ventilating, and Air-Conditioning (HVAC)			23
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0254	SF	Up To 4 SF, 304 Stainless Steel, Louvered Supply/Return Grille	127.36	15.23
		For 316 Stainless Steel, Add		20.39	
23 37 13 13-0255	SF	>4 SF, 304 Stainless Steel, Louvered Supply/Return Grille	.....	108.47	15.23
		For 316 Stainless Steel, Add		16.62	
23 37 13 13-0256		304 Stainless Steel, Perforated Return Grilles (23 37 13 13-0240)			
23 37 13 13-0257	SF	Up To 4 SF, 304 Stainless Steel, Perforated Return Grille	.....	127.36	15.23
		For 316 Stainless Steel, Add		20.39	
23 37 13 13-0258	SF	>4 SF, 304 Stainless Steel, Perforated Return Grille	.....	103.29	15.23
		For 316 Stainless Steel, Add		15.58	
23 37 13 13-0259		304 Stainless Steel, Perforated Supply Grilles (23 37 13 13-0240)			
23 37 13 13-0260	SF	Up To 4 SF, 304 Stainless Steel, Perforated Supply Grille	.....	153.92	15.23
		For 316 Stainless Steel, Add		25.71	
23 37 13 13-0261	SF	>4 SF, 304 Stainless Steel, Perforated Supply Grille	.....	106.05	15.23
		For 316 Stainless Steel, Add		16.13	
23 37 13 13-0262		304 Stainless Steel, Door Grilles (23 37 13 13-0240)			
23 37 13 13-0263	SF	Up To 4 SF, 304 Stainless Steel, Door Grille	.....	229.34	15.23
		For 316 Stainless Steel, Add		40.79	
23 37 13 13-0264	SF	>4 SF, 304 Stainless Steel, Door Grille	.....	191.58	15.23
		For 316 Stainless Steel, Add		33.24	
23 37 13 13-0265		304 Stainless Steel, Linear Bar Grilles (23 37 13 13-0240)			
23 37 13 13-0266	SF	Up To 4 SF, 304 Stainless Steel, Linear Bar Grille	.....	292.72	15.23
		For 316 Stainless Steel, Add		53.47	
23 37 13 13-0267	SF	>4 SF, 304 Stainless Steel, Linear Bar Grille	.....	250.81	15.23
		For 316 Stainless Steel, Add		45.08	
23 37 13 13-0268		304 Stainless Steel, Hinged Filter Grilles (23 37 13 13-0240)			
23 37 13 13-0269	SF	Up To 4 SF, 304 Stainless Steel, Hinged Filter Grille	.....	215.53	15.23
		For 316 Stainless Steel, Add		38.03	
23 37 13 13-0270	SF	>4 SF, 304 Stainless Steel, Hinged Filter Grille	.....	149.44	15.23
		For 316 Stainless Steel, Add		24.81	
23 37 13 13-0271		304 Stainless Steel, Opposed Blade Dampers Grilles (23 37 13 13-0240)			
23 37 13 13-0272	SF	Up To 4 SF, 304 Stainless Steel, Opposed Blade Dampers Grille	.....	116.74	15.23
		For 316 Stainless Steel, Add		18.27	
23 37 13 13-0273	SF	Opposed Blade Dampers Grille, Stainless Steel 304, > 4 SF	.....	89.25	15.23
		For 316 Stainless Steel, Add		12.77	
23 37 13 13-0274		304 Stainless Steel, Plaster Frames Replacement (23 37 13 13-0240)			
		Note: For frequent replacement.			
23 37 13 13-0275	SF	To 4 SF, 304 Stainless Steel, Plaster Frames Replacement	.....	91.25	15.23
		For 316 Stainless Steel, Add		13.17	
23 37 13 13-0276	SF	>4 SF, 304 Stainless Steel, Plaster Frames Replacement	.....	49.11	15.23
		For 316 Stainless Steel, Add		4.74	
23 37 13 13-0277		304 Stainless Steel, Modular Louvered Ceiling Diffusers (23 37 13 13-0240)			
23 37 13 13-0278	SF	Up To 4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser	.....	212.34	15.23
		For 316 Stainless Steel, Add		37.39	
23 37 13 13-0279	SF	>4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser	.....	166.44	15.23
		For 316 Stainless Steel, Add		28.21	
23 37 13 13-0280		304 Stainless Steel, Latticed Supply/Return Grilles (23 37 13 13-0240)			
23 37 13 13-0281	SF	Up To 4 SF, 304 Stainless Steel, Latticed Supply/Return Grille	.....	75.31	15.23
		For 316 Stainless Steel, Add		9.98	
23 37 13 13-0282	SF	>4 SF, 304 Stainless Steel, Latticed Supply/Return Grille	.....	75.31	15.23
		For 316 Stainless Steel, Add		9.98	
23 37 13 13-0283		Removal And Reinstallation Of Distribution Devices (23 37 13 13)			
		Note: Includes storage and cleaning. Excludes ductwork.			
23 37 13 13-0284	EA	Removal And Reinstallation Of Variable Air Volume Terminal Unit	.....	182.66	
23 37 13 13-0285	EA	Removal And Reinstallation Of Fan Powered Variable Volume Terminal Unit	.....	201.47	
23 37 13 13-0286	EA	Removal And Reinstallation Of Lay-in Diffuser/Register/Grille	.....	30.20	
23 37 13 13-0287	EA	Removal And Reinstallation Of Surface Mounted Diffuser/Register/Grille	.....	40.90	
23 37 13 43		Security Registers and Grilles (23 37 13)			

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
23 37 13 43-0001	Security Supply Or Return Grille ^(23 37 13 43) Note: Designed for maximum security applications, 3/16" steel face plate with 2" x 2" square holes, 1/4" steel backer plate, 3/16" welded steel sleeve, 10 gauge x 2 wire mesh between face and backer plates, 1" x 1" x 3/16" angle iron frame, standard finish.				
23 37 13 43-0002	EA 8" x 4" Steel Security Grille	175.52		14.65	
	For Anchoring Tabs, Add	14.62			
	For Angle Iron Frame, Add	24.86			
	For Rear Operated Opposed Blade Damper, Add	54.11			
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35			
	For 1" x 1" Square Holes On Face, Add	36.56			
	For Stainless Steel, Add	190.09			
23 37 13 43-0003	EA 8" x 6" Steel Security Grille	194.23		15.13	
	For Anchoring Tabs, Add	16.40			
	For Angle Iron Frame, Add	27.62			
	For Rear Operated Opposed Blade Damper, Add	60.41			
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35			
	For 1" x 1" Square Holes On Face, Add	40.99			
	For Stainless Steel, Add	213.14			
23 37 13 43-0004	EA 8" x 8" Steel Security Grille	222.50		17.09	
	For Anchoring Tabs, Add	18.83			
	For Angle Iron Frame, Add	31.67			
	For Rear Operated Opposed Blade Damper, Add	69.33			
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35			
	For 1" x 1" Square Holes On Face, Add	47.08			
	For Stainless Steel, Add	244.82			
23 37 13 43-0005	EA 10" x 4" Steel Security Grille	194.93		16.60	
	For Anchoring Tabs, Add	16.17			
	For Angle Iron Frame, Add	27.58			
	For Rear Operated Opposed Blade Damper, Add	59.93			
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35			
	For 1" x 1" Square Holes On Face, Add	40.43			
	For Stainless Steel, Add	210.25			
23 37 13 43-0006	EA 10" x 6" Steel Security Grille	207.97		17.57	
	For Anchoring Tabs, Add	17.28			
	For Angle Iron Frame, Add	29.44			
	For Rear Operated Opposed Blade Damper, Add	64.00			
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35			
	For 1" x 1" Square Holes On Face, Add	43.20			
	For Stainless Steel, Add	224.65			
23 37 13 43-0007	EA 10" x 8" Steel Security Grille	237.48		19.04	
	For Anchoring Tabs, Add	19.94			
	For Angle Iron Frame, Add	33.72			
	For Rear Operated Opposed Blade Damper, Add	73.60			
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35			
	For 1" x 1" Square Holes On Face, Add	49.85			
	For Stainless Steel, Add	259.22			
23 37 13 43-0008	EA 10" x 10" Steel Security Grille	264.78		20.51	
	For Anchoring Tabs, Add	22.38			
	For Angle Iron Frame, Add	37.67			
	For Rear Operated Opposed Blade Damper, Add	82.42			
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35			
	For 1" x 1" Square Holes On Face, Add	55.94			
	For Stainless Steel, Add	290.90			
23 37 13 43-0009	EA 12" x 4" Steel Security Grille	205.49		18.55	
	For Anchoring Tabs, Add	16.84			
	For Angle Iron Frame, Add	28.97			
	For Rear Operated Opposed Blade Damper, Add	62.64			
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35			
	For 1" x 1" Square Holes On Face, Add	42.10			
	For Stainless Steel, Add	218.89			
23 37 13 43-0010	EA 12" x 6" Steel Security Grille	229.33		20.51	
	For Anchoring Tabs, Add	18.83			
	For Angle Iron Frame, Add	32.35			
	For Rear Operated Opposed Blade Damper, Add	70.01			
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35			
	For 1" x 1" Square Holes On Face, Add	47.08			
	For Stainless Steel, Add	244.82			
23 37 13 43-0011	EA 12" x 8" Steel Security Grille	261.07		21.97	
	For Anchoring Tabs, Add	21.71			
	For Angle Iron Frame, Add	36.96			
	For Rear Operated Opposed Blade Damper, Add	80.39			
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35			
	For 1" x 1" Square Holes On Face, Add	54.28			
	For Stainless Steel, Add	282.26			
23 37 13 43-0012	EA 12" x 10" Steel Security Grille	283.93		23.44	
	For Anchoring Tabs, Add	23.71			
	For Angle Iron Frame, Add	40.25			
	For Rear Operated Opposed Blade Damper, Add	87.66			
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35			
	For 1" x 1" Square Holes On Face, Add	59.27			
	For Stainless Steel, Add	308.18			



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Air Distribution			23 30	
Air Outlets and Inlets			23 37	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
23 37 13 43-0013	EA	12" x 12" Steel Security Grille	313.44	24.90
		For Anchoring Tabs, Add	26.36	
		For Angle Iron Frame, Add	44.53	
		For Rear Operated Opposed Blade Damper, Add	97.25	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	65.91	
		For Stainless Steel, Add	342.73	
23 37 13 43-0014	EA	14" x 4" Steel Security Grille	219.49	20.02
		For Anchoring Tabs, Add	17.95	
		For Angle Iron Frame, Add	30.92	
		For Rear Operated Opposed Blade Damper, Add	66.81	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	44.87	
		For Stainless Steel, Add	233.30	
23 37 13 43-0015	EA	14" x 6" Steel Security Grille	246.80	21.48
		For Anchoring Tabs, Add	20.38	
		For Angle Iron Frame, Add	34.87	
		For Rear Operated Opposed Blade Damper, Add	75.64	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	50.96	
		For Stainless Steel, Add	264.98	
23 37 13 43-0016	EA	14" x 8" Steel Security Grille	275.07	23.44
		For Anchoring Tabs, Add	22.82	
		For Angle Iron Frame, Add	38.92	
		For Rear Operated Opposed Blade Damper, Add	84.56	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	57.05	
		For Stainless Steel, Add	296.66	
23 37 13 43-0017	EA	14" x 10" Steel Security Grille	309.98	25.39
		For Anchoring Tabs, Add	25.92	
		For Angle Iron Frame, Add	43.96	
		For Rear Operated Opposed Blade Damper, Add	95.80	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	64.80	
		For Stainless Steel, Add	336.97	
23 37 13 43-0018	EA	14" x 12" Steel Security Grille	341.46	27.84
		For Anchoring Tabs, Add	28.58	
		For Angle Iron Frame, Add	48.44	
		For Rear Operated Opposed Blade Damper, Add	105.60	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	71.45	
		For Stainless Steel, Add	371.54	
23 37 13 43-0019	EA	14" x 14" Steel Security Grille	367.51	29.78
		For Anchoring Tabs, Add	30.80	
		For Angle Iron Frame, Add	52.15	
		For Rear Operated Opposed Blade Damper, Add	113.74	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	76.99	
		For Stainless Steel, Add	400.34	
23 37 13 43-0020	EA	16" x 6" Steel Security Grille	263.99	23.44
		For Anchoring Tabs, Add	21.71	
		For Angle Iron Frame, Add	37.26	
		For Rear Operated Opposed Blade Damper, Add	80.68	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	54.28	
		For Stainless Steel, Add	282.26	
23 37 13 43-0021	EA	16" x 8" Steel Security Grille	301.12	25.39
		For Anchoring Tabs, Add	25.04	
		For Angle Iron Frame, Add	42.63	
		For Rear Operated Opposed Blade Damper, Add	92.70	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	62.59	
		For Stainless Steel, Add	325.46	
23 37 13 43-0022	EA	16" x 10" Steel Security Grille	324.97	27.34
		For Anchoring Tabs, Add	27.03	
		For Angle Iron Frame, Add	46.01	
		For Rear Operated Opposed Blade Damper, Add	100.07	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	67.57	
		For Stainless Steel, Add	351.38	
23 37 13 43-0023	EA	16" x 12" Steel Security Grille	365.56	28.80
		For Anchoring Tabs, Add	30.80	
		For Angle Iron Frame, Add	51.95	
		For Rear Operated Opposed Blade Damper, Add	113.54	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	76.99	
		For Stainless Steel, Add	400.34	
23 37 13 43-0024	EA	16" x 14" Steel Security Grille	387.20	30.76
		For Anchoring Tabs, Add	32.57	
		For Angle Iron Frame, Add	55.00	
		For Rear Operated Opposed Blade Damper, Add	120.14	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	81.42	
		For Stainless Steel, Add	423.38	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0025	EA	16" x 16" Steel Security Grille	419.90	32.72
		For Anchoring Tabs, Add	35.45	
		For Angle Iron Frame, Add	59.71	
		For Rear Operated Opposed Blade Damper, Add	130.61	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	88.62	
		For Stainless Steel, Add	460.82	
23 37 13 43-0026	EA	18" x 6" Steel Security Grille	280.93	26.36
		For Anchoring Tabs, Add	22.82	
		For Angle Iron Frame, Add	39.50	
		For Rear Operated Opposed Blade Damper, Add	85.14	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	57.05	
		For Stainless Steel, Add	296.66	
23 37 13 43-0027	EA	18" x 8" Steel Security Grille	320.28	28.32
		For Anchoring Tabs, Add	26.36	
		For Angle Iron Frame, Add	45.21	
		For Rear Operated Opposed Blade Damper, Add	97.94	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	65.91	
		For Stainless Steel, Add	342.73	
23 37 13 43-0028	EA	18" x 10" Steel Security Grille	350.77	30.28
		For Anchoring Tabs, Add	29.02	
		For Angle Iron Frame, Add	49.59	
		For Rear Operated Opposed Blade Damper, Add	107.63	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	72.56	
		For Stainless Steel, Add	377.30	
23 37 13 43-0029	EA	18" x 12" Steel Security Grille	385.70	32.22
		For Anchoring Tabs, Add	32.13	
		For Angle Iron Frame, Add	54.63	
		For Rear Operated Opposed Blade Damper, Add	118.88	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	80.31	
		For Stainless Steel, Add	417.63	
23 37 13 43-0030	EA	18" x 14" Steel Security Grille	411.30	31.74
		For Anchoring Tabs, Add	34.78	
		For Angle Iron Frame, Add	58.52	
		For Rear Operated Opposed Blade Damper, Add	128.09	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	86.96	
		For Stainless Steel, Add	452.18	
23 37 13 43-0031	EA	18" x 16" Steel Security Grille	449.68	33.20
		For Anchoring Tabs, Add	38.33	
		For Angle Iron Frame, Add	64.13	
		For Rear Operated Opposed Blade Damper, Add	140.79	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	95.82	
		For Stainless Steel, Add	498.26	
23 37 13 43-0032	EA	18" x 18" Steel Security Grille	481.41	34.67
		For Anchoring Tabs, Add	41.21	
		For Angle Iron Frame, Add	68.75	
		For Rear Operated Opposed Blade Damper, Add	151.16	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	103.02	
		For Stainless Steel, Add	535.70	
23 37 13 43-0033	EA	20" x 6" Steel Security Grille	301.33	28.80
		For Anchoring Tabs, Add	24.37	
		For Angle Iron Frame, Add	42.32	
		For Rear Operated Opposed Blade Damper, Add	91.06	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	60.93	
		For Stainless Steel, Add	316.82	
23 37 13 43-0034	EA	20" x 8" Steel Security Grille	340.41	31.74
		For Anchoring Tabs, Add	27.69	
		For Angle Iron Frame, Add	47.89	
		For Rear Operated Opposed Blade Damper, Add	103.28	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	69.24	
		For Stainless Steel, Add	360.02	
23 37 13 43-0035	EA	20" x 10" Steel Security Grille	374.35	33.20
		For Anchoring Tabs, Add	30.80	
		For Angle Iron Frame, Add	52.83	
		For Rear Operated Opposed Blade Damper, Add	114.42	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	76.99	
		For Stainless Steel, Add	400.34	
23 37 13 43-0036	EA	20" x 12" Steel Security Grille	411.50	35.16
		For Anchoring Tabs, Add	34.12	
		For Angle Iron Frame, Add	58.21	
		For Rear Operated Opposed Blade Damper, Add	126.45	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	85.30	
		For Stainless Steel, Add	443.55	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Air Distribution			23 30	
Air Outlets and Inlets			23 37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0037	EA		20" x 14" Steel Security Grille	452.08	36.62
			For Anchoring Tabs, Add	37.89	
			For Angle Iron Frame, Add	64.15	
			For Rear Operated Opposed Blade Damper, Add	139.92	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	94.71	
			For Stainless Steel, Add	492.51	
23 37 13 43-0038	EA		20" x 16" Steel Security Grille	488.24	38.09
			For Anchoring Tabs, Add	41.21	
			For Angle Iron Frame, Add	69.43	
			For Rear Operated Opposed Blade Damper, Add	151.84	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	103.02	
			For Stainless Steel, Add	535.70	
23 37 13 43-0039	EA		20" x 18" Steel Security Grille	522.19	39.55
			For Anchoring Tabs, Add	44.31	
			For Angle Iron Frame, Add	74.37	
			For Rear Operated Opposed Blade Damper, Add	162.99	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	110.78	
			For Stainless Steel, Add	576.03	
23 37 13 43-0040	EA		20" x 20" Steel Security Grille	562.79	41.01
			For Anchoring Tabs, Add	48.08	
			For Angle Iron Frame, Add	80.32	
			For Rear Operated Opposed Blade Damper, Add	176.47	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	120.19	
			For Stainless Steel, Add	624.99	
23 37 13 43-0041	EA		24" x 6" Steel Security Grille	334.73	32.22
			For Anchoring Tabs, Add	27.03	
			For Angle Iron Frame, Add	46.99	
			For Rear Operated Opposed Blade Damper, Add	101.05	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	67.57	
			For Stainless Steel, Add	351.38	
23 37 13 43-0042	EA		24" x 8" Steel Security Grille	378.25	35.16
			For Anchoring Tabs, Add	30.80	
			For Angle Iron Frame, Add	53.22	
			For Rear Operated Opposed Blade Damper, Add	114.81	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	76.99	
			For Stainless Steel, Add	400.34	
23 37 13 43-0043	EA		24" x 10" Steel Security Grille	413.45	36.13
			For Anchoring Tabs, Add	34.12	
			For Angle Iron Frame, Add	58.40	
			For Rear Operated Opposed Blade Damper, Add	126.64	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	85.30	
			For Stainless Steel, Add	443.55	
23 37 13 43-0044	EA		24" x 12" Steel Security Grille	463.34	40.03
			For Anchoring Tabs, Add	38.33	
			For Angle Iron Frame, Add	65.50	
			For Rear Operated Opposed Blade Damper, Add	142.15	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	95.82	
			For Stainless Steel, Add	498.26	
23 37 13 43-0045	EA		24" x 14" Steel Security Grille	499.50	41.51
			For Anchoring Tabs, Add	41.65	
			For Angle Iron Frame, Add	70.78	
			For Rear Operated Opposed Blade Damper, Add	154.08	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	104.13	
			For Stainless Steel, Add	541.46	
23 37 13 43-0046	EA		24" x 16" Steel Security Grille	544.53	42.97
			For Anchoring Tabs, Add	45.86	
			For Angle Iron Frame, Add	77.38	
			For Rear Operated Opposed Blade Damper, Add	169.11	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	114.65	
			For Stainless Steel, Add	596.19	
23 37 13 43-0047	EA		24" x 18" Steel Security Grille	596.20	44.43
			For Anchoring Tabs, Add	50.74	
			For Angle Iron Frame, Add	84.99	
			For Rear Operated Opposed Blade Damper, Add	186.46	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	126.84	
			For Stainless Steel, Add	659.56	
23 37 13 43-0048	EA		24" x 20" Steel Security Grille	632.35	45.89
			For Anchoring Tabs, Add	54.06	
			For Angle Iron Frame, Add	90.26	
			For Rear Operated Opposed Blade Damper, Add	198.38	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	135.15	
			For Stainless Steel, Add	702.75	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 37 13 43-0049	EA	24" x 24" Steel Security Grille	709.11	48.83
		<i>For Anchoring Tabs, Add</i>	61.15	
		<i>For Angle Iron Frame, Add</i>	101.49	
		<i>For Rear Operated Opposed Blade Damper, Add</i>	223.78	
		<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
		<i>For 1" x 1" Square Holes On Face, Add</i>	152.87	
		<i>For Stainless Steel, Add</i>	794.92	

23 37 23 HVAC Gravity Ventilators (23 37)**23 37 23 13 HVAC Gravity Dome Ventilators (23 37 23)****23 37 23 13-0001 Rectangular Gravity Intake/Relief Ventilator Hood (23 37 23 13)**

Note: Includes flange base and bird screen. Excludes curb.

23 37 23 13-0002	EA	8" x 8" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	575.86	56.50
23 37 23 13-0003	EA	8" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	613.51	64.69
23 37 23 13-0004	EA	8" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	766.63	80.47
23 37 23 13-0005	EA	8" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	816.57	85.64
23 37 23 13-0006	EA	8" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	953.05	99.67
23 37 23 13-0007	EA	10" x 10" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	677.19	64.30
23 37 23 13-0008	EA	12" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	745.93	72.49
23 37 23 13-0009	EA	12" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	860.19	77.93
23 37 23 13-0010	EA	12" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	944.90	94.46
23 37 23 13-0011	EA	12" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,080.69	101.32
23 37 23 13-0012	EA	12" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,216.32	107.55
23 37 23 13-0013	EA	14" x 14" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	805.41	73.35
23 37 23 13-0014	EA	14" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	917.82	83.59
23 37 23 13-0015	EA	14" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,030.23	93.82
23 37 23 13-0016	EA	14" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,161.29	105.80
23 37 23 13-0017	EA	14" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,311.21	119.44
23 37 23 13-0018	EA	16" x 16" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	973.96	88.75
23 37 23 13-0019	EA	16" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,011.46	92.16
23 37 23 13-0020	EA	16" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,123.87	102.39
23 37 23 13-0021	EA	16" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,273.68	116.03
23 37 23 13-0022	EA	16" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,423.49	129.67
23 37 23 13-0023	EA	16" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,629.55	148.47
23 37 23 13-0024	EA	18" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	967.45	87.48
23 37 23 13-0025	EA	18" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,125.71	101.81
23 37 23 13-0026	EA	18" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,284.09	116.13
23 37 23 13-0027	EA	18" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,459.97	132.00
23 37 23 13-0028	EA	18" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,618.25	146.32
23 37 23 13-0029	EA	20" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,021.10	97.04
23 37 23 13-0030	EA	20" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,154.96	109.79
23 37 23 13-0031	EA	20" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,288.91	122.46
23 37 23 13-0032	EA	20" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,489.81	141.55
23 37 23 13-0033	EA	20" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,640.42	155.88
23 37 23 13-0034	EA	24" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,295.74	130.45
23 37 23 13-0035	EA	24" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,437.92	144.77
23 37 23 13-0036	EA	24" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,643.38	165.43
23 37 23 13-0037	EA	24" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,801.37	181.30
23 37 23 13-0038	EA	24" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,975.20	198.84
23 37 23 13-0039	EA	30" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,549.96	148.47
23 37 23 13-0040	EA	30" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,707.83	163.57
23 37 23 13-0041	EA	30" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,880.13	180.03
23 37 23 13-0042	EA	30" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,052.33	196.60
23 37 23 13-0043	EA	30" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,497.18	239.17
23 37 23 13-0044	EA	30" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,669.48	255.63
23 37 23 13-0045	EA	36" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,801.31	184.23
23 37 23 13-0046	EA	36" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,976.01	202.06
23 37 23 13-0047	EA	36" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,365.83	241.90
23 37 23 13-0048	EA	36" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,634.64	269.37
23 37 23 13-0049	EA	36" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,796.02	285.93
23 37 23 13-0050	EA	36" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,011.07	307.86
23 37 23 13-0051	EA	36" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,387.47	346.33
23 37 23 13-0052	EA	42" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,134.69	206.24
23 37 23 13-0053	EA	42" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,650.34	256.03
23 37 23 13-0054	EA	42" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,022.16	291.97
23 37 23 13-0055	EA	42" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,130.03	302.40
23 37 23 13-0056	EA	42" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,489.82	337.08
23 37 23 13-0057	EA	42" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,837.59	370.69
23 37 23 13-0058	EA	48" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,845.54	297.72
23 37 23 13-0059	EA	48" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,078.13	322.08
23 37 23 13-0060	EA	48" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,310.61	346.44
23 37 23 13-0061	EA	48" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,676.00	384.62
23 37 23 13-0062	EA	48" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,873.67	389.68
23 37 23 13-0063	EA	54" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,292.43	335.61
23 37 23 13-0064	EA	54" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,693.15	376.44
23 37 23 13-0065	EA	54" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,007.27	408.49
23 37 23 13-0066	EA	54" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,267.12	434.99
23 37 23 13-0067	EA	60" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,103.30	417.84
23 37 23 13-0068	EA	60" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,316.10	445.42



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
Air Outlets and Inlets			23 37

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 37 23 13-0069	EA		60" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,629.13	479.61
23 37 23 13-0070	EA		66" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,353.87	481.85
23 37 23 13-0071	EA		66" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	5,091.37	563.49
23 37 23 13-0072	EA		72" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	5,183.81	519.55

23 38 Ventilation Hoods (23 30)

23 38 13 Commercial-Kitchen Hoods (23 38)

23 38 13 13 Listed Commercial-Kitchen Hoods (23 38 13)

23 38 13 13-0001 Universal Ventless Hood (23 38 13 13)

23 38 13 13-0002	EA		109" Wide x 50" Deep x 102" High, Ventless Exhaust Hood With Stand, (Wells WVU-96).....	33,908.63	429.51
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23 38 13 16 Standard Commercial-Kitchen Hoods (23 38 13)

23 38 13 16-0001 Commercial Kitchen Hood Ventilation System (23 38 13 16)

Note: Excludes fire suppression. See CSI section 23 34 16 00-0108 for exhaust and supply fans.

23 38 13 16-0002 Dry Filter Exhaust Hoods (23 38 13 16-0001)

Note: Includes stainless steel filters, exhaust damper and 48" long fluorescent light fixtures.

23 38 13 16-0003	EA		8' Long x 60" Deep Dry Filter Exhaust Hood.....	8,355.42	805.84
23 38 13 16-0004	EA		8'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	8,711.43	856.22
23 38 13 16-0005	EA		9' Long x 60" Deep Dry Filter Exhaust Hood.....	9,696.08	906.58
23 38 13 16-0006	EA		9'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	9,999.46	956.94
23 38 13 16-0007	EA		10' Long x 60" Deep Dry Filter Exhaust Hood.....	10,364.47	1,007.31
23 38 13 16-0008	EA		10'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	10,748.86	1,057.67
23 38 13 16-0009	EA		11' Long x 60" Deep Dry Filter Exhaust Hood.....	11,114.47	1,108.03
23 38 13 16-0010	EA		11'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	11,490.74	1,158.40
23 38 13 16-0011	EA		12' Long x 60" Deep Dry Filter Exhaust Hood.....	11,906.85	1,208.77
23 38 13 16-0012	EA		12'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	12,269.93	1,259.14
23 38 13 16-0013	EA		13' Long x 60" Deep Dry Filter Exhaust Hood.....	12,574.29	1,309.50
23 38 13 16-0014	EA		13'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	13,073.43	1,359.86
23 38 13 16-0015	EA		14' Long x 60" Deep Dry Filter Exhaust Hood.....	14,582.38	1,410.23
23 38 13 16-0016	EA		14'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	14,981.10	1,460.59
23 38 13 16-0017	EA		15' Long x 60" Deep Dry Filter Exhaust Hood.....	15,513.50	1,510.96
23 38 13 16-0018	EA		15'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	15,920.29	1,561.33
23 38 13 16-0019	EA		16' Long x 60" Deep Dry Filter Exhaust Hood.....	16,517.84	1,611.69

23 38 13 16-0020 Dry Extractor Exhaust Hoods (23 38 13 16-0001)

Note: Includes extractor inserts, exhaust damper, 48" long fluorescent light fixtures, and UDS filler panels.

23 38 13 16-0021	EA		8' Long x 60" Deep Dry Extractor Exhaust Hood.....	11,565.34	805.84
23 38 13 16-0022	EA		8'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	11,941.67	856.22
23 38 13 16-0023	EA		9' Long x 60" Deep Dry Extractor Exhaust Hood.....	12,987.27	906.58
23 38 13 16-0024	EA		9'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	13,371.91	956.94
23 38 13 16-0025	EA		10' Long x 60" Deep Dry Extractor Exhaust Hood.....	13,757.23	1,007.31
23 38 13 16-0026	EA		10'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	14,121.31	1,057.67
23 38 13 16-0027	EA		11' Long x 60" Deep Dry Extractor Exhaust Hood.....	14,507.24	1,108.03
23 38 13 16-0028	EA		11'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	14,873.34	1,158.40
23 38 13 16-0029	EA		12' Long x 60" Deep Dry Extractor Exhaust Hood.....	15,218.35	1,208.77
23 38 13 16-0030	EA		12'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	15,703.33	1,259.14
23 38 13 16-0031	EA		13' Long x 60" Deep Dry Extractor Exhaust Hood.....	16,261.64	1,309.50
23 38 13 16-0032	EA		13'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	16,852.20	1,359.86
23 38 13 16-0033	EA		14' Long x 60" Deep Dry Extractor Exhaust Hood.....	18,066.57	1,410.23
23 38 13 16-0034	EA		14'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	18,668.45	1,460.59
23 38 13 16-0035	EA		15' Long x 60" Deep Dry Extractor Exhaust Hood.....	19,820.48	1,510.96
23 38 13 16-0036	EA		15'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	20,989.13	1,561.33
23 38 13 16-0037	EA		16' Long x 60" Deep Dry Extractor Exhaust Hood.....	22,145.36	1,611.69

23 38 13 16-0038 Single Manifold Water Wash Exhaust Hoods (23 38 13 16-0001)

Note: Includes extraction baffles, 48" long fluorescent light fixtures, and UDS filler panels. Excludes fan wash control panel.

23 38 13 16-0039	EA		8' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	12,377.98	805.84
23 38 13 16-0040	EA		8'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	12,774.62	856.22
23 38 13 16-0041	EA		9' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	13,840.54	906.58
23 38 13 16-0042	EA		9'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	14,235.34	956.94
23 38 13 16-0043	EA		10' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	14,651.14	1,007.31
23 38 13 16-0044	EA		10'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	15,035.53	1,057.67
23 38 13 16-0045	EA		11' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	15,431.61	1,108.03
23 38 13 16-0046	EA		11'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	15,828.19	1,158.40
23 38 13 16-0047	EA		12' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	16,183.36	1,208.77
23 38 13 16-0048	EA		12'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	16,708.97	1,259.14
23 38 13 16-0049	EA		13' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	17,307.91	1,309.50
23 38 13 16-0050	EA		13'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	17,939.10	1,359.86
23 38 13 16-0051	EA		14' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	19,194.10	1,410.23
23 38 13 16-0052	EA		14'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	19,836.62	1,460.59
23 38 13 16-0053	EA		15' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	21,100.38	1,510.96
23 38 13 16-0054	EA		15'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	21,740.82	1,561.33
23 38 13 16-0055	EA		16' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	22,378.99	1,611.69

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 38 Ventilation Hoods**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 38 13 16-0056 EA Fan Wash Control Panel..... Note: Includes time clock and backflow preventer.	8,807.64	402.92
23 38 13 16-0057 Utility Distribution System (UDS) (23 38 13 16-0001) Note: Includes "L" shaped primary riser, secondary riser, horizontal mechanical and electrical raceway; 2" IPS looped gas manifold with two (2) solenoid gas valves; 1" hot water manifold; 1" cold water manifold; 100 Amp 120-208 VAC/3 Ph/60 Hz main shunt trip connectors; equipment restraints; flexible drain connectors; and power interruption device. Excludes main shunt breaker.		
23 38 13 16-0058 EA 8' Long UDS.....	26,136.59	409.78
23 38 13 16-0059 EA 8'-6" Long UDS.....	26,907.49	419.75
23 38 13 16-0060 EA 9' Long UDS.....	27,669.98	429.51
23 38 13 16-0061 EA 9'-6" Long UDS.....	28,440.41	443.21
23 38 13 16-0062 EA 10' Long UDS.....	29,205.17	454.10
23 38 13 16-0063 EA 10'-6" Long UDS.....	29,962.94	465.57
23 38 13 16-0064 EA 11' Long UDS.....	30,729.89	473.53
23 38 13 16-0065 EA 11'-6" Long UDS.....	31,497.77	486.03
23 38 13 16-0066 EA 12' Long UDS.....	32,276.07	503.66
23 38 13 16-0067 EA 12'-6" Long UDS.....	33,066.99	527.62
23 38 13 16-0068 EA 13' Long UDS.....	33,840.98	543.14
23 38 13 16-0069 EA 13'-6" Long UDS.....	34,628.29	565.30
23 38 13 16-0070 EA 14' Long UDS.....	35,406.94	583.13
23 38 13 16-0071 EA 14'-6" Long UDS.....	36,187.93	602.17
23 38 13 16-0072 EA 15' Long UDS.....	36,971.49	622.52
23 38 13 16-0073 EA 15'-6" Long UDS.....	37,757.86	644.18
23 38 13 16-0074 EA 16' Long UDS.....	38,531.51	659.58
23 38 13 16-0075 Stainless Steel Exhaust Hood Material (23 38 13 16) Note: Welded seams.		
23 38 13 16-0076 SF 16 Gauge, Type 304, Stainless Steel Exhaust Hood Material..... For Type 316 Stainless Steel, Add	37.07 0.98	13.17
23 38 13 16-0077 SF 14 Gauge, Type 304, Stainless Steel Exhaust Hood Material..... For Type 316 Stainless Steel, Add	46.33 1.22	17.56
23 38 13 16-0078 SF 12 Gauge, Type 304, Stainless Steel Exhaust Hood Material..... For Type 316 Stainless Steel, Add	64.32 1.70	23.71
23 38 13 16-0079 SF 10 Gauge, Type 304, Stainless Steel Exhaust Hood Material..... For Type 316 Stainless Steel, Add	80.45 2.19	28.97
23 38 13 16-0080 Kitchen Exhaust Hood (23 38 13 16) 23 38 13 16-0081 EA Type 1, 10' x 48" Low Ceiling Sloped Front Commercial Kitchen Hood System With PSP Makeup Air (Halifax LPSHP1048)..... Note: Ductwork connections by others.	7,766.43 416.79	1,799.27
23 38 13 16-0082 EA Type 1, 8' x 48" Commercial Kitchen Hood System With Short Cycle Makeup Air (Halifax SCHP848)..... Note: Ductwork connections by others.	7,046.72 416.79	1,439.41
23 38 13 16-0083 EA Type 1, 4' x 48" Low Ceiling Sloped Front Commercial Kitchen Hood System (Halifax LEXHP448)..... Note: Ductwork connections by others.	3,814.31 237.49	719.71
23 38 13 16-0084 EA Type 1, 6' x 48" Low Ceiling Sloped Front Commercial Kitchen Hood System (Halifax LEXHP648)..... Note: Ductwork connections by others.	4,941.02 278.19	1,079.56
23 38 13 16-0085 EA Type 1, 5' x 48" Commercial Kitchen Hood System (Halifax EXHP548)..... Note: Ductwork connections by others.	4,438.17 263.89	899.63
23 40 HVAC Air Cleaning Devices (23)		
23 41 Particulate Air Filtration (23 40)		
23 41 13 Panel Air Filters (23 41)		
23 41 13 00-0001 Disposable Fiberglass Air Filters (23 41 13)		
23 41 13 00-0002 EA 8" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	11.55	4.69
23 41 13 00-0003 EA 8" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	11.55	4.69
23 41 13 00-0004 EA 8" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	11.28	4.69
23 41 13 00-0005 EA 10" x 10" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	11.14	4.91
23 41 13 00-0006 EA 10" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	11.14	4.91
23 41 13 00-0007 EA 10" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	11.14	4.91
23 41 13 00-0008 EA 10" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	11.14	4.91
23 41 13 00-0009 EA 10" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	11.36	4.91

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Air Cleaning Devices

23 40

Particulate Air Filtration

23 41

23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0010	EA	12" x 12" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	11.78	5.13
23 41 13 00-0011	EA	12" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	11.76	5.13
23 41 13 00-0012	EA	12" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	11.14	5.13
23 41 13 00-0013	EA	12" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	11.14	5.13
23 41 13 00-0014	EA	12" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	11.14	5.13
23 41 13 00-0015	EA	12" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	13.56	5.13
23 41 13 00-0016	EA	12" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.32	5.13
23 41 13 00-0017	EA	14" x 14" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	12.71	5.42
23 41 13 00-0018	EA	14" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.02	5.42
23 41 13 00-0019	EA	14" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	11.83	5.42
23 41 13 00-0020	EA	14" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	12.71	5.42
23 41 13 00-0021	EA	14" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	11.83	5.42
23 41 13 00-0022	EA	14" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	13.55	5.42
23 41 13 00-0023	EA	15" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	11.94	5.57
23 41 13 00-0024	EA	15" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	11.94	5.57
23 41 13 00-0025	EA	15" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.97	5.57
23 41 13 00-0026	EA	16" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	12.07	5.64
23 41 13 00-0027	EA	16" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	13.57	5.64
23 41 13 00-0028	EA	16" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	12.12	5.64
23 41 13 00-0029	EA	16" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	13.00	5.64
23 41 13 00-0030	EA	16" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	11.54	5.64
23 41 13 00-0031	EA	16" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.08	5.64
23 41 13 00-0032	EA	16" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.44	5.64
23 41 13 00-0033	EA	16" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.17	5.64
23 41 13 00-0034	EA	18" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	13.29	5.86
23 41 13 00-0035	EA	18" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	12.95	5.86
23 41 13 00-0036	EA	18" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	13.29	5.86
23 41 13 00-0037	EA	18" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.46	5.86
23 41 13 00-0038	EA	18" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.16	5.86
23 41 13 00-0039	EA	18" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.11	5.86
23 41 13 00-0040	EA	19" x 27" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.93	6.15
23 41 13 00-0041	EA	20" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	12.22	6.15
23 41 13 00-0042	EA	20" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.27	6.15
23 41 13 00-0043	EA	20" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.55	6.15
23 41 13 00-0044	EA	20" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.00	6.15
23 41 13 00-0045	EA	20" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.13	6.15
23 41 13 00-0046	EA	20" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.96	6.15
23 41 13 00-0047	EA	21" x 21" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.13	6.22
23 41 13 00-0048	EA	22" x 22" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.33	6.30
23 41 13 00-0049	EA	24" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.43	6.37
23 41 13 00-0050	EA	24" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.02	6.37
23 41 13 00-0051	EA	24" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	22.05	6.37

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 40 HVAC Air Cleaning Devices****23 41 Particulate Air Filtration**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0052 EA 25" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.52	6.44
23 41 13 00-0053 EA 25" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	22.50	6.44
23 41 13 00-0054 EA 10" x 10" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	12.96	4.91
23 41 13 00-0055 EA 10" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	11.96	4.91
23 41 13 00-0056 EA 12" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.12	5.13
23 41 13 00-0057 EA 14" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.51	5.42
23 41 13 00-0058 EA 14" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.51	5.42
23 41 13 00-0059 EA 15" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.80	5.57
23 41 13 00-0060 EA 16" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.68	5.64
23 41 13 00-0061 EA 16" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.53	5.64
23 41 13 00-0062 EA 16" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.90	5.64
23 41 13 00-0063 EA 18" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.83	5.86
23 41 13 00-0064 EA 20" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.34	6.15
23 41 13 00-0065 EA 20" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.08	6.15
23 41 13 00-0066 EA 20" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.08	6.15
23 41 13 00-0067 EA 24" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.64	6.37
23 41 13 00-0068 EA 25" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.73	6.44
23 41 13 00-0069 Disposable Pleated Air Filters (23 41 43)		
23 41 13 00-0070 EA 10" x 20" x 1" Disposable Pleated Air Filter, MERV 8.....	12.15	4.91
23 41 13 00-0071 EA 10" x 24" x 1" Disposable Pleated Air Filter, MERV 8.....	18.78	4.91
23 41 13 00-0072 EA 10" x 30" x 1" Disposable Pleated Air Filter, MERV 8.....	24.00	4.91
23 41 13 00-0073 EA 12" x 12" x 1" Disposable Pleated Air Filter, MERV 8.....	16.02	5.13
23 41 13 00-0074 EA 12" x 20" x 1" Disposable Pleated Air Filter, MERV 8.....	14.79	5.13
23 41 13 00-0075 EA 12" x 24" x 1" Disposable Pleated Air Filter, MERV 8.....	14.60	5.13
23 41 13 00-0076 EA 12" x 25" x 1" Disposable Pleated Air Filter, MERV 8.....	14.60	5.13
23 41 13 00-0077 EA 12" x 30" x 1" Disposable Pleated Air Filter, MERV 8.....	24.30	5.13
23 41 13 00-0078 EA 14" x 14" x 1" Disposable Pleated Air Filter, MERV 8.....	18.25	5.42
23 41 13 00-0079 EA 14" x 20" x 1" Disposable Pleated Air Filter, MERV 8.....	15.18	5.42
23 41 13 00-0080 EA 14" x 24" x 1" Disposable Pleated Air Filter, MERV 8.....	19.81	5.42
23 41 13 00-0081 EA 14" x 25" x 1" Disposable Pleated Air Filter, MERV 8.....	15.74	5.42
23 41 13 00-0082 EA 14" x 30" x 1" Disposable Pleated Air Filter, MERV 8.....	23.29	5.42
23 41 13 00-0083 EA 15" x 20" x 1" Disposable Pleated Air Filter, MERV 8.....	15.48	5.57
23 41 13 00-0084 EA 16" x 16" x 1" Disposable Pleated Air Filter, MERV 8.....	18.54	5.64
23 41 13 00-0085 EA 16" x 20" x 1" Disposable Pleated Air Filter, MERV 8.....	15.21	5.64
23 41 13 00-0086 EA 16" x 24" x 1" Disposable Pleated Air Filter, MERV 8.....	18.01	5.64
23 41 13 00-0087 EA 16" x 25" x 1" Disposable Pleated Air Filter, MERV 8.....	15.84	5.64
23 41 13 00-0088 EA 16" x 30" x 1" Disposable Pleated Air Filter, MERV 8.....	23.58	5.64
23 41 13 00-0089 EA 18" x 18" x 1" Disposable Pleated Air Filter, MERV 8.....	25.27	5.86
23 41 13 00-0090 EA 18" x 20" x 1" Disposable Pleated Air Filter, MERV 8.....	18.26	5.86
23 41 13 00-0091 EA 18" x 24" x 1" Disposable Pleated Air Filter, MERV 8.....	17.92	5.86
23 41 13 00-0092 EA 18" x 25" x 1" Disposable Pleated Air Filter, MERV 8.....	17.67	5.86
23 41 13 00-0093 EA 18" x 30" x 1" Disposable Pleated Air Filter, MERV 8.....	25.44	5.86
23 41 13 00-0094 EA 20" x 20" x 1" Disposable Pleated Air Filter, MERV 8.....	16.63	6.15
23 41 13 00-0095 EA 20" x 24" x 1" Disposable Pleated Air Filter, MERV 8.....	17.90	6.15
23 41 13 00-0096 EA 20" x 25" x 1" Disposable Pleated Air Filter, MERV 8.....	17.69	6.15
23 41 13 00-0097 EA 20" x 30" x 1" Disposable Pleated Air Filter, MERV 8.....	20.23	6.15
23 41 13 00-0098 EA 22" x 22" x 1" Disposable Pleated Air Filter, MERV 8.....	24.93	6.30
23 41 13 00-0099 EA 24" x 24" x 1" Disposable Pleated Air Filter, MERV 8.....	19.12	6.37
23 41 13 00-0100 EA 24" x 30" x 1" Disposable Pleated Air Filter, MERV 8.....	31.14	6.37
23 41 13 00-0101 EA 25" x 25" x 1" Disposable Pleated Air Filter, MERV 8.....	20.31	6.44
23 41 13 00-0102 EA 10" x 20" x 2" Disposable Pleated Air Filter, MERV 8.....	14.62	4.91
23 41 13 00-0103 EA 12" x 12" x 2" Disposable Pleated Air Filter, MERV 8.....	19.46	5.13
23 41 13 00-0104 EA 12" x 20" x 2" Disposable Pleated Air Filter, MERV 8.....	15.33	5.13
23 41 13 00-0105 EA 12" x 24" x 2" Disposable Pleated Air Filter, MERV 8.....	15.07	5.13
23 41 13 00-0106 EA 14" x 20" x 2" Disposable Pleated Air Filter, MERV 8.....	15.94	5.42
23 41 13 00-0107 EA 14" x 25" x 2" Disposable Pleated Air Filter, MERV 8.....	16.71	5.42
23 41 13 00-0108 EA 15" x 20" x 2" Disposable Pleated Air Filter, MERV 8.....	16.13	5.57
23 41 13 00-0109 EA 16" x 16" x 2" Disposable Pleated Air Filter, MERV 8.....	20.68	5.64
23 41 13 00-0110 EA 16" x 20" x 2" Disposable Pleated Air Filter, MERV 8.....	15.75	5.64
23 41 13 00-0111 EA 16" x 24" x 2" Disposable Pleated Air Filter, MERV 8.....	18.20	5.64
23 41 13 00-0112 EA 16" x 25" x 2" Disposable Pleated Air Filter, MERV 8.....	16.74	5.64
23 41 13 00-0113 EA 18" x 18" x 2" Disposable Pleated Air Filter, MERV 8.....	24.07	5.86
23 41 13 00-0114 EA 18" x 20" x 2" Disposable Pleated Air Filter, MERV 8.....	20.28	5.86

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Air Cleaning Devices

23 40

Particulate Air Filtration

23 41

23

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0115	EA	18" x 24" x 2" Disposable Pleated Air Filter, MERV 8	.....	18.26	5.86
23 41 13 00-0116	EA	18" x 25" x 2" Disposable Pleated Air Filter, MERV 8	.....	19.03	5.86
23 41 13 00-0117	EA	20" x 20" x 2" Disposable Pleated Air Filter, MERV 8	.....	17.62	6.15
23 41 13 00-0118	EA	20" x 24" x 2" Disposable Pleated Air Filter, MERV 8	.....	19.02	6.15
23 41 13 00-0119	EA	20" x 25" x 2" Disposable Pleated Air Filter, MERV 8	.....	18.78	6.15
23 41 13 00-0120	EA	20" x 30" x 2" Disposable Pleated Air Filter, MERV 8	.....	27.91	6.15
23 41 13 00-0121	EA	24" x 24" x 2" Disposable Pleated Air Filter, MERV 8	.....	20.20	6.37
23 41 13 00-0122	EA	25" x 25" x 2" Disposable Pleated Air Filter, MERV 8	.....	22.48	6.44
23 41 13 00-0123	EA	12" x 24" x 4" Disposable Pleated Air Filter, MERV 8	.....	23.92	5.13
23 41 13 00-0124	EA	16" x 20" x 4" Disposable Pleated Air Filter, MERV 8	.....	25.82	5.64
23 41 13 00-0125	EA	16" x 25" x 4" Disposable Pleated Air Filter, MERV 8	.....	27.72	5.64
23 41 13 00-0126	EA	18" x 24" x 4" Disposable Pleated Air Filter, MERV 8	.....	29.96	5.86
23 41 13 00-0127	EA	20" x 20" x 4" Disposable Pleated Air Filter, MERV 8	.....	28.30	6.15
23 41 13 00-0128	EA	20" x 24" x 4" Disposable Pleated Air Filter, MERV 8	.....	30.96	6.15
23 41 13 00-0129	EA	20" x 25" x 4" Disposable Pleated Air Filter, MERV 8	.....	31.21	6.15
23 41 13 00-0130	EA	24" x 24" x 4" Disposable Pleated Air Filter, MERV 8	.....	34.17	6.37
23 41 13 00-0131	EA	10" x 20" x 1" Disposable Pleated Air Filter, MERV 11	.....	21.68	4.91
23 41 13 00-0132	EA	10" x 24" x 1" Disposable Pleated Air Filter, MERV 11	.....	21.68	4.91
23 41 13 00-0133	EA	10" x 30" x 1" Disposable Pleated Air Filter, MERV 11	.....	28.55	4.91
23 41 13 00-0134	EA	12" x 12" x 1" Disposable Pleated Air Filter, MERV 11	.....	23.01	5.13
23 41 13 00-0135	EA	12" x 20" x 1" Disposable Pleated Air Filter, MERV 11	.....	22.39	5.13
23 41 13 00-0136	EA	12" x 24" x 1" Disposable Pleated Air Filter, MERV 11	.....	22.29	5.13
23 41 13 00-0137	EA	12" x 30" x 1" Disposable Pleated Air Filter, MERV 11	.....	32.52	5.13
23 41 13 00-0138	EA	14" x 14" x 1" Disposable Pleated Air Filter, MERV 11	.....	26.26	5.42
23 41 13 00-0139	EA	14" x 20" x 1" Disposable Pleated Air Filter, MERV 11	.....	22.93	5.42
23 41 13 00-0140	EA	14" x 24" x 1" Disposable Pleated Air Filter, MERV 11	.....	30.09	5.42
23 41 13 00-0141	EA	14" x 25" x 1" Disposable Pleated Air Filter, MERV 11	.....	29.39	5.42
23 41 13 00-0142	EA	14" x 30" x 1" Disposable Pleated Air Filter, MERV 11	.....	34.78	5.42
23 41 13 00-0143	EA	15" x 20" x 1" Disposable Pleated Air Filter, MERV 11	.....	21.90	5.57
23 41 13 00-0144	EA	16" x 16" x 1" Disposable Pleated Air Filter, MERV 11	.....	31.70	5.64
23 41 13 00-0145	EA	16" x 20" x 1" Disposable Pleated Air Filter, MERV 11	.....	20.33	5.64
23 41 13 00-0146	EA	16" x 24" x 1" Disposable Pleated Air Filter, MERV 11	.....	26.70	5.64
23 41 13 00-0147	EA	16" x 25" x 1" Disposable Pleated Air Filter, MERV 11	.....	24.40	5.64
23 41 13 00-0148	EA	16" x 30" x 1" Disposable Pleated Air Filter, MERV 11	.....	32.76	5.64
23 41 13 00-0149	EA	18" x 18" x 1" Disposable Pleated Air Filter, MERV 11	.....	33.49	5.86
23 41 13 00-0150	EA	18" x 20" x 1" Disposable Pleated Air Filter, MERV 11	.....	28.16	5.86
23 41 13 00-0151	EA	18" x 24" x 1" Disposable Pleated Air Filter, MERV 11	.....	25.22	5.86
23 41 13 00-0152	EA	18" x 25" x 1" Disposable Pleated Air Filter, MERV 11	.....	26.99	5.86
23 41 13 00-0153	EA	18" x 30" x 1" Disposable Pleated Air Filter, MERV 11	.....	38.07	5.86
23 41 13 00-0154	EA	20" x 20" x 1" Disposable Pleated Air Filter, MERV 11	.....	25.26	6.15
23 41 13 00-0155	EA	20" x 24" x 1" Disposable Pleated Air Filter, MERV 11	.....	27.89	6.15
23 41 13 00-0156	EA	20" x 25" x 1" Disposable Pleated Air Filter, MERV 11	.....	28.18	6.15
23 41 13 00-0157	EA	20" x 30" x 1" Disposable Pleated Air Filter, MERV 11	.....	33.08	6.15
23 41 13 00-0158	EA	22" x 22" x 1" Disposable Pleated Air Filter, MERV 11	.....	36.76	6.30
23 41 13 00-0159	EA	24" x 24" x 1" Disposable Pleated Air Filter, MERV 11	.....	30.66	6.37
23 41 13 00-0160	EA	24" x 30" x 1" Disposable Pleated Air Filter, MERV 11	.....	40.28	6.37
23 41 13 00-0161	EA	25" x 25" x 1" Disposable Pleated Air Filter, MERV 11	.....	34.71	6.44
23 41 13 00-0162	EA	10" x 20" x 2" Disposable Pleated Air Filter, MERV 11	.....	22.09	4.91
23 41 13 00-0163	EA	12" x 12" x 2" Disposable Pleated Air Filter, MERV 11	.....	23.28	5.13
23 41 13 00-0164	EA	12" x 20" x 2" Disposable Pleated Air Filter, MERV 11	.....	22.06	5.13
23 41 13 00-0165	EA	12" x 24" x 2" Disposable Pleated Air Filter, MERV 11	.....	26.15	5.13
23 41 13 00-0166	EA	14" x 20" x 2" Disposable Pleated Air Filter, MERV 11	.....	23.22	5.42
23 41 13 00-0167	EA	14" x 25" x 2" Disposable Pleated Air Filter, MERV 11	.....	24.40	5.42
23 41 13 00-0168	EA	15" x 20" x 2" Disposable Pleated Air Filter, MERV 11	.....	23.84	5.57
23 41 13 00-0169	EA	16" x 16" x 2" Disposable Pleated Air Filter, MERV 11	.....	32.39	5.64
23 41 13 00-0170	EA	16" x 20" x 2" Disposable Pleated Air Filter, MERV 11	.....	28.00	5.64
23 41 13 00-0171	EA	16" x 24" x 2" Disposable Pleated Air Filter, MERV 11	.....	27.26	5.64
23 41 13 00-0172	EA	16" x 25" x 2" Disposable Pleated Air Filter, MERV 11	.....	31.07	5.64
23 41 13 00-0173	EA	18" x 18" x 2" Disposable Pleated Air Filter, MERV 11	.....	37.50	5.86
23 41 13 00-0174	EA	18" x 20" x 2" Disposable Pleated Air Filter, MERV 11	.....	29.41	5.86
23 41 13 00-0175	EA	18" x 24" x 2" Disposable Pleated Air Filter, MERV 11	.....	33.79	5.86
23 41 13 00-0176	EA	18" x 25" x 2" Disposable Pleated Air Filter, MERV 11	.....	29.06	5.86
23 41 13 00-0177	EA	20" x 20" x 2" Disposable Pleated Air Filter, MERV 11	.....	32.32	6.15
23 41 13 00-0178	EA	20" x 24" x 2" Disposable Pleated Air Filter, MERV 11	.....	34.76	6.15
23 41 13 00-0179	EA	20" x 25" x 2" Disposable Pleated Air Filter, MERV 11	.....	35.12	6.15
23 41 13 00-0180	EA	24" x 24" x 2" Disposable Pleated Air Filter, MERV 11	.....	35.05	6.37
23 41 13 00-0181	EA	25" x 25" x 2" Disposable Pleated Air Filter, MERV 11	.....	35.50	6.44
23 41 13 00-0182	EA	12" x 24" x 4" Disposable Pleated Air Filter, MERV 11	.....	43.38	5.13
23 41 13 00-0183	EA	16" x 20" x 4" Disposable Pleated Air Filter, MERV 11	.....	44.33	5.64
23 41 13 00-0184	EA	16" x 25" x 4" Disposable Pleated Air Filter, MERV 11	.....	53.08	5.64
23 41 13 00-0185	EA	18" x 24" x 4" Disposable Pleated Air Filter, MERV 11	.....	52.94	5.86
23 41 13 00-0186	EA	20" x 20" x 4" Disposable Pleated Air Filter, MERV 11	.....	52.66	6.15
23 41 13 00-0187	EA	20" x 24" x 4" Disposable Pleated Air Filter, MERV 11	.....	58.16	6.15
23 41 13 00-0188	EA	20" x 25" x 4" Disposable Pleated Air Filter, MERV 11	.....	58.16	6.15
23 41 13 00-0189	EA	24" x 24" x 4" Disposable Pleated Air Filter, MERV 11	.....	65.03	6.37
23 41 13 00-0190	EA	8" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	28.08	4.69
23 41 13 00-0191	EA	8" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	28.08	4.69
23 41 13 00-0192	EA	8" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	28.08	4.69
23 41 13 00-0193	EA	10" x 10" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	28.37	4.91
23 41 13 00-0194	EA	10" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	27.08	4.91
23 41 13 00-0195	EA	10" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	.....	28.37	4.91

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 40 HVAC Air Cleaning Devices****23 41 Particulate Air Filtration**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0196 EA 10" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	28.37	4.91
23 41 13 00-0197 EA 10" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	28.37	4.91
23 41 13 00-0198 EA 12" x 12" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	27.38	5.13
23 41 13 00-0199 EA 12" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	28.67	5.13
23 41 13 00-0200 EA 12" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	27.38	5.13
23 41 13 00-0201 EA 12" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	27.38	5.13
23 41 13 00-0202 EA 12" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	28.67	5.13
23 41 13 00-0203 EA 12" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	28.67	5.13
23 41 13 00-0204 EA 12" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.95	5.13
23 41 13 00-0205 EA 14" x 14" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	27.77	5.42
23 41 13 00-0206 EA 14" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.06	5.42
23 41 13 00-0207 EA 14" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	27.77	5.42
23 41 13 00-0208 EA 14" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	27.77	5.42
23 41 13 00-0209 EA 14" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	27.77	5.42
23 41 13 00-0210 EA 14" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.06	5.42
23 41 13 00-0211 EA 15" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	27.96	5.57
23 41 13 00-0212 EA 15" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.25	5.57
23 41 13 00-0213 EA 15" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.25	5.57
23 41 13 00-0214 EA 16" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	28.06	5.64
23 41 13 00-0215 EA 16" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.35	5.64
23 41 13 00-0216 EA 16" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	28.06	5.64
23 41 13 00-0217 EA 16" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	28.06	5.64
23 41 13 00-0218 EA 16" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	28.06	5.64
23 41 13 00-0219 EA 16" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.35	5.64
23 41 13 00-0220 EA 16" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.35	5.64
23 41 13 00-0221 EA 16" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.52	5.64
23 41 13 00-0222 EA 18" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	28.35	5.86
23 41 13 00-0223 EA 18" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.92	5.86
23 41 13 00-0224 EA 18" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	28.35	5.86
23 41 13 00-0225 EA 18" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.92	5.86
23 41 13 00-0226 EA 18" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.92	5.86
23 41 13 00-0227 EA 18" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.81	5.86
23 41 13 00-0228 EA 19" x 27" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.32	6.15
23 41 13 00-0229 EA 20" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	28.75	6.15
23 41 13 00-0230 EA 20" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	28.75	6.15
23 41 13 00-0231 EA 20" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	28.75	6.15
23 41 13 00-0232 EA 20" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.04	6.15
23 41 13 00-0233 EA 20" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.21	6.15
23 41 13 00-0234 EA 20" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.21	6.15
23 41 13 00-0235 EA 21" x 21" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.41	6.22
23 41 13 00-0236 EA 22" x 22" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.23	6.30
23 41 13 00-0237 EA 24" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.90	6.37
23 41 13 00-0238 EA 24" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.90	6.37
23 41 13 00-0239 EA 24" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	37.07	6.37
23 41 13 00-0240 EA 25" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.99	6.44
23 41 13 00-0241 EA 25" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	37.16	6.44
23 41 13 00-0242 EA 30" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	37.36	6.59
23 41 13 00-0243 Electrostatic Air Filters With Frame, Element And Busbar (23 41 13)		
23 41 13 00-0244 MF3 Electrostatic Air Filter, High Efficiency Non Supported With Frame, Element And Busbar	66.83	
23 41 13 00-0245 MF3 Electrostatic Air Filter, Medium Efficiency Non Supported With Frame, Element And Busbar	64.54	
23 41 13 00-0246 MF3 Electrostatic Air Filter, Glass/Paper Throwaway With Frame, Element And Busbar	2.78	
23 41 13 00-0247 Carbon Vapor Trap, Disposable V-Bank Filter (23 41 13)		
23 41 13 00-0248 EA 24" x 24" x 12" Thick Carbon Vapor, Disposable V-Bank Filter	605.89	14.65
23 41 16 Renewable-Media Air Filters (23 41)		
23 41 16 00-0001 Renewable-Media Electrostatic Air Filters With Frame, Element And Busbar (23 41 16)		
23 41 16 00-0002 MF3 Electrostatic Air Filter, 5' Disposable Roll Renewable With Frame, Element And Busbar	115.00	
23 41 19 Washable Air Filters (23 41)		
23 41 19 00-0001 Washable Electrostatic Air Filters With Frame, Element And Busbar (23 41 19)		
23 41 19 00-0002 MF3 Electrostatic Air Filter, Permanent, Washable With Frame, Element And Busbar	43.91	
23 41 33 High-Efficiency Particulate Filtration (23 41)		
23 41 33 00-0001 High Efficiency Particulate Air (HEPA) Filters (23 41 33)		
Note: Includes particle board and kraft paper frame and separator material.		
23 41 33 00-0002 High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-95% (23 41 33 00-0001)		



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Air Cleaning Devices			23 40
Particulate Air Filtration			23 41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0003	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 150 CFM, Complete.....	114.43	13.67
		For Removal And Replacement In Existing Equipment, Add	2.73	
		For >10 To 25, Deduct	-2.86	
		For >25 To 50, Deduct	-5.72	
		For >50 To 100, Deduct	-8.58	
		For >100, Deduct	-11.44	
23 41 33 00-0004	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 375 CFM, Complete.....	152.82	15.63
		For Removal And Replacement In Existing Equipment, Add	3.13	
		For >10 To 25, Deduct	-3.82	
		For >25 To 50, Deduct	-7.64	
		For >50 To 100, Deduct	-11.46	
		For >100, Deduct	-15.28	
23 41 33 00-0005	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 450 CFM, Complete.....	178.91	18.07
		For Removal And Replacement In Existing Equipment, Add	3.61	
		For >10 To 25, Deduct	-4.47	
		For >25 To 50, Deduct	-8.95	
		For >50 To 100, Deduct	-13.42	
		For >100, Deduct	-17.89	
23 41 33 00-0006	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 700 CFM, Complete.....	205.03	20.51
		For Removal And Replacement In Existing Equipment, Add	4.10	
		For >10 To 25, Deduct	-5.13	
		For >25 To 50, Deduct	-10.25	
		For >50 To 100, Deduct	-15.38	
		For >100, Deduct	-20.50	
23 41 33 00-0007	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 250 CFM, Complete.....	139.96	14.65
		For Removal And Replacement In Existing Equipment, Add	2.93	
		For >10 To 25, Deduct	-3.50	
		For >25 To 50, Deduct	-7.00	
		For >50 To 100, Deduct	-10.50	
		For >100, Deduct	-14.00	
23 41 33 00-0008	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 500 CFM, Complete.....	188.62	17.09
		For Removal And Replacement In Existing Equipment, Add	3.42	
		For >10 To 25, Deduct	-4.72	
		For >25 To 50, Deduct	-9.43	
		For >50 To 100, Deduct	-14.15	
		For >100, Deduct	-18.86	
23 41 33 00-0009	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 875 CFM, Complete.....	225.69	19.53
		For Removal And Replacement In Existing Equipment, Add	3.91	
		For >10 To 25, Deduct	-5.64	
		For >25 To 50, Deduct	-11.28	
		For >50 To 100, Deduct	-16.93	
		For >100, Deduct	-22.57	
23 41 33 00-0010	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 1,000 CFM, Complete.....	267.65	24.42
		For Removal And Replacement In Existing Equipment, Add	4.88	
		For >10 To 25, Deduct	-6.69	
		For >25 To 50, Deduct	-13.38	
		For >50 To 100, Deduct	-20.07	
		For >100, Deduct	-26.77	
23 41 33 00-0011		High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-99.99% (23 41 33 00-0001)		
23 41 33 00-0012	EA	12" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	97.92	12.21
		For Removal And Replacement In Existing Equipment, Add	2.44	
		For >10 To 25, Deduct	-2.45	
		For >25 To 50, Deduct	-4.90	
		For >50 To 100, Deduct	-7.34	
		For >100, Deduct	-9.79	
23 41 33 00-0013	EA	24" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	136.10	14.65
		For Removal And Replacement In Existing Equipment, Add	2.93	
		For >10 To 25, Deduct	-3.40	
		For >25 To 50, Deduct	-6.81	
		For >50 To 100, Deduct	-10.21	
		For >100, Deduct	-13.61	
23 41 33 00-0014	EA	24" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	209.66	17.09
		For Removal And Replacement In Existing Equipment, Add	3.42	
		For >10 To 25, Deduct	-5.24	
		For >25 To 50, Deduct	-10.48	
		For >50 To 100, Deduct	-15.72	
		For >100, Deduct	-20.97	
23 41 33 00-0015	EA	36" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	270.21	19.53
		For Removal And Replacement In Existing Equipment, Add	3.91	
		For >10 To 25, Deduct	-6.76	
		For >25 To 50, Deduct	-13.51	
		For >50 To 100, Deduct	-20.27	
		For >100, Deduct	-27.02	
23 41 33 00-0016	EA	8" x 8" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	92.96	9.77
		For Removal And Replacement In Existing Equipment, Add	1.95	
		For >10 To 25, Deduct	-2.32	
		For >25 To 50, Deduct	-4.65	
		For >50 To 100, Deduct	-6.97	
		For >100, Deduct	-9.30	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 40 HVAC Air Cleaning Devices****23 41 Particulate Air Filtration**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0017 EA 12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 150 CFM, Complete.....	123.14	13.19
For Removal And Replacement In Existing Equipment, Add	2.64	
For >10 To 25, Deduct	-3.08	
For >25 To 50, Deduct	-6.16	
For >50 To 100, Deduct	-9.24	
For >100, Deduct	-12.31	
23 41 33 00-0018 EA 24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 325 CFM, Complete.....	166.33	15.63
For Removal And Replacement In Existing Equipment, Add	3.13	
For >10 To 25, Deduct	-4.16	
For >25 To 50, Deduct	-8.32	
For >50 To 100, Deduct	-12.47	
For >100, Deduct	-16.63	
23 41 33 00-0019 EA 24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 550 CFM, Complete.....	195.27	18.31
For Removal And Replacement In Existing Equipment, Add	3.66	
For >10 To 25, Deduct	-4.88	
For >25 To 50, Deduct	-9.76	
For >50 To 100, Deduct	-14.65	
For >100, Deduct	-19.53	
23 41 33 00-0020 EA 24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete.....	223.25	20.51
For Removal And Replacement In Existing Equipment, Add	4.10	
For >10 To 25, Deduct	-5.58	
For >25 To 50, Deduct	-11.16	
For >50 To 100, Deduct	-16.74	
For >100, Deduct	-22.33	
23 41 33 00-0021 EA 12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 250 CFM, Complete.....	152.24	14.65
For Removal And Replacement In Existing Equipment, Add	2.93	
For >10 To 25, Deduct	-3.81	
For >25 To 50, Deduct	-7.61	
For >50 To 100, Deduct	-11.42	
For >100, Deduct	-15.22	
23 41 33 00-0022 EA 24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 500 CFM, Complete.....	205.79	17.09
For Removal And Replacement In Existing Equipment, Add	3.42	
For >10 To 25, Deduct	-5.14	
For >25 To 50, Deduct	-10.29	
For >50 To 100, Deduct	-15.43	
For >100, Deduct	-20.58	
23 41 33 00-0023 EA 24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete.....	246.43	19.53
For Removal And Replacement In Existing Equipment, Add	3.91	
For >10 To 25, Deduct	-6.16	
For >25 To 50, Deduct	-12.32	
For >50 To 100, Deduct	-18.48	
For >100, Deduct	-24.64	
23 41 33 00-0024 EA 24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 1,100 CFM, Complete.....	303.52	24.42
For Removal And Replacement In Existing Equipment, Add	4.88	
For >10 To 25, Deduct	-7.59	
For >25 To 50, Deduct	-15.18	
For >50 To 100, Deduct	-22.76	
For >100, Deduct	-30.35	
23 41 33 00-0025 High Efficiency Particulate Air (HEPA) Filter Housings, 14 Gauge Galvanized Sheet Metal (23 41 33)		
Note: Nominal sizes.		
23 41 33 00-0026 EA 12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	269.91	72.87
23 41 33 00-0027 EA 24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	500.60	144.84
23 41 33 00-0028 EA 24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	509.00	144.84
23 41 33 00-0029 EA 24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	514.60	144.84
23 41 33 00-0030 EA 24" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	553.79	144.84
23 41 33 00-0031 EA 24" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	602.77	144.84
23 41 33 00-0032 EA 48" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	967.62	290.58
23 41 33 00-0033 EA 48" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,086.58	290.58
23 41 33 00-0034 EA 48" x 96" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,237.72	290.58
23 41 33 00-0035 EA 12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	293.70	72.87
23 41 33 00-0036 EA 24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	541.19	144.84
23 41 33 00-0037 EA 24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	550.99	144.84
23 41 33 00-0038 EA 24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	557.98	144.84
23 41 33 00-0039 EA 24" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	604.17	144.84
23 41 33 00-0040 EA 24" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	665.75	144.84
23 41 33 00-0041 EA 48" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,065.59	290.58
23 41 33 00-0042 EA 48" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,213.93	290.58
23 41 33 00-0043 EA 48" x 96" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,401.47	290.58
23 41 33 00-0044 Filter, Bag Type, 90-95% Efficiency (23 41 33)		
23 41 33 00-0045 EA 0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 90 - 95% Efficiency	230.65	94.46
23 41 33 00-0046 EA 1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 90 - 95% Efficiency	269.81	94.46
23 41 33 00-0047 Filter, Bag Type, 80-85% Efficiency (23 41 33)		
23 41 33 00-0048 EA 0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 80 - 85% Efficiency	226.16	94.46
23 41 33 00-0049 EA 1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 80 - 85% Efficiency	255.05	94.46

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Air Cleaning Devices

23 40

Gas-Phase Air Filtration

23 42

23

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 42 Gas-Phase Air Filtration** (23 40)**23 42 13 Activated-Carbon Air Filtration** (23 42)

23 42 13 00-0001	EA	12" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	41.28	7.32
23 42 13 00-0002	EA	16" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	41.77	7.32
23 42 13 00-0003	EA	16" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	42.06	7.32
23 42 13 00-0004	EA	20" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	42.06	7.32
23 42 13 00-0005	EA	20" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	45.73	7.32
23 42 13 00-0006	EA	24" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	51.77	7.32
23 42 13 00-0007	EA	12" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	52.34	8.30
23 42 13 00-0008	EA	16" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	52.75	8.30
23 42 13 00-0009	EA	16" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	53.10	8.30
23 42 13 00-0010	EA	20" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	53.10	8.30
23 42 13 00-0011	EA	20" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	57.16	8.30
23 42 13 00-0012	EA	24" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	68.47	8.30
23 42 13 00-0013	EA	16" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	24.48	7.32
23 42 13 00-0014	EA	16" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	26.23	7.32
23 42 13 00-0015	EA	20" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	26.30	7.32
23 42 13 00-0016	EA	20" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	28.58	7.32
23 42 13 00-0017	EA	24" x 24" x 1" Thick Carbon Impregnated Pleated Air Filter	30.61	7.32
23 42 13 00-0018	EA	16" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	28.38	8.30
23 42 13 00-0019	EA	16" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	31.43	8.30
23 42 13 00-0020	EA	20" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	32.07	8.30
23 42 13 00-0021	EA	20" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	35.84	8.30
23 42 13 00-0022	EA	24" x 24" x 2" Thick Carbon Impregnated Pleated Air Filter	38.24	8.30
23 42 13 00-0023	EA	24" x 24" x 4" Thick Carbon Impregnated Pleated Air Filter	64.02	8.79

23 43 Electronic Air Cleaners (23 40)**23 43 23 Self-Contained Electronic Air Cleaners** (23 43)**23 43 23 00-0001 Stationary Floor, Room Air Purifier** (23 43 23)

23 43 23 00-0002	EA	Stationary Floor Room Air Purifier, Up to 390 SF (Blueair Pro M)	720.50	
23 43 23 00-0003	EA	Stationary Floor Room Air Purifier, Up to 780 SF (Blueair Pro L)	1,000.50	
23 43 23 00-0004	EA	Stationary Floor Room Air Purifier, Up to 1,180 SF (Blueair Pro XL)	2,520.50	
23 43 23 00-0005	EA	Stationary Floor Room Air Purifier, Up to 550 SF (Delos Compact)	569.51	
23 43 23 00-0006	EA	Stationary Floor Room Air Purifier, Up to 1,125 SF (Delos 468 Ultrafine)	1,019.51	
23 43 23 00-0007	EA	Stationary Floor Room Air Purifier, Up to 3,500 SF (Delos 980P Commercial)	4,019.51	

23 43 23 00-0008 Ceiling Mounted, Room Air Purifier (23 43 23)

23 43 23 00-0009	EA	2' x 4' Suspension Ceiling Mounted, Air Purification System (Armstrong VidaShield UV24)	2,580.86	
23 43 23 00-0010	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F114A1067)	1,964.47	
23 43 23 00-0011	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F115A1064)	2,687.92	
23 43 23 00-0012	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F111A1063W-3S)	3,056.47	

23 43 23 00-0013 Wall Mounted, Room Air Purifier (23 43 23)

23 43 23 00-0014	EA	Air Purifier, Wall Mount, Bipolar Ionizer (Bi-Polar 2400)	621.06	
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23 50 Central Heating Equipment (23)

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 51 Breechings, Chimneys, and Stacks (23 50)**23 51 13 Draft Control Devices** (23 51)**23 51 13 13 Draft-Induction Fans** (23 51 13)**23 51 13 13-0001 Vertical Discharge Fans** (23 51 13 13)

Note: Includes chimney adapter. Excludes wiring.

23 51 13 13-0002 Axial Vane Vertical Discharge Fans (23 51 13 13-0001)

23 51 13 13-0003	EA	450 CFM Vertical Discharge Chimney Fan, Axial Vane	2,385.42	197.92
23 51 13 13-0004	EA	950 CFM Vertical Discharge Chimney Fan, Axial Vane	2,702.26	215.91
23 51 13 13-0005	EA	1,400 CFM Vertical Discharge Chimney Fan, Axial Vane	3,238.72	238.40
23 51 13 13-0006	EA	1,800 CFM Vertical Discharge Chimney Fan, Axial Vane	4,224.27	276.64

23 51 13 13-0007 Centrifugal Impeller Vertical Discharge Fans (23 51 13 13-0001)

23 51 13 13-0008	EA	700 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	2,862.27	215.91
23 51 13 13-0009	EA	1,100 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	3,484.59	238.40
23 51 13 13-0010	EA	2,300 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	4,517.47	278.88
23 51 13 13-0011	EA	3,000 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	5,345.66	312.62

23 51 13 13-0012 Accessories For Vertical Discharge Fans (23 51 13 13-0001)

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 51 13 13-0013 EA Modulating Fan Controller And Sensor345.61 67.47

23 51 13 16 Vent Dampers (23 51 13)**23 51 13 16-0001 Flue Shutter Draft Control Damper, Parallel Blade (23 51 13 16)**

23 51 13 16-0002	EA	3" Round Flue Shutter Draft Control Damper.....	716.02	39.95
23 51 13 16-0003	EA	4" Round Flue Shutter Draft Control Damper.....	784.92	42.37
23 51 13 16-0004	EA	5" Round Flue Shutter Draft Control Damper.....	866.34	44.98
23 51 13 16-0005	EA	6" Round Flue Shutter Draft Control Damper.....	925.57	47.97
23 51 13 16-0006	EA	7" Round Flue Shutter Draft Control Damper.....	1,010.41	51.39
23 51 13 16-0007	EA	8" Round Flue Shutter Draft Control Damper.....	1,073.47	55.32
23 51 13 16-0008	EA	10" Round Flue Shutter Draft Control Damper.....	1,186.69	59.99
23 51 13 16-0009	EA	12" Round Flue Shutter Draft Control Damper.....	1,303.01	65.42
23 51 13 16-0010	EA	14" Round Flue Shutter Draft Control Damper.....	1,458.04	68.59
23 51 13 16-0011	EA	16" Round Flue Shutter Draft Control Damper.....	1,566.12	71.97
23 51 13 16-0012	EA	18" Round Flue Shutter Draft Control Damper.....	1,710.68	75.57
23 51 13 16-0013	EA	20" Round Flue Shutter Draft Control Damper.....	2,028.89	119.65
23 51 13 16-0014	EA	22" Round Flue Shutter Draft Control Damper.....	2,224.31	127.08
23 51 13 16-0015	EA	24" Round Flue Shutter Draft Control Damper.....	2,409.84	134.95
23 51 13 16-0016	EA	26" Round Flue Shutter Draft Control Damper.....	2,451.25	139.45
23 51 13 16-0017	EA	28" Round Flue Shutter Draft Control Damper.....	2,528.47	143.95
23 51 13 16-0018	EA	30" Round Flue Shutter Draft Control Damper.....	2,600.00	152.94
23 51 13 16-0019	EA	32" Round Flue Shutter Draft Control Damper.....	2,712.85	157.34
23 51 13 16-0020	EA	34" Round Flue Shutter Draft Control Damper.....	2,831.32	166.33
23 51 13 16-0021	EA	36" Round Flue Shutter Draft Control Damper.....	2,968.33	179.93
23 51 13 16-0022	EA	38" Round Flue Shutter Draft Control Damper.....	3,117.96	186.10
23 51 13 16-0023	EA	40" Round Flue Shutter Draft Control Damper.....	3,255.41	188.92
23 51 13 16-0024	EA	42" Round Flue Shutter Draft Control Damper.....	3,415.25	197.92
23 51 13 16-0025	EA	44" Round Flue Shutter Draft Control Damper.....	3,576.01	206.92
23 51 13 16-0026	EA	46" Round Flue Shutter Draft Control Damper.....	3,737.20	215.91
23 51 13 16-0027	EA	48" Round Flue Shutter Draft Control Damper.....	3,897.72	224.91

23 51 13 19 Barometric Dampers (23 51 13)**23 51 13 19-0001 Barometric Dampers (23 51 13 19)**

23 51 13 19-0002	EA	6" x 6" Barometric Damper.....	327.05	7.80
23 51 13 19-0003	EA	12" x 12" Barometric Damper.....	472.89	10.72
23 51 13 19-0004	EA	18" x 18" Barometric Damper.....	634.69	16.56
23 51 13 19-0005	EA	24" x 24" Barometric Damper.....	763.81	31.18
23 51 13 19-0006	EA	6" Diameter Barometric Damper.....	161.98	7.80
		<i>For Stainless Steel, Add</i>	171.26	
23 51 13 19-0007	EA	7" Diameter Barometric Damper.....	191.58	8.76
		<i>For Stainless Steel, Add</i>	203.46	
23 51 13 19-0008	EA	8" Diameter Barometric Damper.....	222.29	9.74
		<i>For Stainless Steel, Add</i>	235.96	
23 51 13 19-0009	EA	9" Diameter Barometric Damper.....	272.79	9.74
		<i>For Stainless Steel, Add</i>	298.91	
23 51 13 19-0010	EA	10" Diameter Barometric Damper.....	358.21	11.69
		<i>For Stainless Steel, Add</i>	407.23	
23 51 13 19-0011	EA	12" Diameter Barometric Damper.....	454.12	12.67
		<i>For Stainless Steel, Add</i>	525.21	
23 51 13 19-0012	EA	14" Diameter Barometric Damper.....	570.06	13.64
		<i>For Stainless Steel, Add</i>	669.84	
23 51 13 19-0013	EA	15" Diameter Barometric Damper.....	679.76	14.61
		<i>For Stainless Steel, Add</i>	805.09	
23 51 13 19-0014	EA	16" Diameter Barometric Damper.....	788.07	16.56
		<i>For Stainless Steel, Add</i>	940.06	
23 51 13 19-0015	EA	18" Diameter Barometric Damper.....	1,036.26	17.54
		<i>For Stainless Steel, Add</i>	1,255.94	
23 51 13 19-0016	EA	20" Diameter Barometric Damper.....	1,232.65	19.49
		<i>For Stainless Steel, Add</i>	1,503.32	
23 51 13 19-0017	EA	24" Diameter Barometric Damper.....	1,484.96	19.49
		<i>For Stainless Steel, Add</i>	1,826.83	
23 51 13 19-0018	EA	30" Diameter Barometric Damper.....	1,829.60	22.41
		<i>For Stainless Steel, Add</i>	2,264.50	
23 51 13 19-0019	EA	36" Diameter Barometric Damper.....	2,331.90	23.38
		<i>For Stainless Steel, Add</i>	2,911.49	

23 51 16 Fabricated Breechings and Accessories (23 51)**23 51 16 00-0001 Round Galvanized Double Wall Flue/Vent Pipe And Fittings (23 51 16)****23 51 16 00-0002 Round Galvanized Double Wall Flue/Vent Pipe (23 51 16 00-0001)**

23 51 16 00-0003	LF	3" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	24.43	8.01
		Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
		<i>For Aluminum Liner, Add</i>	0.25	
		<i>For 304 Stainless Steel Liner, Add</i>	0.33	
		<i>For 2" Wall Instead Of 1", Add</i>	3.34	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	6.00	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
Central Heating Equipment			23 50	
Breechings, Chimneys, and Stacks			23 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51	16 00-0004	LF	4" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	26.10 0.30 0.41 3.70 6.59	8.46
23 51	16 00-0005	LF	5" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	28.74 0.36 0.49 4.17 7.37	9.00
23 51	16 00-0006	LF	6" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	31.24 0.41 0.56 4.63 8.13	9.63
23 51	16 00-0007	LF	7" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	36.23 0.61 0.83 5.84 10.02	10.25
23 51	16 00-0008	LF	8" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	40.26 0.68 0.92 6.49 11.13	11.07
23 51	16 00-0009	LF	10" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	56.25 1.43 1.95 10.84 17.76	11.88
23 51	16 00-0010	LF	12" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	67.69 1.92 2.62 13.76 22.28	13.14
23 51	16 00-0011	LF	14" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	92.97 3.23 4.40 21.04 33.27	13.67
23 51	16 00-0012	LF	16" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	114.96 4.35 5.94 27.32 42.78	14.40
23 51	16 00-0013	LF	18" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	140.40 5.62 7.67 34.48 53.64	15.12
23 51	16 00-0014	LF	20" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	180.60 6.67 9.10 42.33 66.46	24.02
23 51	16 00-0015	LF	22" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	217.02 8.42 11.48 52.30 81.65	25.37
23 51	16 00-0016	LF	24" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	256.63 10.37 14.15 63.39 98.48	26.99
23 51	16 00-0017	LF	26" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	296.49 12.48 17.01 75.02 116.01	27.89

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0018	LF	28" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	310.67	28.79
		For Aluminum Liner, Add	13.13	
		For 304 Stainless Steel Liner, Add	17.90	
		For 2" Wall Instead Of 1", Add	78.81	
		For 3" To 4" Wall Instead Of 1", Add	121.82	
23 51 16 00-0019	LF	30" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	330.27	30.86
		For Aluminum Liner, Add	13.93	
		For 304 Stainless Steel Liner, Add	18.99	
		For 2" Wall Instead Of 1", Add	83.68	
		For 3" To 4" Wall Instead Of 1", Add	129.36	
23 51 16 00-0020	LF	32" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add	372.70	32.03
		For 304 Stainless Steel Liner, Add	16.10	
		For 2" Wall Instead Of 1", Add	21.96	
		For 3" To 4" Wall Instead Of 1", Add	95.83	
		For 3" To 4" Wall Instead Of 1", Add	147.74	
23 51 16 00-0021	LF	34" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add	416.65	33.20
		For 304 Stainless Steel Liner, Add	18.35	
		For 2" Wall Instead Of 1", Add	25.03	
		For 3" To 4" Wall Instead Of 1", Add	108.40	
		For 3" To 4" Wall Instead Of 1", Add	166.75	
23 51 16 00-0022	LF	36" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add	438.43	34.55
		For 304 Stainless Steel Liner, Add	19.37	
		For 2" Wall Instead Of 1", Add	26.41	
		For 3" To 4" Wall Instead Of 1", Add	114.28	
		For 3" To 4" Wall Instead Of 1", Add	175.73	
23 51 16 00-0023	LF	38" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add	474.98	35.98
		For 304 Stainless Steel Liner, Add	21.18	
		For 2" Wall Instead Of 1", Add	28.88	
		For 3" To 4" Wall Instead Of 1", Add	124.52	
		For 3" To 4" Wall Instead Of 1", Add	191.28	
23 51 16 00-0024	LF	40" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add	522.49	37.52
		For 304 Stainless Steel Liner, Add	23.58	
		For 2" Wall Instead Of 1", Add	32.15	
		For 3" To 4" Wall Instead Of 1", Add	137.98	
		For 3" To 4" Wall Instead Of 1", Add	211.66	
23 51 16 00-0025	LF	42" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add	546.61	39.22
		For 304 Stainless Steel Liner, Add	24.66	
		For 2" Wall Instead Of 1", Add	33.63	
		For 3" To 4" Wall Instead Of 1", Add	144.35	
		For 3" To 4" Wall Instead Of 1", Add	221.43	
23 51 16 00-0026	LF	44" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add	604.04	41.12
		For 304 Stainless Steel Liner, Add	27.57	
		For 2" Wall Instead Of 1", Add	37.59	
		For 3" To 4" Wall Instead Of 1", Add	160.64	
		For 3" To 4" Wall Instead Of 1", Add	246.11	
23 51 16 00-0027	LF	46" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add	655.33	43.19
		For 304 Stainless Steel Liner, Add	30.10	
		For 2" Wall Instead Of 1", Add	41.05	
		For 3" To 4" Wall Instead Of 1", Add	175.01	
		For 3" To 4" Wall Instead Of 1", Add	267.91	
23 51 16 00-0028	LF	48" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add	720.12	45.44
		For 304 Stainless Steel Liner, Add	33.37	
		For 2" Wall Instead Of 1", Add	45.50	
		For 3" To 4" Wall Instead Of 1", Add	193.35	
		For 3" To 4" Wall Instead Of 1", Add	295.70	
23 51 16 00-0029		90 Degree Elbows (23 51 16 00-0001)		
23 51 16 00-0030	EA	3" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add	60.09	16.01
		For 304 Stainless Steel Liner, Add	1.12	
		For 2" Wall Instead Of 1", Add	1.53	
		For 3" To 4" Wall Instead Of 1", Add	10.10	
		For 3" To 4" Wall Instead Of 1", Add	17.13	
23 51 16 00-0031	EA	4" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add	66.30	16.91
		For 304 Stainless Steel Liner, Add	1.33	
		For 2" Wall Instead Of 1", Add	1.81	
		For 3" To 4" Wall Instead Of 1", Add	11.45	
		For 3" To 4" Wall Instead Of 1", Add	19.29	
23 51 16 00-0032	EA	5" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add	73.58	17.99
		For 304 Stainless Steel Liner, Add	1.58	
		For 2" Wall Instead Of 1", Add	2.16	
		For 3" To 4" Wall Instead Of 1", Add	13.12	
		For 3" To 4" Wall Instead Of 1", Add	21.92	
23 51 16 00-0033	EA	6" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add	81.05	19.16
		For 304 Stainless Steel Liner, Add	1.84	
		For 2" Wall Instead Of 1", Add	2.51	
		For 3" To 4" Wall Instead Of 1", Add	14.80	
		For 3" To 4" Wall Instead Of 1", Add	24.58	
23 51 16 00-0034	EA	7" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add	95.75	20.51
		For 304 Stainless Steel Liner, Add	2.46	
		For 2" Wall Instead Of 1", Add	3.36	
		For 3" To 4" Wall Instead Of 1", Add	18.53	
		For 3" To 4" Wall Instead Of 1", Add	30.34	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
Central Heating Equipment			23 50	
Breechings, Chimneys, and Stacks			23 51	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
23 51 16 00-0035	EA	8" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	111.38	22.13
		For Aluminum Liner, Add	3.08	
		For 304 Stainless Steel Liner, Add	4.20	
		For 2" Wall Instead Of 1", Add	22.35	
		For 3" To 4" Wall Instead Of 1", Add	36.29	
23 51 16 00-0036	EA	10" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	189.08	24.02
		For Aluminum Liner, Add	7.09	
		For 304 Stainless Steel Liner, Add	9.67	
		For 2" Wall Instead Of 1", Add	44.69	
		For 3" To 4" Wall Instead Of 1", Add	70.05	
23 51 16 00-0037	EA	12" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	227.95	26.18
		For Aluminum Liner, Add	8.94	
		For 304 Stainless Steel Liner, Add	12.19	
		For 2" Wall Instead Of 1", Add	55.31	
		For 3" To 4" Wall Instead Of 1", Add	86.23	
23 51 16 00-0038	EA	14" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	293.33	27.44
		For Aluminum Liner, Add	12.36	
		For 304 Stainless Steel Liner, Add	16.86	
		For 2" Wall Instead Of 1", Add	74.29	
		For 3" To 4" Wall Instead Of 1", Add	114.86	
23 51 16 00-0039	EA	16" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	358.83	28.79
		For Aluminum Liner, Add	15.79	
		For 304 Stainless Steel Liner, Add	21.53	
		For 2" Wall Instead Of 1", Add	93.28	
		For 3" To 4" Wall Instead Of 1", Add	143.52	
23 51 16 00-0040	EA	18" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	461.49	30.32
		For Aluminum Liner, Add	21.21	
		For 304 Stainless Steel Liner, Add	28.92	
		For 2" Wall Instead Of 1", Add	123.28	
		For 3" To 4" Wall Instead Of 1", Add	188.71	
23 51 16 00-0041	EA	20" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	652.53	47.95
		For Aluminum Liner, Add	29.29	
		For 304 Stainless Steel Liner, Add	39.94	
		For 2" Wall Instead Of 1", Add	171.76	
		For 3" To 4" Wall Instead Of 1", Add	263.64	
23 51 16 00-0042	EA	22" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	855.79	50.83
		For Aluminum Liner, Add	40.08	
		For 304 Stainless Steel Liner, Add	54.65	
		For 2" Wall Instead Of 1", Add	231.32	
		For 3" To 4" Wall Instead Of 1", Add	353.34	
23 51 16 00-0043	EA	24" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	964.70	53.98
		For Aluminum Liner, Add	45.63	
		For 304 Stainless Steel Liner, Add	62.22	
		For 2" Wall Instead Of 1", Add	262.39	
		For 3" To 4" Wall Instead Of 1", Add	400.35	
23 51 16 00-0044		45 Degree Elbows (23 51 16 00-0001)		
23 51 16 00-0045	EA	3" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	51.71	16.01
		For Aluminum Liner, Add	0.65	
		For 304 Stainless Steel Liner, Add	0.88	
		For 2" Wall Instead Of 1", Add	7.53	
		For 3" To 4" Wall Instead Of 1", Add	13.28	
23 51 16 00-0046	EA	4" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	56.24	16.91
		For Aluminum Liner, Add	0.76	
		For 304 Stainless Steel Liner, Add	1.04	
		For 2" Wall Instead Of 1", Add	8.40	
		For 3" To 4" Wall Instead Of 1", Add	14.72	
23 51 16 00-0047	EA	5" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	61.32	17.99
		For Aluminum Liner, Add	0.90	
		For 304 Stainless Steel Liner, Add	1.22	
		For 2" Wall Instead Of 1", Add	9.40	
		For 3" To 4" Wall Instead Of 1", Add	16.35	
23 51 16 00-0048	EA	6" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	67.52	19.16
		For Aluminum Liner, Add	1.08	
		For 304 Stainless Steel Liner, Add	1.47	
		For 2" Wall Instead Of 1", Add	10.66	
		For 3" To 4" Wall Instead Of 1", Add	18.39	
23 51 16 00-0049	EA	7" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	79.41	20.51
		For Aluminum Liner, Add	1.54	
		For 304 Stainless Steel Liner, Add	2.10	
		For 2" Wall Instead Of 1", Add	13.55	
		For 3" To 4" Wall Instead Of 1", Add	22.89	
23 51 16 00-0050	EA	8" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	87.55	22.13
		For Aluminum Liner, Add	1.77	
		For 304 Stainless Steel Liner, Add	2.42	
		For 2" Wall Instead Of 1", Add	15.20	
		For 3" To 4" Wall Instead Of 1", Add	25.57	
23 51 16 00-0051	EA	10" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	140.58	24.02
		For Aluminum Liner, Add	4.43	
		For 304 Stainless Steel Liner, Add	6.04	
		For 2" Wall Instead Of 1", Add	30.17	
		For 3" To 4" Wall Instead Of 1", Add	48.26	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0052 EA 12" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	167.01	26.18
For Aluminum Liner, Add	5.59	
For 304 Stainless Steel Liner, Add	7.62	
For 2" Wall Instead Of 1", Add	37.02	
For 3" To 4" Wall Instead Of 1", Add	58.80	
23 51 16 00-0053 EA 14" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	211.51	27.44
For Aluminum Liner, Add	7.86	
For 304 Stainless Steel Liner, Add	10.72	
For 2" Wall Instead Of 1", Add	49.74	
For 3" To 4" Wall Instead Of 1", Add	78.04	
23 51 16 00-0054 EA 16" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	251.32	28.79
For Aluminum Liner, Add	9.87	
For 304 Stainless Steel Liner, Add	13.45	
For 2" Wall Instead Of 1", Add	61.01	
For 3" To 4" Wall Instead Of 1", Add	95.11	
23 51 16 00-0055 EA 18" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	316.80	30.32
For Aluminum Liner, Add	13.26	
For 304 Stainless Steel Liner, Add	18.08	
For 2" Wall Instead Of 1", Add	79.89	
For 3" To 4" Wall Instead Of 1", Add	123.62	
23 51 16 00-0056 EA 20" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	391.50	47.86
For Aluminum Liner, Add	14.95	
For 304 Stainless Steel Liner, Add	20.39	
For 2" Wall Instead Of 1", Add	93.52	
For 3" To 4" Wall Instead Of 1", Add	146.27	
23 51 16 00-0057 EA 22" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	536.27	50.83
For Aluminum Liner, Add	22.51	
For 304 Stainless Steel Liner, Add	30.69	
For 2" Wall Instead Of 1", Add	135.47	
For 3" To 4" Wall Instead Of 1", Add	209.55	
23 51 16 00-0058 EA 24" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	653.37	53.98
For Aluminum Liner, Add	28.52	
For 304 Stainless Steel Liner, Add	38.89	
For 2" Wall Instead Of 1", Add	169.04	
For 3" To 4" Wall Instead Of 1", Add	260.30	
23 51 16 00-0059 EA 26" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,162.37	55.78
For Aluminum Liner, Add	56.27	
For 304 Stainless Steel Liner, Add	76.73	
For 2" Wall Instead Of 1", Add	320.84	
For 3" To 4" Wall Instead Of 1", Add	488.23	
23 51 16 00-0060 EA 28" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,194.88	57.57
For Aluminum Liner, Add	57.81	
For 304 Stainless Steel Liner, Add	78.83	
For 2" Wall Instead Of 1", Add	329.69	
For 3" To 4" Wall Instead Of 1", Add	501.73	
23 51 16 00-0061 EA 30" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,259.94	61.18
For Aluminum Liner, Add	60.89	
For 304 Stainless Steel Liner, Add	83.03	
For 2" Wall Instead Of 1", Add	347.41	
For 3" To 4" Wall Instead Of 1", Add	528.76	
23 51 16 00-0062 EA 32" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,404.57	62.97
For Aluminum Liner, Add	68.60	
For 304 Stainless Steel Liner, Add	93.54	
For 2" Wall Instead Of 1", Add	389.90	
For 3" To 4" Wall Instead Of 1", Add	592.72	
23 51 16 00-0063 EA 34" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,532.67	66.57
For Aluminum Liner, Add	75.15	
For 304 Stainless Steel Liner, Add	102.48	
For 2" Wall Instead Of 1", Add	426.54	
For 3" To 4" Wall Instead Of 1", Add	648.12	
23 51 16 00-0064 EA 36" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,581.19	71.97
For Aluminum Liner, Add	77.08	
For 304 Stainless Steel Liner, Add	105.10	
For 2" Wall Instead Of 1", Add	438.40	
For 3" To 4" Wall Instead Of 1", Add	666.58	
23 51 16 00-0065 EA 38" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,692.58	74.49
For Aluminum Liner, Add	82.86	
For 304 Stainless Steel Liner, Add	112.99	
For 2" Wall Instead Of 1", Add	470.55	
For 3" To 4" Wall Instead Of 1", Add	715.14	
23 51 16 00-0066 EA 40" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,800.39	75.57
For Aluminum Liner, Add	88.64	
For 304 Stainless Steel Liner, Add	120.87	
For 2" Wall Instead Of 1", Add	502.36	
For 3" To 4" Wall Instead Of 1", Add	762.97	
23 51 16 00-0067 EA 42" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,879.44	79.17
For Aluminum Liner, Add	92.49	
For 304 Stainless Steel Liner, Add	126.12	
For 2" Wall Instead Of 1", Add	524.27	
For 3" To 4" Wall Instead Of 1", Add	796.30	
23 51 16 00-0068 EA 44" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,993.54	82.77
For Aluminum Liner, Add	98.27	
For 304 Stainless Steel Liner, Add	134.01	
For 2" Wall Instead Of 1", Add	556.71	
For 3" To 4" Wall Instead Of 1", Add	845.40	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
Central Heating Equipment			23 50
Breechings, Chimneys, and Stacks			23 51

23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0069	EA		46" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,142.65	86.36
			For Aluminum Liner, Add	105.98	
			For 304 Stainless Steel Liner, Add	144.52	
			For 2" Wall Instead Of 1", Add	599.64	
			For 3" To 4" Wall Instead Of 1", Add	910.25	
23 51 16 00-0070	EA		48" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,221.71	89.96
			For Aluminum Liner, Add	109.83	
			For 304 Stainless Steel Liner, Add	149.77	
			For 2" Wall Instead Of 1", Add	621.56	
			For 3" To 4" Wall Instead Of 1", Add	943.58	
23 51 16 00-0071 Tees (23 51 16 00-0001)					
23 51 16 00-0072	EA		3" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	82.12	21.32
			For Aluminum Liner, Add	1.58	
			For 304 Stainless Steel Liner, Add	2.15	
			For 2" Wall Instead Of 1", Add	13.96	
			For 3" To 4" Wall Instead Of 1", Add	23.61	
23 51 16 00-0073	EA		4" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	85.45	22.13
			For Aluminum Liner, Add	1.66	
			For 304 Stainless Steel Liner, Add	2.26	
			For 2" Wall Instead Of 1", Add	14.57	
			For 3" To 4" Wall Instead Of 1", Add	24.62	
23 51 16 00-0074	EA		5" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	89.11	23.03
			For Aluminum Liner, Add	1.73	
			For 304 Stainless Steel Liner, Add	2.36	
			For 2" Wall Instead Of 1", Add	15.22	
			For 3" To 4" Wall Instead Of 1", Add	25.70	
23 51 16 00-0075	EA		6" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	95.04	24.02
			For Aluminum Liner, Add	1.93	
			For 304 Stainless Steel Liner, Add	2.63	
			For 2" Wall Instead Of 1", Add	16.51	
			For 3" To 4" Wall Instead Of 1", Add	27.77	
23 51 16 00-0076	EA		7" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	110.96	25.01
			For Aluminum Liner, Add	2.66	
			For 304 Stainless Steel Liner, Add	3.63	
			For 2" Wall Instead Of 1", Add	20.77	
			For 3" To 4" Wall Instead Of 1", Add	34.28	
23 51 16 00-0077	EA		8" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	118.64	26.18
			For Aluminum Liner, Add	2.93	
			For 304 Stainless Steel Liner, Add	3.99	
			For 2" Wall Instead Of 1", Add	22.51	
			For 3" To 4" Wall Instead Of 1", Add	37.04	
23 51 16 00-0078	EA		10" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	212.89	27.44
			For Aluminum Liner, Add	7.94	
			For 304 Stainless Steel Liner, Add	10.83	
			For 2" Wall Instead Of 1", Add	50.16	
			For 3" To 4" Wall Instead Of 1", Add	78.66	
23 51 16 00-0079	EA		12" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	245.71	28.79
			For Aluminum Liner, Add	9.56	
			For 304 Stainless Steel Liner, Add	13.03	
			For 2" Wall Instead Of 1", Add	59.33	
			For 3" To 4" Wall Instead Of 1", Add	92.58	
23 51 16 00-0080	EA		14" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	363.03	32.03
			For Aluminum Liner, Add	15.57	
			For 304 Stainless Steel Liner, Add	21.23	
			For 2" Wall Instead Of 1", Add	92.92	
			For 3" To 4" Wall Instead Of 1", Add	143.38	
23 51 16 00-0081	EA		16" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	490.71	35.98
			For Aluminum Liner, Add	22.04	
			For 304 Stainless Steel Liner, Add	30.06	
			For 2" Wall Instead Of 1", Add	129.23	
			For 3" To 4" Wall Instead Of 1", Add	198.34	
23 51 16 00-0082	EA		18" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	607.29	41.12
			For Aluminum Liner, Add	27.75	
			For 304 Stainless Steel Liner, Add	37.84	
			For 2" Wall Instead Of 1", Add	161.63	
			For 3" To 4" Wall Instead Of 1", Add	247.58	
23 51 16 00-0083	EA		20" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	806.59	50.83
			For Aluminum Liner, Add	37.38	
			For 304 Stainless Steel Liner, Add	50.98	
			For 2" Wall Instead Of 1", Add	216.59	
			For 3" To 4" Wall Instead Of 1", Add	331.24	
23 51 16 00-0084	EA		22" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,013.81	66.39
			For Aluminum Liner, Add	46.63	
			For 304 Stainless Steel Liner, Add	63.59	
			For 2" Wall Instead Of 1", Add	270.95	
			For 3" To 4" Wall Instead Of 1", Add	414.72	
23 51 16 00-0085	EA		24" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,163.41	70.17
			For Aluminum Liner, Add	54.34	
			For 304 Stainless Steel Liner, Add	74.10	
			For 2" Wall Instead Of 1", Add	313.94	
			For 3" To 4" Wall Instead Of 1", Add	479.67	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0086	EA		26" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,590.38	75.57
			For Aluminum Liner, Add	77.08	
			For 304 Stainless Steel Liner, Add	105.10	
			For 2" Wall Instead Of 1", Add	439.31	
			For 3" To 4" Wall Instead Of 1", Add	668.42	
23 51 16 00-0087	EA		28" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,772.80	78.54
			For Aluminum Liner, Add	86.71	
			For 304 Stainless Steel Liner, Add	118.24	
			For 2" Wall Instead Of 1", Add	492.59	
			For 3" To 4" Wall Instead Of 1", Add	748.70	
23 51 16 00-0088	EA		30" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,923.60	82.77
			For Aluminum Liner, Add	94.42	
			For 304 Stainless Steel Liner, Add	128.75	
			For 2" Wall Instead Of 1", Add	535.70	
			For 3" To 4" Wall Instead Of 1", Add	813.89	
23 51 16 00-0089	EA		32" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,212.80	86.36
			For Aluminum Liner, Add	109.83	
			For 304 Stainless Steel Liner, Add	149.77	
			For 2" Wall Instead Of 1", Add	620.67	
			For 3" To 4" Wall Instead Of 1", Add	941.80	
23 51 16 00-0090	EA		34" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,256.91	89.96
			For Aluminum Liner, Add	111.76	
			For 304 Stainless Steel Liner, Add	152.40	
			For 2" Wall Instead Of 1", Add	632.09	
			For 3" To 4" Wall Instead Of 1", Add	959.38	
23 51 16 00-0091	EA		36" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,622.37	95.99
			For Aluminum Liner, Add	131.03	
			For 304 Stainless Steel Liner, Add	178.68	
			For 2" Wall Instead Of 1", Add	738.71	
			For 3" To 4" Wall Instead Of 1", Add	1,120.06	
23 51 16 00-0092	EA		38" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,687.38	107.95
			For Aluminum Liner, Add	132.96	
			For 304 Stainless Steel Liner, Add	181.30	
			For 2" Wall Instead Of 1", Add	752.21	
			For 3" To 4" Wall Instead Of 1", Add	1,141.82	
23 51 16 00-0093	EA		40" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,936.10	123.43
			For Aluminum Liner, Add	144.52	
			For 304 Stainless Steel Liner, Add	197.07	
			For 2" Wall Instead Of 1", Add	819.13	
			For 3" To 4" Wall Instead Of 1", Add	1,244.12	
23 51 16 00-0094	EA		42" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,232.68	143.95
			For Aluminum Liner, Add	158.01	
			For 304 Stainless Steel Liner, Add	215.46	
			For 2" Wall Instead Of 1", Add	897.83	
			For 3" To 4" Wall Instead Of 1", Add	1,364.74	
23 51 16 00-0095	EA		44" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,522.58	161.94
			For Aluminum Liner, Add	171.49	
			For 304 Stainless Steel Liner, Add	233.86	
			For 2" Wall Instead Of 1", Add	975.87	
			For 3" To 4" Wall Instead Of 1", Add	1,484.03	
23 51 16 00-0096	EA		46" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,851.43	167.34
			For Aluminum Liner, Add	188.84	
			For 304 Stainless Steel Liner, Add	257.50	
			For 2" Wall Instead Of 1", Add	1,071.82	
			For 3" To 4" Wall Instead Of 1", Add	1,628.63	
23 51 16 00-0097	EA		48" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	4,075.27	172.73
			For Aluminum Liner, Add	200.40	
			For 304 Stainless Steel Liner, Add	273.27	
			For 2" Wall Instead Of 1", Add	1,136.24	
			For 3" To 4" Wall Instead Of 1", Add	1,725.95	
23 51 16 00-0098			Vent Top Caps (23 51 16 00-0001)		
23 51 16 00-0099	EA		3" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	42.15	12.50
			For Aluminum Liner, Add	0.60	
			For 304 Stainless Steel Liner, Add	0.81	
			For 2" Wall Instead Of 1", Add	6.39	
			For 3" To 4" Wall Instead Of 1", Add	11.15	
23 51 16 00-0100	EA		4" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	44.16	13.14
			For Aluminum Liner, Add	0.63	
			For 304 Stainless Steel Liner, Add	0.86	
			For 2" Wall Instead Of 1", Add	6.70	
			For 3" To 4" Wall Instead Of 1", Add	11.69	
23 51 16 00-0101	EA		6" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	55.81	14.40
			For Aluminum Liner, Add	1.09	
			For 304 Stainless Steel Liner, Add	1.49	
			For 2" Wall Instead Of 1", Add	9.55	
			For 3" To 4" Wall Instead Of 1", Add	16.12	
23 51 16 00-0102	EA		8" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	59.77	16.01
			For Aluminum Liner, Add	1.09	
			For 304 Stainless Steel Liner, Add	1.49	
			For 2" Wall Instead Of 1", Add	9.94	
			For 3" To 4" Wall Instead Of 1", Add	16.91	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
Central Heating Equipment			23 50	
Breechings, Chimneys, and Stacks			23 51	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
23 51 16 00-0103	EA	10" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	71.51	16.91
		For Aluminum Liner, Add	1.61	
		For 304 Stainless Steel Liner, Add	2.19	
		For 2" Wall Instead Of 1", Add	13.00	
		For 3" To 4" Wall Instead Of 1", Add	21.61	
23 51 16 00-0104	EA	12" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	83.52	17.99
		For Aluminum Liner, Add	2.12	
		For 304 Stainless Steel Liner, Add	2.89	
		For 2" Wall Instead Of 1", Add	16.06	
		For 3" To 4" Wall Instead Of 1", Add	26.34	
23 51 16 00-0105	EA	16" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	186.60	20.51
		For Aluminum Liner, Add	7.44	
		For 304 Stainless Steel Liner, Add	10.14	
		For 2" Wall Instead Of 1", Add	45.71	
		For 3" To 4" Wall Instead Of 1", Add	71.13	
23 51 16 00-0106	EA	18" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	341.71	25.73
		For Aluminum Liner, Add	15.26	
		For 304 Stainless Steel Liner, Add	20.81	
		For 2" Wall Instead Of 1", Add	89.67	
		For 3" To 4" Wall Instead Of 1", Add	137.71	
23 51 16 00-0107	EA	20" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	623.64	30.86
		For Aluminum Liner, Add	30.06	
		For 304 Stainless Steel Liner, Add	40.99	
		For 2" Wall Instead Of 1", Add	171.67	
		For 3" To 4" Wall Instead Of 1", Add	261.36	
23 51 16 00-0108	EA	24" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	1,032.88	43.19
		For Aluminum Liner, Add	50.87	
		For 304 Stainless Steel Liner, Add	69.37	
		For 2" Wall Instead Of 1", Add	288.27	
		For 3" To 4" Wall Instead Of 1", Add	437.80	
23 51 16 00-0109	EA	26" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	1,514.97	45.44
		For Aluminum Liner, Add	77.08	
		For 304 Stainless Steel Liner, Add	105.10	
		For 2" Wall Instead Of 1", Add	431.77	
		For 3" To 4" Wall Instead Of 1", Add	653.34	
23 51 16 00-0110	EA	28" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	1,696.50	47.95
		For Aluminum Liner, Add	86.71	
		For 304 Stainless Steel Liner, Add	118.24	
		For 2" Wall Instead Of 1", Add	484.96	
		For 3" To 4" Wall Instead Of 1", Add	733.44	
23 51 16 00-0111	EA	30" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	1,913.83	50.83
		For Aluminum Liner, Add	98.27	
		For 304 Stainless Steel Liner, Add	134.01	
		For 2" Wall Instead Of 1", Add	548.74	
		For 3" To 4" Wall Instead Of 1", Add	829.46	
23 51 16 00-0112	EA	32" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	2,026.86	53.98
		For Aluminum Liner, Add	104.05	
		For 304 Stainless Steel Liner, Add	141.89	
		For 2" Wall Instead Of 1", Add	581.06	
		For 3" To 4" Wall Instead Of 1", Add	878.34	
23 51 16 00-0113	EA	34" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	2,140.95	57.57
		For Aluminum Liner, Add	109.83	
		For 304 Stainless Steel Liner, Add	149.77	
		For 2" Wall Instead Of 1", Add	613.49	
		For 3" To 4" Wall Instead Of 1", Add	927.43	
23 51 16 00-0114	EA	36" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	2,291.25	61.71
		For Aluminum Liner, Add	117.54	
		For 304 Stainless Steel Liner, Add	160.28	
		For 2" Wall Instead Of 1", Add	656.55	
		For 3" To 4" Wall Instead Of 1", Add	992.53	
23 51 16 00-0115		Wall Thimbles (23 51 16 00-0001)		
23 51 16 00-0116	EA	3" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	18.06	6.75
		For Aluminum Liner, Add	0.07	
		For 304 Stainless Steel Liner, Add	0.09	
		For 2" Wall Instead Of 1", Add	2.05	
		For 3" To 4" Wall Instead Of 1", Add	3.92	
23 51 16 00-0117	EA	4" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	22.95	8.64
		For Aluminum Liner, Add	0.07	
		For 304 Stainless Steel Liner, Add	0.10	
		For 2" Wall Instead Of 1", Add	2.55	
		For 3" To 4" Wall Instead Of 1", Add	4.91	
23 51 16 00-0118	EA	5" Or 6" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	30.59	11.60
		For Aluminum Liner, Add	0.09	
		For 304 Stainless Steel Liner, Add	0.12	
		For 2" Wall Instead Of 1", Add	3.37	
		For 3" To 4" Wall Instead Of 1", Add	6.51	
23 51 16 00-0119	EA	7" Or 8" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	38.21	14.40
		For Aluminum Liner, Add	0.12	
		For 304 Stainless Steel Liner, Add	0.17	
		For 2" Wall Instead Of 1", Add	4.27	
		For 3" To 4" Wall Instead Of 1", Add	8.20	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0120	EA		10" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	54.32	19.43
			For Aluminum Liner, Add	0.32	
			For 304 Stainless Steel Liner, Add	0.43	
			For 2" Wall Instead Of 1", Add	6.58	
			For 3" To 4" Wall Instead Of 1", Add	12.30	
23 51 16 00-0121	EA		12" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	68.41	24.11
			For Aluminum Liner, Add	0.45	
			For 304 Stainless Steel Liner, Add	0.61	
			For 2" Wall Instead Of 1", Add	8.47	
			For 3" To 4" Wall Instead Of 1", Add	15.71	
23 51 16 00-0122	EA		14" Or 16" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	85.75	28.79
			For Aluminum Liner, Add	0.76	
			For 304 Stainless Steel Liner, Add	1.03	
			For 2" Wall Instead Of 1", Add	11.33	
			For 3" To 4" Wall Instead Of 1", Add	20.60	
23 51 16 00-0123	EA		18" Or 20" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	110.12	34.19
			For Aluminum Liner, Add	1.36	
			For 304 Stainless Steel Liner, Add	1.85	
			For 2" Wall Instead Of 1", Add	15.94	
			For 3" To 4" Wall Instead Of 1", Add	28.19	
23 51 16 00-0124	EA		22" Or 24" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	144.04	37.79
			For Aluminum Liner, Add	2.73	
			For 304 Stainless Steel Liner, Add	3.72	
			For 2" Wall Instead Of 1", Add	24.32	
			For 3" To 4" Wall Instead Of 1", Add	41.20	
23 51 16 00-0125 Adjustable Roof Flashing (23 51 16 00-0001)					
23 51 16 00-0126	EA		3" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe.....	48.01	16.01
			For Aluminum Liner, Add	0.44	
			For 304 Stainless Steel Liner, Add	0.60	
			For 2" Wall Instead Of 1", Add	6.41	
			For 3" To 4" Wall Instead Of 1", Add	11.62	
23 51 16 00-0127	EA		4" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe.....	52.73	16.91
			For Aluminum Liner, Add	0.57	
			For 304 Stainless Steel Liner, Add	0.78	
			For 2" Wall Instead Of 1", Add	7.35	
			For 3" To 4" Wall Instead Of 1", Add	13.14	
23 51 16 00-0128	EA		6" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe.....	65.33	19.16
			For Aluminum Liner, Add	0.96	
			For 304 Stainless Steel Liner, Add	1.30	
			For 2" Wall Instead Of 1", Add	10.01	
			For 3" To 4" Wall Instead Of 1", Add	17.41	
23 51 16 00-0129	EA		8" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe.....	79.07	22.13
			For Aluminum Liner, Add	1.31	
			For 304 Stainless Steel Liner, Add	1.78	
			For 2" Wall Instead Of 1", Add	12.66	
			For 3" To 4" Wall Instead Of 1", Add	21.75	
23 51 16 00-0130	EA		10" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe.....	125.17	24.02
			For Aluminum Liner, Add	3.58	
			For 304 Stainless Steel Liner, Add	4.89	
			For 2" Wall Instead Of 1", Add	25.55	
			For 3" To 4" Wall Instead Of 1", Add	41.32	
23 51 16 00-0131	EA		12" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe.....	148.07	26.18
			For Aluminum Liner, Add	4.55	
			For 304 Stainless Steel Liner, Add	6.20	
			For 2" Wall Instead Of 1", Add	31.34	
			For 3" To 4" Wall Instead Of 1", Add	50.28	
23 51 16 00-0132	EA		14" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe.....	173.57	28.79
			For Aluminum Liner, Add	5.59	
			For 304 Stainless Steel Liner, Add	7.62	
			For 2" Wall Instead Of 1", Add	37.68	
			For 3" To 4" Wall Instead Of 1", Add	60.11	
23 51 16 00-0133	EA		16" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe.....	206.19	32.03
			For Aluminum Liner, Add	6.94	
			For 304 Stainless Steel Liner, Add	9.46	
			For 2" Wall Instead Of 1", Add	45.84	
			For 3" To 4" Wall Instead Of 1", Add	72.77	
23 51 16 00-0134	EA		18" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe.....	307.21	35.98
			For Aluminum Liner, Add	11.95	
			For 304 Stainless Steel Liner, Add	16.29	
			For 2" Wall Instead Of 1", Add	74.16	
			For 3" To 4" Wall Instead Of 1", Add	115.74	
23 51 16 00-0135	EA		20" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe.....	341.37	47.95
			For Aluminum Liner, Add	12.18	
			For 304 Stainless Steel Liner, Add	16.61	
			For 2" Wall Instead Of 1", Add	78.42	
			For 3" To 4" Wall Instead Of 1", Add	123.63	
23 51 16 00-0136	EA		22" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe.....	434.54	61.71
			For Aluminum Liner, Add	15.42	
			For 304 Stainless Steel Liner, Add	21.02	
			For 2" Wall Instead Of 1", Add	99.51	
			For 3" To 4" Wall Instead Of 1", Add	156.98	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
Central Heating Equipment			23 50
Breechings, Chimneys, and Stacks			23 51

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
23 51 16 00-0137	EA	24" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	516.26	71.97
		For Aluminum Liner, Add	18.50	
		For 304 Stainless Steel Liner, Add	25.22	
		For 2" Wall Instead Of 1", Add	118.89	
		For 3" To 4" Wall Instead Of 1", Add	187.33	
23 51 16 00-0138		Galvanized Storm Collars (23 51 16 00-0001)		
23 51 16 00-0139	EA	3" Round Galvanized Storm Collar, Double Wall	19.15	6.75
		For Aluminum Liner, Add	0.13	
		For 304 Stainless Steel Liner, Add	0.17	
		For 2" Wall Instead Of 1", Add	2.38	
		For 3" To 4" Wall Instead Of 1", Add	4.41	
23 51 16 00-0140	EA	4" Round Galvanized Storm Collar, Double Wall	24.26	8.64
		For Aluminum Liner, Add	0.15	
		For 304 Stainless Steel Liner, Add	0.20	
		For 2" Wall Instead Of 1", Add	2.96	
		For 3" To 4" Wall Instead Of 1", Add	5.52	
23 51 16 00-0141	EA	5" Round Galvanized Storm Collar, Double Wall	28.52	10.08
		For Aluminum Liner, Add	0.18	
		For 304 Stainless Steel Liner, Add	0.25	
		For 2" Wall Instead Of 1", Add	3.52	
		For 3" To 4" Wall Instead Of 1", Add	6.53	
23 51 16 00-0142	EA	6" Round Galvanized Storm Collar, Double Wall	32.78	11.51
		For Aluminum Liner, Add	0.22	
		For 304 Stainless Steel Liner, Add	0.30	
		For 2" Wall Instead Of 1", Add	4.08	
		For 3" To 4" Wall Instead Of 1", Add	7.55	
23 51 16 00-0143	EA	7" Or 8" Round Galvanized Storm Collar, Double Wall	41.30	14.40
		For Aluminum Liner, Add	0.29	
		For 304 Stainless Steel Liner, Add	0.40	
		For 2" Wall Instead Of 1", Add	5.19	
		For 3" To 4" Wall Instead Of 1", Add	9.59	
23 51 16 00-0144	EA	10" Round Galvanized Storm Collar, Double Wall	56.90	19.43
		For Aluminum Liner, Add	0.46	
		For 304 Stainless Steel Liner, Add	0.62	
		For 2" Wall Instead Of 1", Add	7.35	
		For 3" To 4" Wall Instead Of 1", Add	13.46	
23 51 16 00-0145	EA	12" Round Galvanized Storm Collar, Double Wall	70.27	24.11
		For Aluminum Liner, Add	0.55	
		For 304 Stainless Steel Liner, Add	0.75	
		For 2" Wall Instead Of 1", Add	9.03	
		For 3" To 4" Wall Instead Of 1", Add	16.55	
23 51 16 00-0146	EA	14" Or 16" Round Galvanized Storm Collar, Double Wall	88.92	28.79
		For Aluminum Liner, Add	0.93	
		For 304 Stainless Steel Liner, Add	1.27	
		For 2" Wall Instead Of 1", Add	12.28	
		For 3" To 4" Wall Instead Of 1", Add	22.02	
23 51 16 00-0147	EA	18" Or 20" Round Galvanized Storm Collar, Double Wall	116.16	34.19
		For Aluminum Liner, Add	1.69	
		For 304 Stainless Steel Liner, Add	2.30	
		For 2" Wall Instead Of 1", Add	17.76	
		For 3" To 4" Wall Instead Of 1", Add	30.91	
23 51 16 00-0148	EA	22" Or 24" Round Galvanized Storm Collar, Double Wall	159.14	37.79
		For Aluminum Liner, Add	3.56	
		For 304 Stainless Steel Liner, Add	4.85	
		For 2" Wall Instead Of 1", Add	28.85	
		For 3" To 4" Wall Instead Of 1", Add	48.00	
23 51 16 00-0149		Oval Galvanized Double Wall Flue/Vent Pipe And Fittings (23 51 16)		
23 51 16 00-0150		Oval Galvanized Double Wall Flue/Vent Pipe (23 51 16 00-0149)		
23 51 16 00-0151	LF	4" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	31.19	8.46
		For 2" Wall Instead Of 1", Add	5.13	
		For 3" To 4" Wall Instead Of 1", Add	8.75	
23 51 16 00-0152	LF	5" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	34.25	9.00
		For 2" Wall Instead Of 1", Add	5.81	
		For 3" To 4" Wall Instead Of 1", Add	9.83	
23 51 16 00-0153	LF	6" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	37.85	9.63
		For 2" Wall Instead Of 1", Add	6.55	
		For 3" To 4" Wall Instead Of 1", Add	11.03	
23 51 16 00-0154		45 Degree Elbows (23 51 16 00-0149)		
23 51 16 00-0155	EA	4" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	67.95	17.55
		For 2" Wall Instead Of 1", Add	11.61	
		For 3" To 4" Wall Instead Of 1", Add	19.61	
23 51 16 00-0156	EA	5" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	79.31	20.51
		For 2" Wall Instead Of 1", Add	13.54	
		For 3" To 4" Wall Instead Of 1", Add	22.87	
23 51 16 00-0157	EA	6" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	93.98	23.21
		For 2" Wall Instead Of 1", Add	16.59	
		For 3" To 4" Wall Instead Of 1", Add	27.78	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0158 EA 4" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	69.16	17.55
For 2" Wall Instead Of 1", Add	11.97	
For 3" To 4" Wall Instead Of 1", Add	20.15	
23 51 16 00-0159 EA 5" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	82.23	20.51
For 2" Wall Instead Of 1", Add	14.41	
For 3" To 4" Wall Instead Of 1", Add	24.18	
23 51 16 00-0160 EA 6" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	95.87	23.21
For 2" Wall Instead Of 1", Add	17.15	
For 3" To 4" Wall Instead Of 1", Add	28.63	
23 51 16 00-0161 Tees (23 51 16 00-0149)		
23 51 16 00-0162 EA 4" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe.....	112.55	26.63
For 2" Wall Instead Of 1", Add	20.44	
For 3" To 4" Wall Instead Of 1", Add	33.99	
23 51 16 00-0163 EA 4" Short Snout Oval Flue/Vent Tee, Galvanized Double Wall Breech/Smoke Pipe.....	114.44	26.63
For 2" Wall Instead Of 1", Add	21.00	
For 3" To 4" Wall Instead Of 1", Add	34.84	
23 51 16 00-0164 EA 5" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe.....	131.49	30.58
For 2" Wall Instead Of 1", Add	24.15	
For 3" To 4" Wall Instead Of 1", Add	40.05	
23 51 16 00-0165 EA 6" Oval Flue/Vent Tee With Round Coupling, Galvanized Double Wall Breech/Smoke Pipe.....	150.16	34.28
For 2" Wall Instead Of 1", Add	27.91	
For 3" To 4" Wall Instead Of 1", Add	46.15	
23 51 16 00-0166 Tops/Caps And Adjustable Flashing (23 51 16 00-0149)		
23 51 16 00-0167 EA 4" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe.....	42.48	8.64
For 2" Wall Instead Of 1", Add	8.41	
For 3" To 4" Wall Instead Of 1", Add	13.70	
23 51 16 00-0168 EA 6" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe.....	65.56	11.60
For 2" Wall Instead Of 1", Add	13.86	
For 3" To 4" Wall Instead Of 1", Add	22.25	
23 51 16 00-0169 EA 4" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe.....	35.08	8.64
For 2" Wall Instead Of 1", Add	6.19	
For 3" To 4" Wall Instead Of 1", Add	10.37	
23 51 16 00-0170 EA 6" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe.....	58.60	11.60
For 2" Wall Instead Of 1", Add	11.78	
For 3" To 4" Wall Instead Of 1", Add	19.12	
23 51 16 00-0171 Storm Collars (23 51 16 00-0149)		
23 51 16 00-0172 EA 4" Oval Galvanized Storm Collar, Double Wall.....	24.26	8.64
For 2" Wall Instead Of 1", Add	2.96	
For 3" To 4" Wall Instead Of 1", Add	5.52	
23 51 16 00-0173 EA 5" Oval Galvanized Storm Collar, Double Wall.....	28.52	10.08
For 2" Wall Instead Of 1", Add	3.52	
For 3" To 4" Wall Instead Of 1", Add	6.53	
23 51 16 00-0174 EA 6" Oval Galvanized Storm Collar, Double Wall.....	32.78	11.51
For 2" Wall Instead Of 1", Add	4.08	
For 3" To 4" Wall Instead Of 1", Add	7.55	
23 51 16 00-0175 Round Double Wall Flue/Vent Pipe And Fittings (23 51 16)		
Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
23 51 16 00-0176 Round Double Wall Flue/Vent Pipe (23 51 16 00-0175)		
Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
23 51 16 00-0177 LF 6" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	89.24	9.63
For 316 Stainless Steel, Add	10.43	
For 2" Insulated Wall Instead Of 1" Thickness, Add	6.52	
For 3" Insulated Wall Instead Of 1" Thickness, Add	13.04	
23 51 16 00-0178 LF 8" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	107.32	11.07
For 316 Stainless Steel, Add	12.74	
For 2" Insulated Wall Instead Of 1" Thickness, Add	7.96	
For 3" Insulated Wall Instead Of 1" Thickness, Add	15.92	
23 51 16 00-0179 LF 10" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	119.14	11.97
For 316 Stainless Steel, Add	14.27	
For 2" Insulated Wall Instead Of 1" Thickness, Add	8.92	
For 3" Insulated Wall Instead Of 1" Thickness, Add	17.84	
23 51 16 00-0180 LF 12" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	134.37	13.05
For 316 Stainless Steel, Add	16.27	
For 2" Insulated Wall Instead Of 1" Thickness, Add	10.17	
For 3" Insulated Wall Instead Of 1" Thickness, Add	20.33	
23 51 16 00-0181 LF 14" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	151.28	13.67
For 316 Stainless Steel, Add	18.72	
For 2" Insulated Wall Instead Of 1" Thickness, Add	11.70	
For 3" Insulated Wall Instead Of 1" Thickness, Add	23.40	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
Central Heating Equipment			23 50
Breechings, Chimneys, and Stacks			23 51

23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0182	LF		16" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket For 316 Stainless Steel, Add For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	159.76 19.79 12.37 24.74	14.40
23 51 16 00-0183	LF		18" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket For 316 Stainless Steel, Add For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	176.98 22.25 13.91 27.81	15.21
23 51 16 00-0184	LF		20" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket For 316 Stainless Steel, Add For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	219.21 25.47 15.92 31.84	24.02
23 51 16 00-0185	LF		24" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket For 316 Stainless Steel, Add For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	272.72 32.84 20.52 41.05	26.99
23 51 16 00-0186	LF		28" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket For 316 Stainless Steel, Add For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	307.86 37.75 23.59 47.18	28.79
23 51 16 00-0187	LF		32" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket For 316 Stainless Steel, Add For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	344.57 42.35 26.47 52.94	31.94
23 51 16 00-0188	LF		36" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket For 316 Stainless Steel, Add For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	383.55 47.57 29.73 59.46	34.55
23 51 16 00-0189	LF		42" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket For 316 Stainless Steel, Add For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	437.85 54.32 33.95 67.90	39.31
23 51 16 00-0190	LF		48" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket For 316 Stainless Steel, Add For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	512.76 63.83 39.90 79.79	45.52
23 51 16 00-0191			90 Degree Elbows (23 51 16 00-0175)		
23 51 16 00-0192	EA		6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket For 316 Stainless Steel, Add For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	419.85 74.04 37.02 74.04	19.88
23 51 16 00-0193	EA		8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket For 316 Stainless Steel, Add For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	463.86 81.71 40.85 81.71	22.13
23 51 16 00-0194	EA		10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket For 316 Stainless Steel, Add For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	528.04 93.60 46.80 93.60	24.02
23 51 16 00-0195	EA		12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket For 316 Stainless Steel, Add For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	596.70 106.26 53.13 106.26	26.18
23 51 16 00-0196	EA		14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket For 316 Stainless Steel, Add For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	691.92 124.67 62.34 124.67	27.44
23 51 16 00-0197	EA		16" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket For 316 Stainless Steel, Add For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	762.44 138.10 69.05 138.10	28.79
23 51 16 00-0198	EA		18" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket For 316 Stainless Steel, Add For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	881.31 161.11 80.56 161.11	30.32

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0199	EA	20" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,021.43	47.95
		For 316 Stainless Steel, Add	180.29	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	90.15	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	180.29	
23 51 16 00-0200	EA	24" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,256.99	53.98
		For 316 Stainless Steel, Add	224.41	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	112.20	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	224.41	
23 51 16 00-0201	EA	28" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,524.92	57.57
		For 316 Stainless Steel, Add	276.19	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	138.10	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	276.19	
23 51 16 00-0202	EA	32" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	2,014.65	61.62
		For 316 Stainless Steel, Add	372.10	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	186.05	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	372.10	
23 51 16 00-0203	EA	36" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	2,289.75	71.97
		For 316 Stainless Steel, Add	421.96	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	210.98	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	421.96	
23 51 16 00-0204	EA	42" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	3,360.96	78.54
		For 316 Stainless Steel, Add	632.95	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	316.47	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	632.95	
23 51 16 00-0205	EA	48" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	4,195.80	86.36
		For 316 Stainless Steel, Add	795.98	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	397.99	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	795.98	
23 51 16 00-0206		45 Degree Elbows (23 51 16 00-0175)		
23 51 16 00-0207	EA	6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	280.03	19.16
		For 316 Stainless Steel, Add	46.42	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	23.21	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	46.42	
23 51 16 00-0208	EA	8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	320.01	22.13
		For 316 Stainless Steel, Add	52.94	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	26.47	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	52.94	
23 51 16 00-0209	EA	10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	355.39	24.02
		For 316 Stainless Steel, Add	59.07	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	29.54	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	59.07	
23 51 16 00-0210	EA	12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	404.90	26.18
		For 316 Stainless Steel, Add	67.90	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	33.95	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	67.90	
23 51 16 00-0211	EA	14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	456.00	27.44
		For 316 Stainless Steel, Add	77.49	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	38.74	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	77.49	
23 51 16 00-0212	EA	16" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	511.18	28.79
		For 316 Stainless Steel, Add	87.85	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	43.92	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	87.85	
23 51 16 00-0213	EA	18" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	572.51	30.32
		For 316 Stainless Steel, Add	99.35	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	49.68	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	99.35	
23 51 16 00-0214	EA	20" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	687.69	47.95
		For 316 Stainless Steel, Add	113.55	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	56.77	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	113.55	
23 51 16 00-0215	EA	24" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	863.80	53.98
		For 316 Stainless Steel, Add	145.77	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	72.89	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	145.77	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
Central Heating Equipment			23 50
Breechings, Chimneys, and Stacks			23 51

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0216	EA		28" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	968.70	57.57
			For 316 Stainless Steel, Add	164.95	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	82.48	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	164.95	
23 51 16 00-0217	EA		32" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,257.03	61.62
			For 316 Stainless Steel, Add	220.57	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	110.29	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	220.57	
23 51 16 00-0218	EA		36" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,666.39	71.97
			For 316 Stainless Steel, Add	297.29	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	148.65	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	297.29	
23 51 16 00-0219	EA		42" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,210.15	78.54
			For 316 Stainless Steel, Add	402.78	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	201.39	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	402.78	
23 51 16 00-0220	EA		48" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,949.11	86.36
			For 316 Stainless Steel, Add	546.64	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	273.32	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	546.64	
23 51 16 00-0221			Tees (23 51 16 00-0175)		
23 51 16 00-0222	EA		6" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	303.63	24.02
			For 316 Stainless Steel, Add	53.59	
			For Tee Cap, Add	69.73	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	24.36	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	48.72	
23 51 16 00-0223	EA		8" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	345.44	26.18
			For 316 Stainless Steel, Add	61.61	
			For Tee Cap, Add	78.90	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	28.00	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	56.01	
23 51 16 00-0224	EA		10" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	396.51	27.44
			For 316 Stainless Steel, Add	72.16	
			For Tee Cap, Add	89.58	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	32.80	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	65.60	
23 51 16 00-0225	EA		12" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	455.55	28.79
			For 316 Stainless Steel, Add	84.39	
			For Tee Cap, Add	101.90	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	38.36	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	76.72	
23 51 16 00-0226	EA		14" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	532.62	32.03
			For 316 Stainless Steel, Add	99.58	
			For Tee Cap, Add	118.52	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	45.27	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	90.53	
23 51 16 00-0227	EA		16" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	598.17	35.98
			For 316 Stainless Steel, Add	111.82	
			For Tee Cap, Add	133.12	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	50.83	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	101.65	
23 51 16 00-0228	EA		18" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	697.32	41.12
			For 316 Stainless Steel, Add	130.81	
			For Tee Cap, Add	154.87	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	59.46	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	118.92	
23 51 16 00-0229	EA		20" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	798.31	50.83
			For 316 Stainless Steel, Add	147.69	
			For Tee Cap, Add	178.71	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	67.13	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	134.26	
23 51 16 00-0230	EA		24" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,014.27	71.97
			For 316 Stainless Steel, Add	183.55	
			For Tee Cap, Add	229.84	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	83.43	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	166.87	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0231	EA	28" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,231.96	78.54
		For 316 Stainless Steel, Add	227.86	
		For Tee Cap, Add	275.83	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	103.57	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	207.15	
23 51 16 00-0232	EA	32" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,635.24	86.36
		For 316 Stainless Steel, Add	312.25	
		For Tee Cap, Add	359.43	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	141.93	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	283.87	
23 51 16 00-0233	EA	36" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,822.40	95.99
		For 316 Stainless Steel, Add	348.12	
		For Tee Cap, Add	400.48	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	158.24	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	316.47	
23 51 16 00-0234	EA	42" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	2,901.23	143.95
		For 316 Stainless Steel, Add	559.10	
		For Tee Cap, Add	634.23	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	254.14	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	508.27	
23 51 16 00-0235	EA	48" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	3,644.53	172.73
		For 316 Stainless Steel, Add	706.79	
		For Tee Cap, Add	793.68	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	321.27	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	642.54	
23 51 16 00-0236		Bellows (23 51 16 00-0175)		
23 51 16 00-0237	EA	6" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	573.49	19.16
		For 2" Insulated Wall Instead Of 1" Thickness, Add	52.55	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	105.11	
23 51 16 00-0238	EA	8" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	624.97	22.13
		For 2" Insulated Wall Instead Of 1" Thickness, Add	56.97	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	113.93	
23 51 16 00-0239	EA	10" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	683.40	24.02
		For 2" Insulated Wall Instead Of 1" Thickness, Add	62.34	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	124.67	
23 51 16 00-0240	EA	12" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	755.90	26.18
		For 2" Insulated Wall Instead Of 1" Thickness, Add	69.05	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	138.10	
23 51 16 00-0241	EA	14" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	845.36	27.44
		For 2" Insulated Wall Instead Of 1" Thickness, Add	77.68	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	155.36	
23 51 16 00-0242	EA	16" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	935.06	28.79
		For 2" Insulated Wall Instead Of 1" Thickness, Add	86.31	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	172.62	
23 51 16 00-0243	EA	18" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,044.34	30.32
		For 2" Insulated Wall Instead Of 1" Thickness, Add	96.86	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	193.72	
23 51 16 00-0244	EA	20" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,213.21	47.95
		For 2" Insulated Wall Instead Of 1" Thickness, Add	109.33	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	218.65	
23 51 16 00-0245	EA	24" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,496.75	53.98
		For 2" Insulated Wall Instead Of 1" Thickness, Add	136.18	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	272.36	
23 51 16 00-0246	EA	28" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,678.37	57.57
		For 2" Insulated Wall Instead Of 1" Thickness, Add	153.44	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	306.88	
23 51 16 00-0247	EA	32" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,918.84	61.71
		For 2" Insulated Wall Instead Of 1" Thickness, Add	176.46	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	352.92	
23 51 16 00-0248	EA	36" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	2,193.86	71.97
		For 2" Insulated Wall Instead Of 1" Thickness, Add	201.39	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	402.78	
23 51 16 00-0249	EA	42" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	2,785.57	78.54
		For 2" Insulated Wall Instead Of 1" Thickness, Add	258.93	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	517.86	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
Central Heating Equipment			23 50
Breechings, Chimneys, and Stacks			23 51

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MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0250	EA	48" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,380.66	86.36	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	316.47		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	632.95		
23 51 16 00-0251 Ventilated Roof Thimbles (23 51 16 00-0175)					
23 51 16 00-0252	EA	6" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	381.41	22.13	
		For 316 Stainless Steel, Add	32.61		
23 51 16 00-0253	EA	8" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	414.49	26.18	
		For 316 Stainless Steel, Add	34.91		
23 51 16 00-0254	EA	10" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	453.63	28.79	
		For 316 Stainless Steel, Add	38.17		
23 51 16 00-0255	EA	12" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	490.47	32.03	
		For 316 Stainless Steel, Add	41.05		
23 51 16 00-0256	EA	14" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	623.66	33.91	
		For 316 Stainless Steel, Add	53.90		
23 51 16 00-0257	EA	16" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	557.94	35.98	
		For 316 Stainless Steel, Add	46.80		
23 51 16 00-0258	EA	18" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	600.45	38.41	
		For 316 Stainless Steel, Add	50.44		
23 51 16 00-0259	EA	20" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	675.84	53.98	
		For 316 Stainless Steel, Add	54.09		
23 51 16 00-0260	EA	24" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	758.24	61.62	
		For 316 Stainless Steel, Add	60.42		
23 51 16 00-0261	EA	28" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	866.06	66.39	
		For 316 Stainless Steel, Add	70.01		
23 51 16 00-0262	EA	32" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	966.20	71.88	
		For 316 Stainless Steel, Add	78.64		
23 51 16 00-0263	EA	36" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,078.89	86.27	
		For 316 Stainless Steel, Add	86.31		
23 51 16 00-0264	EA	42" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,381.02	95.90	
		For 316 Stainless Steel, Add	114.12		
23 51 16 00-0265	EA	48" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,708.22	107.86	
		For 316 Stainless Steel, Add	143.85		
23 51 16 00-0266 Exit Cones (23 51 16 00-0175)					
23 51 16 00-0267	EA	6" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	263.41	12.50	
23 51 16 00-0268	EA	8" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	277.87	13.67	
23 51 16 00-0269	EA	10" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	298.75	14.40	
23 51 16 00-0270	EA	12" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	312.16	15.12	
23 51 16 00-0271	EA	14" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	343.85	15.56	
23 51 16 00-0272	EA	16" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	375.56	15.92	
23 51 16 00-0273	EA	18" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	455.38	16.47	
23 51 16 00-0274	EA	20" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	570.05	30.86	
23 51 16 00-0275	EA	24" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	715.98	33.20	
23 51 16 00-0276	EA	28" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	853.58	34.55	
23 51 16 00-0277	EA	32" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,048.98	35.98	
23 51 16 00-0278	EA	36" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,191.45	39.31	
23 51 16 00-0279	EA	42" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,503.00	41.12	
23 51 16 00-0280	EA	48" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,920.49	43.19	
23 51 16 00-0281 Vent Top Caps (23 51 16 00-0175)					

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0282	EA	6" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	288.26	12.50
23 51 16 00-0283	EA	8" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	333.49	13.67
23 51 16 00-0284	EA	10" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	386.95	14.40
23 51 16 00-0285	EA	12" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	444.47	15.12
23 51 16 00-0286	EA	14" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	518.35	15.56
23 51 16 00-0287	EA	16" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	588.51	16.01
23 51 16 00-0288	EA	18" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	654.89	16.47
23 51 16 00-0289	EA	20" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	786.71	30.86
23 51 16 00-0290	EA	24" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	936.54	33.20
23 51 16 00-0291	EA	28" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,016.56	34.55
23 51 16 00-0292	EA	32" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,154.41	35.98
23 51 16 00-0293	EA	36" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,344.78	39.22
23 51 16 00-0294	EA	42" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,637.19	41.12
23 51 16 00-0295	EA	48" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,901.25	43.19
23 51 16 00-0296 Roof Support Assemblies (23 51 16 00-0175)				
23 51 16 00-0297	EA	6" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	435.35	23.03
		For 316 Stainless Steel, Add	75.57	
23 51 16 00-0298	EA	8" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	480.93	27.44
		For 316 Stainless Steel, Add	82.47	
23 51 16 00-0299	EA	10" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	528.35	30.32
		For 316 Stainless Steel, Add	90.53	
23 51 16 00-0300	EA	12" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	564.12	33.82
		For 316 Stainless Steel, Add	95.90	
23 51 16 00-0301	EA	14" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	628.92	35.98
		For 316 Stainless Steel, Add	107.79	
23 51 16 00-0302	EA	16" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	667.55	38.41
		For 316 Stainless Steel, Add	114.31	
23 51 16 00-0303	EA	18" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	716.67	41.21
		For 316 Stainless Steel, Add	122.75	
23 51 16 00-0304	EA	20" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	796.08	57.57
		For 316 Stainless Steel, Add	130.43	
23 51 16 00-0305	EA	24" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	894.95	66.48
		For 316 Stainless Steel, Add	145.77	
23 51 16 00-0306	EA	28" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,033.45	71.97
		For 316 Stainless Steel, Add	170.70	
23 51 16 00-0307	EA	32" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,231.98	78.54
		For 316 Stainless Steel, Add	207.15	
23 51 16 00-0308	EA	36" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,429.20	95.99
		For 316 Stainless Steel, Add	237.83	
23 51 16 00-0309	EA	42" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	2,130.35	107.95
		For 316 Stainless Steel, Add	372.10	
23 51 16 00-0310	EA	48" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	2,608.45	122.71
		For 316 Stainless Steel, Add	460.32	
23 51 16 00-0311 Round Stainless Steel Double Wall Flue/Vent Pipe And Fittings (23 51 16)				
Note: With 1" insulation.				
23 51 16 00-0312 Round Stainless Steel Double Wall Flue/Vent Pipe (23 51 16 00-0311)				
Note: With 1" insulation.				
23 51 16 00-0313	LF	6" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	77.73	9.63
		For 2" Insulated Wall Instead Of 1" Thickness, Add	5.37	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	10.74	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Central Heating Equipment

23 50

Breechings, Chimneys, and Stacks

23 51

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0314 LF 7" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe..... For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	94.77 6.91 13.81	10.25
23 51 16 00-0315 LF 8" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe..... For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	108.28 8.06 16.11	11.07
23 51 16 00-0316 LF 10" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe..... For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	146.91 11.70 23.40	11.97
23 51 16 00-0317 LF 12" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe..... For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	190.02 15.73 31.46	13.14
23 51 16 00-0318 LF 14" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe..... For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	241.51 20.72 41.43	13.76
23 51 16 00-0319 90 Degree Elbows (23 51 16 00-0311)		
23 51 16 00-0320 EA 6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	167.87 11.99 23.98	19.16
23 51 16 00-0321 EA 7" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	185.63 13.43 26.85	20.51
23 51 16 00-0322 EA 8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	208.79 15.34 30.69	22.13
23 51 16 00-0323 EA 10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	259.48 19.95 39.89	24.02
23 51 16 00-0324 EA 12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	309.01 24.36 48.72	26.18
23 51 16 00-0325 EA 14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	360.05 29.15 58.31	27.44
23 51 16 00-0326 45 Degree Elbows (23 51 16 00-0311)		
23 51 16 00-0327 EA 6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	137.90 8.99 17.98	19.16
23 51 16 00-0328 EA 7" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	152.06 10.07 20.14	20.51
23 51 16 00-0329 EA 8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	170.44 11.51 23.02	22.13
23 51 16 00-0330 EA 10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	209.62 14.96 29.92	24.02
23 51 16 00-0331 EA 12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	248.09 18.27 36.54	26.18
23 51 16 00-0332 EA 14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	287.20 21.87 43.73	27.44
23 51 16 00-0333 Tees With Tee Caps (23 51 16 00-0311)		
23 51 16 00-0334 EA 6" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe..... For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	274.27 22.63 45.27	19.16
23 51 16 00-0335 EA 7" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe..... For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	346.74 29.54 59.07	20.51
23 51 16 00-0336 EA 8" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe..... For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	389.06 33.37 66.75	22.13
23 51 16 00-0337 EA 10" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe..... For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	529.86 46.99 93.98	24.02
23 51 16 00-0338 EA 12" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe..... For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	727.10 66.17 132.34	26.18
23 51 16 00-0339 EA 14" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe..... For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	931.60 86.31 172.62	27.44
23 51 16 00-0340 Joist Shields (23 51 16 00-0311)		
23 51 16 00-0341 EA 6" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe.....	117.00	19.16
23 51 16 00-0342 EA 7" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe.....	126.17	20.51
23 51 16 00-0343 EA 8" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe.....	147.38	22.13

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0344	EA	10" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe.....	183.75	24.02	
23 51 16 00-0345	EA	12" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe.....	219.80	26.18	
23 51 16 00-0346	EA	14" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe.....	260.31	27.44	
23 51 16 00-0347 Adjustable Roof Flashing (23 51 16 00-0311)					
23 51 16 00-0348	EA	6" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe.....	139.06	19.16	
23 51 16 00-0349	EA	7" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe.....	154.93	20.51	
23 51 16 00-0350	EA	8" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe.....	168.47	22.13	
23 51 16 00-0351	EA	10" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe.....	204.83	24.02	
23 51 16 00-0352	EA	12" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe.....	252.47	26.18	
23 51 16 00-0353	EA	14" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe.....	302.48	27.34	
23 51 16 00-0354 Vent Top Caps (23 51 16 00-0311)					
23 51 16 00-0355	EA	6" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe.....	124.67	19.16	
23 51 16 00-0356	EA	7" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe.....	155.89	20.51	
23 51 16 00-0357	EA	8" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe.....	195.34	22.13	
23 51 16 00-0358	EA	10" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe.....	311.31	24.02	
23 51 16 00-0359	EA	12" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe.....	424.12	26.18	
23 51 16 00-0360	EA	14" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe.....	540.36	27.44	
23 51 16 00-0361 Roof Support Assemblies (23 51 16 00-0311)					
23 51 16 00-0362	EA	6" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe.....	185.02	19.16	
23 51 16 00-0363	EA	7" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe.....	205.76	20.51	
23 51 16 00-0364	EA	8" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe.....	223.14	22.13	
23 51 16 00-0365	EA	10" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe.....	280.54	24.02	
23 51 16 00-0366	EA	12" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe.....	332.01	26.18	
23 51 16 00-0367	EA	14" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe.....	406.10	27.44	
23 51 16 00-0368 Polyvinyl Chloride (PVC) Flue/Vent Accessories (23 51 16)					
23 51 16 00-0369 Concentric Polyvinyl Chloride (PVC) Vent Termination (23 51 16 00-0368)					
23 51 16 00-0370	EA	2" Concentric Polyvinyl Chloride (PVC) Vent Termination.....	167.40	36.62	
23 51 16 00-0371	EA	3" Concentric Polyvinyl Chloride (PVC) Vent Termination.....	180.86	36.62	
23 51 16 00-0372 Polypropylene (PP) Flue/Vent Pipe And Fittings (23 51 16)					
Note: Centrotherm InnoFlue® Vent System					
23 51 16 00-0373 Polypropylene Flue/Vent Rigid Pipe Sections (23 51 16 00-0372)					
Note: Gasketed rigid single wall polypropylene vent lengths with dedicated male and female ends.					
23 51 16 00-0374	EA	2" x 12" Polypropylene Flue/Vent Rigid Pipe Section.....	33.16	11.13	
23 51 16 00-0375	EA	2" x 24" Polypropylene Flue/Vent Rigid Pipe Section.....	37.43	11.71	
23 51 16 00-0376	EA	2" x 36" Polypropylene Flue/Vent Rigid Pipe Section.....	42.79	13.02	
23 51 16 00-0377	EA	2" x 72" Polypropylene Flue/Vent Rigid Pipe Section.....	52.90	15.31	
23 51 16 00-0378	EA	3" x 12" Polypropylene Flue/Vent Rigid Pipe Section.....	39.68	12.75	
23 51 16 00-0379	EA	3" x 24" Polypropylene Flue/Vent Rigid Pipe Section.....	47.35	13.43	
23 51 16 00-0380	EA	3" x 36" Polypropylene Flue/Vent Rigid Pipe Section.....	57.68	14.92	
23 51 16 00-0381	EA	3" x 72" Polypropylene Flue/Vent Rigid Pipe Section.....	71.08	17.56	
23 51 16 00-0382	EA	4" x 12" Polypropylene Flue/Vent Rigid Pipe Section.....	64.44	16.88	
23 51 16 00-0383	EA	4" x 24" Polypropylene Flue/Vent Rigid Pipe Section.....	75.50	17.76	
23 51 16 00-0384	EA	4" x 36" Polypropylene Flue/Vent Rigid Pipe Section.....	93.24	19.74	
23 51 16 00-0385	EA	4" x 72" Polypropylene Flue/Vent Rigid Pipe Section.....	120.16	23.22	
23 51 16 00-0386	EA	5" x 12" Polypropylene Flue/Vent Rigid Pipe Section.....	95.55	24.91	
23 51 16 00-0387	EA	5" x 24" Polypropylene Flue/Vent Rigid Pipe Section.....	108.63	26.21	
23 51 16 00-0388	EA	5" x 36" Polypropylene Flue/Vent Rigid Pipe Section.....	139.87	29.13	
23 51 16 00-0389	EA	5" x 72" Polypropylene Flue/Vent Rigid Pipe Section.....	180.84	34.28	
23 51 16 00-0390 Polypropylene Flue/Vent Elbows (23 51 16 00-0372)					
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.					
23 51 16 00-0391	EA	2" Polypropylene Flue/Vent 15 Degree Elbow.....	40.92	13.52	
23 51 16 00-0392	EA	3" Polypropylene Flue/Vent 15 Degree Elbow.....	47.43	14.23	
23 51 16 00-0393	EA	4" Polypropylene Flue/Vent 15 Degree Elbow.....	58.39	14.75	
23 51 16 00-0394	EA	5" Polypropylene Flue/Vent 15 Degree Elbow.....	67.30	15.36	
23 51 16 00-0395	EA	2" Polypropylene Flue/Vent 30 Degree Elbow.....	40.92	13.52	
23 51 16 00-0396	EA	3" Polypropylene Flue/Vent 30 Degree Elbow.....	47.43	14.23	
23 51 16 00-0397	EA	4" Polypropylene Flue/Vent 30 Degree Elbow.....	58.39	14.75	
23 51 16 00-0398	EA	5" Polypropylene Flue/Vent 30 Degree Elbow.....	67.30	15.36	
23 51 16 00-0399	EA	2" Polypropylene Flue/Vent 45 Degree Elbow.....	40.92	13.52	
23 51 16 00-0400	EA	3" Polypropylene Flue/Vent 45 Degree Elbow.....	47.43	14.23	
23 51 16 00-0401	EA	4" Polypropylene Flue/Vent 45 Degree Elbow.....	58.39	14.75	
23 51 16 00-0402	EA	5" Polypropylene Flue/Vent 45 Degree Elbow.....	67.30	15.36	
23 51 16 00-0403	EA	2" Polypropylene Flue/Vent 87 Degree Elbow.....	40.92	13.52	
23 51 16 00-0404	EA	3" Polypropylene Flue/Vent 87 Degree Elbow.....	47.43	14.23	
23 51 16 00-0405	EA	4" Polypropylene Flue/Vent 87 Degree Elbow.....	57.72	14.75	
23 51 16 00-0406	EA	5" Polypropylene Flue/Vent 87 Degree Elbow.....	68.95	15.36	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Central Heating Equipment

23 50

Breechings, Chimneys, and Stacks

23 51

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0407 Polypropylene Flue/Vent Tees (23 51 16 00-0372) Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0408 EA 2" Polypropylene Flue/Vent Tee.....	121.12	20.29
23 51 16 00-0409 EA 3" Polypropylene Flue/Vent Tee.....	151.02	21.36
23 51 16 00-0410 EA 4" Polypropylene Flue/Vent Tee.....	176.38	22.13
23 51 16 00-0411 EA 5" Polypropylene Flue/Vent Tee.....	192.65	23.03
23 51 16 00-0412 Polypropylene Flue/Vent Adaptors (23 51 16 00-0372) Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0413 EA 2" Polypropylene Flue/Vent Adaptor With Gasket.....	47.44	13.52
23 51 16 00-0414 EA 3" Polypropylene Flue/Vent Adaptor With Gasket.....	66.42	14.23
23 51 16 00-0415 EA 4" Polypropylene Flue/Vent Adaptor With Gasket.....	76.77	14.75
23 51 16 00-0416 EA 5" Polypropylene Flue/Vent Adaptor With Gasket.....	103.23	15.36
23 51 16 00-0417 Polypropylene Flue/Vent Increases (23 51 16 00-0372) Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0418 EA 2" to 3" Polypropylene Flue/Vent Centric Increaser.....	52.24	13.88
23 51 16 00-0419 EA 3" to 4" Polypropylene Flue/Vent Centric Increaser.....	56.99	14.49
23 51 16 00-0420 EA 4" to 5" Polypropylene Flue/Vent Centric Increaser.....	99.15	15.05
23 51 16 00-0421 EA 2" to 3" Polypropylene Flue/Vent Eccentric Increaser.....	68.97	13.88
23 51 16 00-0422 EA 3" to 4" Polypropylene Flue/Vent Eccentric Increaser.....	55.62	14.49
23 51 16 00-0423 EA 4" to 5" Polypropylene Flue/Vent Eccentric Increaser.....	134.89	15.05
23 51 16 00-0424 Polypropylene Flue/Vent Reducers (23 51 16 00-0372) Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0425 EA 3" to 2" Polypropylene Flue/Vent Reducer.....	52.24	13.88
23 51 16 00-0426 EA 4" to 3" Polypropylene Flue/Vent Reducer.....	56.99	14.49
23 51 16 00-0427 EA 5" to 4" Polypropylene Flue/Vent Reducer.....	121.43	15.05
23 51 16 00-0428 Polypropylene Flue/Vent Test Ports (23 51 16 00-0372) Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0429 EA 2" Polypropylene Flue/Vent Test Port.....	67.07	20.29
23 51 16 00-0430 EA 3" Polypropylene Flue/Vent Test Port.....	74.82	21.36
23 51 16 00-0431 EA 4" Polypropylene Flue/Vent Test Port.....	111.28	22.13
23 51 16 00-0432 EA 5" Polypropylene Flue/Vent Test Port.....	118.64	23.03
23 51 16 00-0433 Polypropylene Flue/Vent Cascade Components (23 51 16 00-0372) Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0434 EA 4" x 15" Polypropylene Flue/Vent Branch Tee With 4" Feeder.....	179.38	22.13
23 51 16 00-0435 EA 4" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder.....	234.53	27.67
23 51 16 00-0436 EA 5" x 12" Polypropylene Flue/Vent Branch Tee With 4" Feeder.....	149.02	23.03
23 51 16 00-0437 EA 5" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder.....	219.12	28.79
23 51 16 00-0438 EA 3" to 4" Polypropylene Flue/Vent Non-Return Valve.....	224.76	14.49
23 51 16 00-0439 EA 4" to 4" Polypropylene Flue/Vent Non-Return Valve.....	259.69	15.05
23 51 16 00-0440 Polypropylene Flue/Vent Condensate Management (23 51 16 00-0372) Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0441 EA 2" Polypropylene Flue/Vent Horizontal Drain Tee.....	89.66	20.29
23 51 16 00-0442 EA 3" Polypropylene Flue/Vent Horizontal Drain Tee.....	107.40	21.36
23 51 16 00-0443 EA 4" Polypropylene Flue/Vent Horizontal Drain Tee.....	122.29	22.13
23 51 16 00-0444 EA 5" Polypropylene Flue/Vent Horizontal Drain Tee.....	138.86	23.03
23 51 16 00-0445 EA 4" Polypropylene Flue/Vent Horizontal Drain Fittings.....	152.86	22.13
23 51 16 00-0446 EA 5" Polypropylene Flue/Vent Horizontal Drain Fittings.....	168.11	23.03
23 51 16 00-0447 EA 2" Polypropylene Flue/Vent Tee Cap.....	50.16	6.76
23 51 16 00-0448 EA 3" Polypropylene Flue/Vent Tee Cap.....	63.92	7.11
23 51 16 00-0449 EA 4" Polypropylene Flue/Vent Tee Cap.....	75.63	7.38
23 51 16 00-0450 EA 5" Polypropylene Flue/Vent Tee Cap.....	98.17	7.68
23 51 16 00-0451 EA 2" Polypropylene Flue/Vent Tee Cap With Drain.....	99.44	20.29
23 51 16 00-0452 EA 3" Polypropylene Flue/Vent Tee Cap With Drain.....	120.96	21.36
23 51 16 00-0453 EA 4" Polypropylene Flue/Vent Tee Cap With Drain.....	139.11	22.13
23 51 16 00-0454 EA 5" Polypropylene Flue/Vent Tee Cap With Drain.....	166.50	23.03
23 51 16 00-0455 Polypropylene Flue/Vent Terminations (23 51 16 00-0372)		
23 51 16 00-0456 EA 2" Polypropylene-UV Black Flue/Vent Chimney Cover.....	125.31	13.52
23 51 16 00-0457 EA 3" Polypropylene-UV Black Flue/Vent Chimney Cover.....	111.25	14.23
23 51 16 00-0458 EA 4" Polypropylene-UV Black Flue/Vent Chimney Cover.....	138.29	14.75
23 51 16 00-0459 EA 3" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe.....	277.57	14.23
23 51 16 00-0460 EA 4" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe.....	296.25	14.75
23 51 16 00-0461 EA 5" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe.....	345.24	15.36
23 51 16 00-0462 EA 2"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	75.71	13.52
23 51 16 00-0463 EA 2"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	79.90	13.52
23 51 16 00-0464 EA 2"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	84.08	13.52
23 51 16 00-0465 EA 2"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	88.27	13.52
23 51 16 00-0466 EA 3"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	81.68	14.23

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 51 16 00-0467	EA	3"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	85.86	14.23
23 51 16 00-0468	EA	3"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	90.05	14.23
23 51 16 00-0469	EA	3"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	94.24	14.23
23 51 16 00-0470	EA	4"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	91.35	14.75
23 51 16 00-0471	EA	4"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	95.54	14.75
23 51 16 00-0472	EA	4"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	99.73	14.75
23 51 16 00-0473	EA	2" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	79.85	13.52
23 51 16 00-0474	EA	3" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	101.37	14.23
23 51 16 00-0475	EA	2" Polypropylene-UV Black Flue/Vent Termination Tee	94.21	20.29
23 51 16 00-0476	EA	3" Polypropylene-UV Black Flue/Vent Termination Tee	122.43	21.36
23 51 16 00-0477	EA	4" Polypropylene-UV Black Flue/Vent Termination Tee	143.80	22.13
23 51 16 00-0478	EA	5" Polypropylene-UV Black Flue/Vent Termination Tee	158.02	23.03
23 51 16 00-0479	EA	2" x 20" Polypropylene-UV Black Flue/Vent End Pipe	34.89	11.71
23 51 16 00-0480	EA	2" x 39" Polypropylene-UV Black Flue/Vent End Pipe	41.45	13.02
23 51 16 00-0481	EA	3" x 20" Polypropylene-UV Black Flue/Vent End Pipe	41.77	13.43
23 51 16 00-0482	EA	3" x 39" Polypropylene-UV Black Flue/Vent End Pipe	51.65	14.92
23 51 16 00-0483	EA	4" x 20" Polypropylene-UV Black Flue/Vent End Pipe	62.32	17.76
23 51 16 00-0484	EA	5" x 20" Polypropylene-UV Black Flue/Vent End Pipe	86.51	26.21
23 51 16 00-0485	EA	5" x 39" Polypropylene-UV Black Flue/Vent End Pipe	104.06	29.13
23 51 16 00-0486	EA	2" x 24" Polypropylene-UV Black Flue/Vent Vent Length.....	38.25	11.71
23 51 16 00-0487	EA	3" x 24" Polypropylene-UV Black Flue/Vent Vent Length.....	48.74	13.43
23 51 16 00-0488	EA	4" x 24" Polypropylene-UV Black Flue/Vent Vent Length.....	78.61	17.76
23 51 16 00-0489	EA	2" Polypropylene-UV Black Flue/Vent 45 Degree Elbow.....	42.26	13.52
23 51 16 00-0490	EA	3" Polypropylene-UV Black Flue/Vent 45 Degree Elbow.....	49.11	14.23
23 51 16 00-0491	EA	4" Polypropylene-UV Black Flue/Vent 45 Degree Elbow.....	60.54	14.75
23 51 16 00-0492	EA	2" Polypropylene-UV Black Flue/Vent 87 Degree Elbow.....	41.63	13.52
23 51 16 00-0493	EA	3" Polypropylene-UV Black Flue/Vent 87 Degree Elbow.....	48.69	14.23
23 51 16 00-0494	EA	4" Polypropylene-UV Black Flue/Vent 87 Degree Elbow.....	59.80	14.75
23 51 16 00-0495	EA	2" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent.....	26.56	6.76
23 51 16 00-0496	EA	3" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent.....	30.75	7.11
23 51 16 00-0497	EA	4" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent.....	34.28	7.38
23 51 16 00-0498	EA	3" Stainless Steel Bird Screen For Polypropylene Flue/Vent.....	65.08	7.11
23 51 16 00-0499	EA	5" Stainless Steel Bird Screen For Polypropylene Flue/Vent.....	74.64	7.68

23 51 16 00-0500 Polypropylene Flue/Vent Accessories (23 51 16 00-0372)

23 51 16 00-0501	EA	2" Spacer For Polypropylene Flue/Vent.....	13.52	3.38
23 51 16 00-0502	EA	3" Spacer For Polypropylene Flue/Vent.....	12.97	3.56
23 51 16 00-0503	EA	4" Spacer For Polypropylene Flue/Vent.....	13.37	3.69
23 51 16 00-0504	EA	5" Spacer For Polypropylene Flue/Vent.....	20.56	3.84
23 51 16 00-0505	EA	2" Flue Clamp For Polypropylene Flue/Vent.....	25.16	5.08
23 51 16 00-0506	EA	3" Flue Clamp For Polypropylene Flue/Vent.....	29.40	5.34
23 51 16 00-0507	EA	4" Flue Clamp For Polypropylene Flue/Vent.....	33.93	5.53
23 51 16 00-0508	EA	2" Support Clamp For Polypropylene Flue/Vent.....	24.00	5.08
23 51 16 00-0509	EA	4" Support Clamp For Polypropylene Flue/Vent.....	24.07	5.53
23 51 16 00-0510	EA	5" Support Clamp For Polypropylene Flue/Vent.....	29.08	5.76
23 51 16 00-0511	EA	3" Plastic Support Clamp For Polypropylene Flue/Vent.....	18.71	5.34
23 51 16 00-0512	EA	2" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	38.03	13.52
23 51 16 00-0513	EA	3" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	41.75	14.23
23 51 16 00-0514	EA	4" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	44.81	14.75
23 51 16 00-0515	EA	5" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	49.73	15.36
23 51 16 00-0516	EA	2" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	2.69	
23 51 16 00-0517	EA	3" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	3.01	
23 51 16 00-0518	EA	4" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	4.07	
23 51 16 00-0519	EA	5" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	6.73	
23 51 16 00-0520	EA	2" Connector Ring For Polypropylene Flue/Vent.....	11.34	3.38
23 51 16 00-0521	EA	3" Connector Ring For Polypropylene Flue/Vent.....	12.77	3.56
23 51 16 00-0522	EA	4" Connector Ring For Polypropylene Flue/Vent.....	13.71	3.69
23 51 16 00-0523	EA	5" Connector Ring For Polypropylene Flue/Vent.....	15.10	3.84
23 51 16 00-0524	EA	2"/4" Polypropylene Flue/Vent Air Intake, White	54.35	6.76
23 51 16 00-0525	EA	3"/5" Polypropylene Flue/Vent Air Intake, White	55.78	7.11
23 51 16 00-0526	EA	4"/6" Polypropylene Flue/Vent Air Intake, White	41.97	7.38
23 51 16 00-0527	EA	2" Base Support For Polypropylene Flue/Vent.....	47.05	5.08
23 51 16 00-0528	EA	3" Base Support For Polypropylene Flue/Vent.....	48.56	5.34
23 51 16 00-0529	EA	4" Base Support For Polypropylene Flue/Vent.....	64.78	5.53
23 51 16 00-0530	EA	5" Base Support For Polypropylene Flue/Vent.....	108.87	5.76

23 51 16 00-0531 Polypropylene Flue/Vent Flex Pipe (23 51 16 00-0372)

23 51 16 00-0532	LF	2", Up To 50', Polypropylene Flue/Vent Flex Pipe.....	8.56	1.19
23 51 16 00-0533	LF	2", > 50', Polypropylene Flue/Vent Flex Pipe	7.44	1.19
23 51 16 00-0534	LF	3", Up To 50', Polypropylene Flue/Vent Flex Pipe.....	10.51	1.40
23 51 16 00-0535	LF	3", > 50', Polypropylene Flue/Vent Flex Pipe	9.11	1.40
23 51 16 00-0536	LF	4", Up To 50', Polypropylene Flue/Vent Flex Pipe.....	15.08	1.73
23 51 16 00-0537	LF	4", > 50', Polypropylene Flue/Vent Flex Pipe	12.93	1.73

23 51 16 00-0538 Polypropylene Flue/Vent Couplers (23 51 16 00-0372)

Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.

23 51 16 00-0539	EA	2" Polypropylene Flue/Vent Coupler, Single Wall to Flex.....	61.57	13.52
23 51 16 00-0540	EA	2" Polypropylene Flue/Vent Coupler, Flex to Single Wall.....	68.57	13.52

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Central Heating Equipment

23 50

Breechings, Chimneys, and Stacks

23 51

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0541 EA 3" Polypropylene Flue/Vent Coupler, Flex to Single Wall.....	136.35	14.23
23 51 16 00-0542 EA 4" Polypropylene Flue/Vent Coupler, Flex to Single Wall.....	246.37	14.75
23 51 16 00-0543 EA 2" Polypropylene Flue/Vent Coupler, Flex to Flex.....	70.63	13.52
23 51 16 00-0544 EA 3" Polypropylene Flue/Vent Coupler, Flex to Flex.....	161.91	14.23
23 51 16 00-0545 EA 4" Polypropylene Flue/Vent Coupler, Flex to Flex.....	413.95	14.75
23 51 16 00-0546 Polypropylene Flue/Vent Flex End Terminations (23 51 16 00-0372)		
23 51 16 00-0547 EA 2" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination.....	79.91	13.52
23 51 16 00-0548 EA 3" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination.....	74.25	14.23
23 51 16 00-0549 EA 4" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination.....	91.13	14.75
23 51 16 00-0550 Aluminum Flue/Vent Fittings (23 51 16)		
23 51 16 00-0551 Aluminum Vent Top Caps (23 51 16 00-0550)		
23 51 16 00-0552 EA 3" Aluminum Vent Cap (Star-Kap® 3-SK).....	76.21	13.40
23 51 16 00-0553 EA 4" Aluminum Vent Cap (Star-Kap® 4-SK).....	81.00	13.14
23 51 16 00-0554 EA 5" Aluminum Vent Cap (Star-Kap® 5-SK).....	87.75	13.76
23 51 16 00-0555 EA 6" Aluminum Vent Cap (Star-Kap® 6-SK).....	121.46	14.40
23 51 16 00-0556 EA 8" Aluminum Vent Cap (Star-Kap® 8-SK).....	135.83	16.01
23 51 16 00-0557 EA 10" Aluminum Vent Cap (Star-Kap® 10-SK).....	382.06	16.91
23 51 16 00-0558 EA 12" Aluminum Vent Cap (Star-Kap® 12-SK).....	391.69	17.99
23 52 Heating Boilers (23 50)		
23 52 13 Electric Boilers (23 52)		
23 52 13 00-0001 Packaged Electric Steam Boiler (23 52 13)		
Note: Includes burners, standard controls and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Rated by KW and MBH gross rated output.		
23 52 13 00-0002 EA 12 KW, 42 MBH Electric Steam Boiler With Packaged Standard Controls	7,675.29	560.38
23 52 13 00-0003 EA 24 KW, 84 MBH Electric Steam Boiler With Packaged Standard Controls	8,285.03	653.78
23 52 13 00-0004 EA 36 KW, 126 MBH Electric Steam Boiler With Packaged Standard Controls	8,900.96	700.48
23 52 13 00-0005 EA 48 KW, 168 MBH Electric Steam Boiler With Packaged Standard Controls	9,917.12	747.18
23 52 13 00-0006 EA 60 KW, 210 MBH Electric Steam Boiler With Packaged Standard Controls	10,908.56	793.88
23 52 13 00-0007 EA 80 KW, 280 MBH Electric Steam Boiler With Packaged Standard Controls	12,741.38	887.28
23 52 13 00-0008 EA 100 KW, 350 MBH Electric Steam Boiler With Packaged Standard Controls	14,574.28	980.68
23 52 13 00-0009 EA 120 KW, 420 MBH Electric Steam Boiler With Packaged Standard Controls	15,157.74	1,027.37
23 52 13 00-0010 EA 140 KW, 490 MBH Electric Steam Boiler With Packaged Standard Controls	15,943.09	1,074.07
23 52 13 00-0011 EA 160 KW, 560 MBH Electric Steam Boiler With Packaged Standard Controls	20,893.94	1,167.46
23 52 13 00-0012 EA 180 KW, 630 MBH Electric Steam Boiler With Packaged Standard Controls	21,779.25	1,214.16
23 52 13 00-0013 EA 200 KW, 700 MBH Electric Steam Boiler With Packaged Standard Controls	22,966.69	1,357.97
23 52 13 00-0014 EA 220 KW, 770 MBH Electric Steam Boiler With Packaged Standard Controls	23,923.17	1,458.57
23 52 13 00-0015 EA 240 KW, 840 MBH Electric Steam Boiler With Packaged Standard Controls	25,815.18	1,559.16
23 52 13 00-0016 EA 260 KW, 910 MBH Electric Steam Boiler With Packaged Standard Controls	27,806.36	1,710.04
23 52 13 00-0017 EA 280 KW, 980 MBH Electric Steam Boiler With Packaged Standard Controls	29,562.07	1,760.34
23 52 13 00-0018 EA 300 KW, 1,050 MBH Electric Steam Boiler With Packaged Standard Controls	31,003.83	1,810.64
23 52 13 00-0019 EA 320 KW, 1,120 MBH Electric Steam Boiler With Packaged Standard Controls	32,912.29	1,860.93
23 52 13 00-0020 EA 360 KW, 1,260 MBH Electric Steam Boiler With Packaged Standard Controls	34,821.23	1,911.23
23 52 13 00-0021 EA 400 KW, 1,400 MBH Electric Steam Boiler With Packaged Standard Controls	37,259.97	2,011.82
23 52 13 00-0022 EA 460 KW, 1,610 MBH Electric Steam Boiler With Packaged Standard Controls	39,769.11	2,112.41
23 52 13 00-0023 EA 500 KW, 1,750 MBH Electric Steam Boiler With Packaged Standard Controls	42,227.96	2,162.71
23 52 13 00-0024 EA 600 KW, 2,100 MBH Electric Steam Boiler With Packaged Standard Controls	46,838.70	2,213.00
23 52 13 00-0025 EA 700 KW, 2,450 MBH Electric Steam Boiler With Packaged Standard Controls	50,446.51	2,313.59
23 52 13 00-0026 EA 756 KW, 2,646 MBH Electric Steam Boiler With Packaged Standard Controls	51,665.88	2,414.18
23 52 13 00-0027 EA 828 KW, 2,898 MBH Electric Steam Boiler With Packaged Standard Controls	56,844.80	2,565.07
23 52 13 00-0028 EA 936 KW, 3,276 MBH Electric Steam Boiler With Packaged Standard Controls	58,680.20	2,715.96
23 52 13 00-0029 EA 1,008 KW, 3,528 MBH Electric Steam Boiler With Packaged Standard Controls	60,616.20	2,866.85
23 52 13 00-0030 EA 1,116 KW, 3,906 MBH Electric Steam Boiler With Packaged Standard Controls	64,412.37	3,017.73
23 52 13 00-0031 EA 1,224 KW, 4,284 MBH Electric Steam Boiler With Packaged Standard Controls	66,096.78	3,118.32
23 52 13 00-0032 EA 1,368 KW, 4,788 MBH Electric Steam Boiler With Packaged Standard Controls	68,309.14	3,319.51
23 52 13 00-0033 EA 1,440 KW, 5,040 MBH Electric Steam Boiler With Packaged Standard Controls	70,647.28	3,520.69
23 52 13 00-0034 EA 1,512 KW, 5,292 MBH Electric Steam Boiler With Packaged Standard Controls	77,208.95	3,721.86
23 52 13 00-0035 EA 1,620 KW, 5,670 MBH Electric Steam Boiler With Packaged Standard Controls	81,407.47	3,923.05
23 52 13 00-0036 Packaged Electric Hot Water Boiler (23 52 13)		
Note: Flush jacketed steel shell. Includes burners, and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.). Rated by KW and MBH gross rated output.		
23 52 13 00-0037 EA 9 KW, 31 MBH, Electric Hot Boiler With Packaged Standard Controls	6,686.96	513.68
23 52 13 00-0038 EA 12 KW, 41 MBH, Electric Hot Boiler With Packaged Standard Controls	7,047.88	560.38
23 52 13 00-0039 EA 18 KW, 61 MBH, Electric Hot Boiler With Packaged Standard Controls	7,408.80	607.08
23 52 13 00-0040 EA 24 KW, 82 MBH, Electric Hot Boiler With Packaged Standard Controls	7,756.80	653.78
23 52 13 00-0041 EA 36 KW, 123 MBH, Electric Hot Boiler With Packaged Standard Controls	8,156.98	700.48
23 52 13 00-0042 EA 48 KW, 164 MBH, Electric Hot Boiler With Packaged Standard Controls	8,454.74	747.18
23 52 13 00-0043 EA 60 KW, 205 MBH Electric Hot Boiler With Packaged Standard Controls	8,815.66	793.88
23 52 13 00-0044 EA 72 KW, 246 MBH Electric Hot Boiler With Packaged Standard Controls	9,357.04	840.58
23 52 13 00-0045 EA 84 KW, 287 MBH Electric Hot Boiler With Packaged Standard Controls	9,824.59	887.28

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 13 00-0046 EA 90 KW, 307 MBH Electric Hot Boiler With Packaged Standard Controls	10,113.32	933.98
23 52 13 00-0047 EA 105 KW, 358 MBH Electric Hot Boiler With Packaged Standard Controls	10,858.50	980.68
23 52 13 00-0048 EA 120 KW, 409 MBH Electric Hot Boiler With Packaged Standard Controls	11,558.75	1,027.37
23 52 13 00-0049 EA 135 KW, 461 MBH Electric Hot Boiler With Packaged Standard Controls	12,823.79	1,074.07
23 52 13 00-0050 EA 150 KW, 512 MBH Electric Hot Boiler With Packaged Standard Controls	13,644.50	1,120.77
23 52 13 00-0051 EA 165 KW, 563 MBH Electric Hot Boiler With Packaged Standard Controls	14,337.91	1,167.46
23 52 13 00-0052 EA 180 KW, 614 MBH Electric Hot Boiler With Packaged Standard Controls	15,575.65	1,214.16
23 52 13 00-0053 EA 195 KW, 665 MBH Electric Hot Boiler With Packaged Standard Controls	17,117.35	1,357.97
23 52 13 00-0054 EA 225 KW, 768 MBH Electric Hot Boiler With Packaged Standard Controls	18,408.98	1,458.57
23 52 13 00-0055 EA 240 KW, 819 MBH Electric Hot Boiler With Packaged Standard Controls	19,810.22	1,559.16
23 52 13 00-0056 EA 270 KW, 921 MBH Electric Hot Boiler With Packaged Standard Controls	21,202.44	1,710.04
23 52 13 00-0057 EA 300 KW, 1,024 MBH Electric Hot Boiler With Packaged Standard Controls	22,603.68	1,810.64
23 52 13 00-0058 EA 330 KW, 1,126 MBH Electric Hot Boiler With Packaged Standard Controls	23,903.16	1,911.23
23 52 13 00-0059 EA 360 KW, 1,228 MBH Electric Hot Boiler With Packaged Standard Controls	25,705.60	1,981.52
23 52 13 00-0060 EA 390 KW, 1,331 MBH Electric Hot Boiler With Packaged Standard Controls	27,396.91	2,011.82
23 52 13 00-0061 EA 420 KW, 1,433 MBH Electric Hot Boiler With Packaged Standard Controls	29,016.05	2,112.41
23 52 13 00-0062 EA 450 KW, 1,535 MBH Electric Hot Boiler With Packaged Standard Controls	30,718.35	2,112.41
23 52 13 00-0063 EA 504 KW, 1,720 MBH Electric Hot Boiler With Packaged Standard Controls	33,662.84	2,162.71
23 52 13 00-0064 EA 612 KW, 2,088 MBH Electric Hot Boiler With Packaged Standard Controls	35,231.60	2,213.00
23 52 13 00-0065 EA 684 KW, 2,334 MBH Electric Hot Boiler With Packaged Standard Controls	37,191.58	2,313.59
23 52 13 00-0066 EA 720 KW, 2,457 MBH Electric Hot Boiler With Packaged Standard Controls	38,690.74	2,363.89
23 52 13 00-0067 EA 750 KW, 2,559 MBH Electric Hot Boiler With Packaged Standard Controls	40,195.01	2,414.18
23 52 13 00-0068 EA 810 KW, 2,764 MBH Electric Hot Boiler With Packaged Standard Controls	41,314.59	2,565.07
23 52 13 00-0069 EA 900 KW, 3,071 MBH Electric Hot Boiler With Packaged Standard Controls	43,348.04	2,715.96
23 52 13 00-0070 EA 1,020 KW, 3,480 MBH Electric Hot Boiler With Packaged Standard Controls	50,490.99	2,866.85
23 52 13 00-0071 EA 1,110 KW, 3,787 MBH Electric Hot Boiler With Packaged Standard Controls	55,410.69	3,017.73
23 52 13 00-0072 EA 1,200 KW, 4,094 MBH Electric Hot Boiler With Packaged Standard Controls	57,579.23	3,118.32
23 52 13 00-0073 EA 1350 KW, 4,606 MBH Electric Hot Boiler With Packaged Standard Controls	59,985.87	3,319.51
23 52 13 00-0074 EA 1,440 KW, 4,913 MBH Electric Hot Boiler With Packaged Standard Controls	62,392.50	3,520.69
23 52 13 00-0075 EA 1,560 KW, 5,323 MBH Electric Hot Boiler With Packaged Standard Controls	69,190.84	3,721.86
23 52 13 00-0076 EA 1,680 KW, 5,732 MBH Electric Hot Boiler With Packaged Standard Controls	73,563.31	3,923.05
23 52 13 00-0077 EA 1,740 KW, 5,937 MBH Electric Hot Boiler With Packaged Standard Controls	75,428.57	4,023.64
23 52 13 00-0078 EA 1,800 KW, 6,142 MBH Electric Hot Boiler With Packaged Standard Controls	77,293.83	4,124.23
23 52 13 00-0079 EA 1,980 KW, 6,756 MBH Electric Hot Boiler With Packaged Standard Controls	77,696.20	4,275.12
23 52 13 00-0080 EA 2,100 KW, 7,165 MBH Electric Hot Boiler With Packaged Standard Controls	83,432.49	4,375.71
23 52 13 00-0081 EA 2,220 KW, 7,575 MBH Electric Hot Boiler With Packaged Standard Controls	87,263.60	4,526.60
23 52 13 00-0082 EA 2,600 KW, 8,871 MBH Electric Hot Boiler With Packaged Standard Controls	93,683.30	4,828.37
23 52 13 00-0083 EA 2,960 KW, 10,100 MBH Electric Hot Boiler With Packaged Standard Controls	100,918.11	5,331.33
23 52 13 00-0084 EA 3,240 KW, 11,055 MBH Electric Hot Boiler With Packaged Standard Controls	109,217.96	5,934.88
23 52 13 00-0085 EA 3,360 KW, 11,464 MBH Electric Hot Boiler With Packaged Standard Controls	115,637.67	6,538.41
23 52 16 Condensing Boilers (23 52)		
23 52 16 13 Stainless-Steel Condensing Boilers (23 52 16)		
23 52 16 13-0001 Hamilton Evo Series Stainless Steel Condensing Boilers (23 52 16 13)		
Note: Includes circulating pump, mounting rack, disconnect panel, plumbing and gas manifold, manual reset high limit and LWCO (Cal Code). Rated by gross rated output.		
23 52 16 13-0002 EA 75 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW79)	11,020.32	373.59
23 52 16 13-0003 EA 127 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW129)	11,639.53	497.62
23 52 16 13-0004 EA 168 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW179)	12,409.31	560.29
23 52 16 13-0005 EA 187 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW199.1)	13,154.87	591.48
23 52 16 13-0006 EA 281 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW299)	17,374.83	684.88
23 52 16 13-0007 EA 374 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW399)	20,116.63	747.09
23 52 16 13-0008 EA 589 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW599)	27,192.50	871.59
23 52 16 13-0009 EA 785 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW798)	37,827.01	996.18
Note: Includes vent manifold.		
23 52 16 13-0010 EA 980 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW998)	46,274.72	1,089.57
Note: Includes vent manifold.		
23 52 16 13-0011 EA 1,425 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1499)	66,845.94	1,276.27
23 52 16 13-0012 EA 1,900 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1999)	73,668.90	1,369.67
23 52 16 13-0013 Buderus SB615 Stainless Steel Condensing Boilers (23 52 16 13)		
Note: Includes Riello burners. Rated by gross rated output.		
23 52 16 13-0014 EA 484 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/145)	33,991.05	809.38
23 52 16 13-0015 EA 612 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/185)	35,638.85	871.59
23 52 16 13-0016 EA 791 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/240)	39,712.72	996.18
23 52 16 13-0017 EA 1,022 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/310)	43,008.32	1,120.67
23 52 16 13-0018 EA 1,317 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/400)	47,833.87	1,214.07
23 52 16 13-0019 EA 1,459 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/510)	54,698.19	1,276.27
23 52 16 13-0020 EA 2,104 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/640)	65,426.00	1,369.67
23 52 16 13-0021 Buderus SB735 Stainless Steel Condensing Boilers (23 52 16 13)		
Note: Includes Riello burners. Rated by gross rated output.		
23 52 16 13-0022 EA 2,650 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/790)	68,851.20	1,494.17
23 52 16 13-0023 EA 3,251 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/970)	79,766.02	1,556.47
23 52 16 13-0024 EA 4,079 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/1200)	92,469.26	1,618.77

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Central Heating Equipment

23 50

Heating Boilers

23 52

23

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 13-0025		Lochinvar Knight Stainless Steel Condensing Boilers (23 52 16 13) Note: Rated by gross rated output.		
23 52 16 13-0026	EA	165 MBH 95.7% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN211)	10,185.40	560.29
23 52 16 13-0027	EA	226 MBH 96% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN286)	13,361.86	622.59
23 52 16 13-0028		Lochinvar Knight XL Stainless Steel Condensing Boilers (23 52 16 13) Note: Rated by gross rated output.		
23 52 16 13-0029	EA	324 MBH 93.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN400)	16,115.93	715.98
23 52 16 13-0030	EA	406 MBH 93.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN501)	19,823.76	747.09
23 52 16 13-0031	EA	493 MBH 94.6% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN601)	23,296.82	809.38
23 52 16 13-0032	EA	574 MBH 94.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN701)	26,819.92	840.48
23 52 16 13-0033	EA	654 MBH 94% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN801)	30,772.61	902.78
23 52 16 13-0034		Lochinvar SYNC Stainless Steel Condensing Boilers (23 52 16 13) Note: Rated by gross rated output.		
23 52 16 13-0035	EA	941 MBH 94.1% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1000)	42,172.86	1,089.57
23 52 16 13-0036	EA	1,240 MBH 95.4% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1300)	48,035.35	1,182.87
23 52 16 13-0037	EA	1,443 MBH 96.2% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1500)	51,588.04	1,276.27
23 52 16 13-0038		Lochinvar Crest Stainless Steel Condensing Boilers (23 52 16 13) Note: Rated by gross rated output.		
23 52 16 13-0039	EA	1,380 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1500)	51,261.26	1,214.07
23 52 16 13-0040	EA	1,840 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2000)	61,481.49	1,369.67
23 52 16 13-0041	EA	2,300 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2500)	80,027.32	1,431.97
23 52 16 13-0042	EA	2,760 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3000)	88,246.19	1,494.17
23 52 16 13-0043	EA	3,220 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3500)	105,070.87	1,556.47
23 52 16 13-0044		Laars Neotherm Stainless Steel Condensing Boiler (23 52 16 13) Note: Compliant with SCAQMD. Rated by gross rated output.		
23 52 16 13-0045	EA	80 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH080)	7,512.67	404.69
23 52 16 13-0046	EA	105 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH105)	8,574.68	466.98
23 52 16 13-0047	EA	150 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH150)	9,598.32	560.29
23 52 16 13-0048	EA	210 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH210)	10,689.90	622.59
23 52 16 13-0049	EA	285 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH285)	13,738.92	684.88
23 52 16 13-0050	EA	399 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH399)	17,085.06	747.09
23 52 16 13-0051	EA	500 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH500)	21,992.04	809.38
23 52 16 13-0052	EA	600 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH600)	23,628.10	871.59
23 52 16 13-0053	EA	750 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH750)	25,529.00	933.88
23 52 16 13-0054	EA	850 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH850)	27,572.34	1,058.37
23 52 16 13-0055	EA	1,000 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1000)	39,670.52	1,120.67
23 52 16 13-0056	EA	1,700 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1700)	52,783.56	1,307.47
23 52 16 13-0057	EA	150 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV150)	10,296.07	560.29
23 52 16 13-0058	EA	199 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV199)	12,051.14	591.48
23 52 16 13-0059	EA	285 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV285)	15,637.21	684.88
23 52 16 13-0060	EA	399 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV399)	18,839.50	747.09
23 52 16 13-0061	EA	500 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV500)	23,548.85	809.38
23 52 16 13-0062	EA	600 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV600)	24,542.29	871.59
23 52 16 13-0063	EA	750 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV750)	26,907.01	933.88
23 52 16 13-0064	EA	800 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV800)	28,872.45	996.18
23 52 16 13-0065	EA	1,000 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV1000)	39,670.52	1,120.67
23 52 16 13-0066	EA	1,700 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV1700)	52,783.56	1,307.47
23 52 16 13-0067		AERCO Benchmark Stainless-Steel Condensing Boilers (23 52 16 13) Note: Rated by gross rated output.		
23 52 16 13-0068	EA	1,500 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK1.5LN)	42,786.57	1,276.27
23 52 16 13-0069	EA	Note: Includes gas PRV and pump delay relay. 2,000 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK2.0LN)	50,792.60	1,369.67
23 52 16 13-0070	EA	Note: Includes gas PRV and pump delay relay. 3,000 MBH Water, 220 Volt, 1 Phase, 230 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000)	73,088.48	1,525.37
23 52 16 13-0071	EA	Note: Includes gas PRV and pump delay relay. 3,000 MBH Water, 480 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000)	77,886.84	1,525.37
23 52 16 13-0072		Note: Includes gas PRV and pump delay relay.		
23 52 16 16		Aluminum Condensing Boilers (23 52 16)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0001		Weil McLain Aluminum Condensing Boilers (23 52 16 16)		
		Note: Rated by gross rated output.		
23 52 16 16-0002	EA	80 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	6,063.41	404.69
23 52 16 16-0003	EA	105 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	6,691.72	466.98
23 52 16 16-0004	EA	155 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	7,560.59	560.29
23 52 16 16-0005	EA	230 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	8,483.24	622.59
23 52 16 16-0006	EA	310 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	10,970.98	715.98
23 52 16 16-0007		Patterson Kelly Mach Series Aluminum Condensing Boilers (23 52 16 16)		
		Note: Rated by gross rated output.		
23 52 16 16-0008	EA	300 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C300)	17,419.89	684.88
23 52 16 16-0009	EA	450 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C450)	19,601.78	778.28
23 52 16 16-0010	EA	750 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C750)	22,184.13	933.88
23 52 16 16-0011	EA	900 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C900)	32,932.46	1,058.37
23 52 16 16-0012	EA	1,050 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C1050)	34,399.13	1,120.67
23 52 16 16-0013	EA	1,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C1500)	53,463.19	1,276.27
23 52 16 16-0014	EA	2,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C2000)	57,896.25	1,369.67
23 52 16 16-0015	EA	2,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C2500)	67,040.69	1,494.17
23 52 16 16-0016	EA	3,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C3000)	83,069.26	1,525.37
23 52 16 16-0017	EA	4,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C4000)	101,453.15	1,618.77
23 52 16 16-0018		Buderus GB142 Wall Hung Aluminum Condensing Boilers (23 52 16 16)		
		Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0019	EA	75 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/24)	7,227.78	373.59
23 52 16 16-0020	EA	Note: Includes an aluminum heat exchanger and three speed circulating pump. 95 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/30)	8,391.82	435.79
23 52 16 16-0021	EA	Note: Includes an aluminum heat exchanger and three speed circulating pump. 143 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/45)	9,646.02	529.19
23 52 16 16-0022	EA	Note: Includes an aluminum heat exchanger and three speed circulating pump. 193 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/60)	10,545.46	591.48
23 52 16 16-0023	EA	Note: Includes an aluminum heat exchanger and three speed circulating pump. Optional Vertical Or Horizontal 3" Concentric Termination Kit For GB142 (Buderus 60L46)	321.54	93.40
23 52 16 16-0024	EA	Optional Stainless Steel Concentric Hood For GB142 (Buderus SJT3)	433.55	93.40
23 52 16 16-0025	EA	Optional GB Floor Stand For GB142 (Buderus 7098265)	972.50	93.40
23 52 16 16-0026		Buderus GB162 Wall Hung Aluminum Condensing Boilers (23 52 16 16)		
		Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0027	EA	290 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/80)	9,933.10	684.88
23 52 16 16-0028	EA	Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions. 333 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/100)	12,290.39	715.98
23 52 16 16-0029	EA	Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions. 580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/80-TL2)	23,884.92	840.48
23 52 16 16-0030	EA	Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package. 580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/80-TR2)	22,305.52	840.48
23 52 16 16-0031	EA	Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package. 666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/100-TL2)	28,599.50	902.78
23 52 16 16-0032	EA	Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package. 666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/100-TR2)	27,020.10	902.78
23 52 16 16-0033	EA	Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package. 870 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/80-TL3)	33,248.04	1,058.37
23 52 16 16-0034	EA	Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package. 999 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/100-TL3)	40,226.52	1,120.67

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Central Heating Equipment

23 50

Heating Boilers

23 52

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0035 EA 1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/80-TL4) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	41,338.85	1,182.87
23 52 16 16-0036 EA 1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/80-TR4) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	41,971.41	1,182.87
23 52 16 16-0037 EA 1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/100-TL4) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	50,487.83	1,214.07
23 52 16 16-0038 EA 1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/100-TR4) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	51,120.39	1,214.07
23 52 16 16-0039 EA EMS Control Module For Condensing Boiler (Buderus RC35).....	671.36	93.40
23 52 16 16-0040 Buderus GB312 Aluminum Condensing Boilers (23 52 16 16) Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0041 EA 305 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/90)..... Note: Includes an aluminum heat exchanger.	19,554.35	684.88
23 52 16 16-0042 EA 409 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/120)..... Note: Includes an aluminum heat exchanger.	21,510.59	747.09
23 52 16 16-0043 EA 544 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/160)..... Note: Includes an aluminum heat exchanger.	25,558.92	824.89
23 52 16 16-0044 EA 676 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/200)..... Note: Includes an aluminum heat exchanger.	29,428.70	902.78
23 52 16 16-0045 EA 810 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/240)..... Note: Includes an aluminum heat exchanger.	35,293.19	996.18
23 52 16 16-0046 EA 944 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/280)..... Note: Includes an aluminum heat exchanger.	38,982.39	1,089.57
23 52 16 16-0047 EA Optional CSD-1 Kit Consisting Of High And Low Gas Pressure Switches For GB312 (Buderus 7747019985).....	580.40	46.70
23 52 16 16-0048 EA Optional L4006E1125 Manual Reset Aquastat For GB312 (Buderus L4006E1125).....	271.97	46.70
23 52 16 16-0049 EA Optional Hydrolevel 550 low Water Cut-Off For GB312 (Buderus 550).....	396.96	46.70
23 52 16 16-0050 EA Optional Condensate Neutralization Tank For GB312 (Buderus 63035899).....	861.24	46.70
23 52 16 19 Copper Water-Tube Condensing Boilers (23 52 16)		
23 52 16 19-0001 Laars Rheos+ Copper Fin Tube Condensing Boilers (23 52 16 19) Note: Rated by gross rated output.		
23 52 16 19-0002 EA 1,200 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	40,232.35	1,182.87
23 52 16 19-0003 EA 1,600 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	45,367.27	1,307.47
23 52 16 19-0004 EA 2,000 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	49,654.76	1,369.67
23 52 16 19-0005 EA 2,400 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	53,592.18	1,431.97
23 52 16 23 Cast Iron Condensing Boilers (23 52 16)		
23 52 16 23-0001 Hydrotherm KN Cast Iron Condensing Boilers (23 52 16 23) Note: Rated by gross rated output.		
23 52 16 23-0002 EA 199 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-2).....	13,544.77	591.48
23 52 16 23-0003 EA 399 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-4).....	19,827.64	747.09
23 52 16 23-0004 EA 600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-6).....	32,600.63	871.59
23 52 16 23-0005 EA 1,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-10).....	42,792.22	1,120.67
23 52 16 23-0006 EA 1,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-16).....	57,046.66	1,307.47
23 52 16 23-0007 EA 1,999 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-20).....	62,227.90	1,369.67
23 52 16 23-0008 EA 2,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-26).....	79,200.79	1,494.17
23 52 16 23-0009 EA 3,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-30).....	86,570.08	1,525.37
23 52 23 Cast-Iron Boilers (23 52)		
23 52 23 00-0001 Weil-McLain Model 80 Cast Iron Boiler (23 52 23) Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0002 Gas Fired Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001) Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0003 EA 209 MBH Steam, 242 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 380)..... Note: Includes field assembly of individual sections and testing.	14,963.80	3,052.52
23 52 23 00-0004 EA 297 MBH Steam, 344 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 480)..... Note: Includes field assembly of individual sections and testing.	16,309.85	3,256.02
23 52 23 00-0005 EA 386 MBH Steam, 448 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 580)..... Note: Includes field assembly of individual sections and testing.	17,778.83	3,459.52
23 52 23 00-0006 EA 476 MBH Steam, 551 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 680)..... Note: Includes field assembly of individual sections and testing.	19,148.11	3,663.02
23 52 23 00-0007 EA 565 MBH Steam, 655 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 780)..... Note: Includes field assembly of individual sections and testing.	20,416.15	3,866.52

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0008	EA	654 MBH Steam, 758 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 880) Note: Includes field assembly of individual sections and testing.	22,135.13	4,070.02
23 52 23 00-0009	EA	743 MBH Steam, 862 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 980) Note: Includes field assembly of individual sections and testing.	23,474.02	4,273.52
23 52 23 00-0010	EA	833 MBH Steam, 965 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1080) Note: Includes field assembly of individual sections and testing.	24,546.46	4,477.02
23 52 23 00-0011	EA	922 MBH Steam, 1,069 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1180) Note: Includes field assembly of individual sections and testing.	25,615.09	4,680.53
23 52 23 00-0012	EA	1,018 MBH Steam, 1,172 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1280) Note: Includes field assembly of individual sections and testing.	26,841.98	4,884.03
23 52 23 00-0013		Gas Fired Package Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)		
23 52 23 00-0014	EA	209 MBH Steam, 242 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 380) Note: Fire tested factory assembled package unit.	10,037.69	402.37
23 52 23 00-0015	EA	297 MBH Steam, 344 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 480) Note: Fire tested factory assembled package unit.	11,146.55	402.37
23 52 23 00-0016	EA	386 MBH Steam, 448 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 580) Note: Fire tested factory assembled package unit.	12,782.77	502.96
23 52 23 00-0017	EA	476 MBH Steam, 551 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 680) Note: Fire tested factory assembled package unit.	13,913.42	502.96
23 52 23 00-0018	EA	565 MBH Steam, 655 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 780) Note: Fire tested factory assembled package unit.	15,348.96	603.55
23 52 23 00-0019	EA	654 MBH Steam, 758 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 880) Note: Fire tested factory assembled package unit.	16,844.25	603.55
23 52 23 00-0020	EA	743 MBH Steam, 862 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 980) Note: Fire tested factory assembled package unit.	18,348.60	704.14
23 52 23 00-0021	EA	833 MBH Steam, 965 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1080) Note: Fire tested factory assembled package unit.	19,586.92	804.73
23 52 23 00-0022	EA	922 MBH Steam, 1,069 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1180) Note: Fire tested factory assembled package unit.	20,420.57	804.73
23 52 23 00-0023	EA	1018 MBH Steam, 1172 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1280) Note: Fire tested factory assembled package unit.	21,811.37	905.32
23 52 23 00-0024		Gas/Oil Fired Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)		
		Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0025	EA	209 MBH Steam, 242 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 380) Note: Includes field assembly of individual sections and testing.	15,611.68	3,052.52
23 52 23 00-0026	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	17,073.56	3,256.02
23 52 23 00-0027	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	18,472.58	3,459.52
23 52 23 00-0028	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	20,029.92	3,663.02
23 52 23 00-0029	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	21,322.04	3,866.52
23 52 23 00-0030	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	23,187.80	4,070.02
23 52 23 00-0031	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	24,377.62	4,273.52
23 52 23 00-0032	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	25,536.06	4,477.02
23 52 23 00-0033	EA	922 MBH Steam, 1069 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	26,605.84	4,680.53
23 52 23 00-0034	EA	1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	27,863.68	4,884.03
23 52 23 00-0035		Gas/Oil Fired Package Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)		
23 52 23 00-0036	EA	209 MBH Steam, 242 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 380) Note: Fire tested factory assembled package cast iron unit.	10,685.58	402.37
23 52 23 00-0037	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 480) Note: Fire tested factory assembled package cast iron unit.	11,910.26	402.37
23 52 23 00-0038	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 580) Note: Fire tested factory assembled package cast iron unit.	13,476.53	502.96
23 52 23 00-0039	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 680) Note: Fire tested factory assembled package cast iron unit.	14,795.23	502.96
23 52 23 00-0040	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 780) Note: Fire tested factory assembled package cast iron unit.	16,254.85	603.55
23 52 23 00-0041	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 880) Note: Fire tested factory assembled package cast iron unit.	17,896.92	603.55
23 52 23 00-0042	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 980) Note: Fire tested factory assembled package cast iron unit.	19,252.20	704.14
23 52 23 00-0043	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1080) Note: Fire tested factory assembled package cast iron unit.	20,576.52	804.73
23 52 23 00-0044	EA	922 MBH Steam, 1,069 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1180) Note: Fire tested factory assembled package cast iron unit.	21,411.32	804.73
23 52 23 00-0045	EA	1,018 MBH Steam, 1,172 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1280) Note: Fire tested factory assembled package cast iron unit.	22,833.08	905.32

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Central Heating Equipment

23 50

Heating Boilers

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0046 Weil-McLain Model 88 Cast Iron Boiler (23 52 23) Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0047 Gas Fired Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046) Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0048 EA 629 MBH Steam, 730 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 488).....	24,031.81	4,578.77
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0049 EA 845 MBH Steam, 979 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 588).....	26,459.43	4,858.59
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0050 EA 1072 MBH Steam, 1229 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 688).....	29,449.02	5,138.40
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0051 EA 1,311 MBH Steam, 1,478 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 788).....	32,090.70	5,418.22
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0052 EA 1,543 MBH Steam, 1,728 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 888).....	34,396.05	5,698.03
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0053 EA 1,766 MBH Steam, 1,977 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 988).....	37,708.04	5,977.84
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0054 EA 1,988 MBH Steam, 2,227 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1088).....	40,034.40	6,257.66
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0055 EA 2,211 MBH Steam, 2,477 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1188).....	42,099.94	6,537.47
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0056 EA 2,434 MBH Steam, 2,726 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1288).....	44,835.94	6,817.29
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0057 EA 2,657 MBH Steam, 2,976 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1388).....	47,049.16	7,097.10
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0058 EA 2,880 MBH Steam, 3,225 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1488).....	50,820.63	7,376.91
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0059 EA 3,102 MBH Steam, 3,475 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1588).....	52,929.62	7,656.73
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0060 EA 3,325 MBH Steam, 3,724 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1688).....	55,162.54	7,936.54
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0061 EA 3,548 MBH Steam, 3,974 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1788).....	57,643.37	8,216.35
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0062 EA 3,771 MBH Steam, 4,223 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1888).....	59,673.72	8,496.17
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0063 Gas Fired Package Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)		
23 52 23 00-0064 EA 629 MBH Steam, 730 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 488).....	18,364.66	704.14
Note: Fire tested factory assembled package unit.		
23 52 23 00-0065 EA 845 MBH Steam, 979 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 588).....	20,831.09	804.73
Note: Fire tested factory assembled package unit.		
23 52 23 00-0066 EA 1,072 MBH Steam, 1,229 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 688).....	23,873.14	905.32
Note: Fire tested factory assembled package unit.		
23 52 23 00-0067 EA 1,311 MBH Steam, 1,478 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 788).....	26,542.53	1,005.91
Note: Fire tested factory assembled package unit.		
23 52 23 00-0068 EA 1,543 MBH Steam, 1,728 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 888).....	28,482.75	1,005.91
Note: Fire tested factory assembled package unit.		
23 52 23 00-0069 EA 1,766 MBH Steam, 1,977 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 988).....	31,836.71	1,106.51
Note: Fire tested factory assembled package unit.		
23 52 23 00-0070 EA 1,988 MBH Steam, 2,227 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1088).....	33,801.00	1,106.51
Note: Fire tested factory assembled package unit.		
23 52 23 00-0071 EA 2,211 MBH Steam, 2,477 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1188).....	35,905.09	1,207.09
Note: Fire tested factory assembled package unit.		
23 52 23 00-0072 EA 2,434 MBH Steam, 2,726 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1288).....	38,279.90	1,207.09
Note: Fire tested factory assembled package unit.		
23 52 23 00-0073 EA 2,657 MBH Steam, 2,976 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1388).....	40,531.92	1,307.68
Note: Fire tested factory assembled package unit.		
23 52 23 00-0074 EA 2,880 MBH Steam, 3,225 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1488).....	42,713.95	1,408.27
Note: Fire tested factory assembled package unit.		
23 52 23 00-0075 EA 3,102 MBH Steam, 3,475 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1588).....	44,461.52	1,408.27
Note: Fire tested factory assembled package unit.		
23 52 23 00-0076 EA 3,325 MBH Steam, 3,724 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1688).....	46,734.14	1,508.86
Note: Fire tested factory assembled package unit.		
23 52 23 00-0077 EA 3,548 MBH Steam, 3,974 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1788).....	48,852.09	1,508.86
Note: Fire tested factory assembled package unit.		
23 52 23 00-0078 EA 3,771 MBH Steam, 4,223 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1888).....	50,945.79	1,609.45
Note: Fire tested factory assembled package unit.		
23 52 23 00-0079 Gas/Oil Fired Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0080 EA 629 MBH Steam, 730 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 488).....	24,829.92	4,578.77
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0081 EA 845 MBH Steam, 979 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 588).....	27,252.95	4,858.59
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0082 EA 1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 688).....	30,448.94	5,138.40
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0083 EA 1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 788).....	33,191.54	5,418.22
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0084 EA 1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 888).....	35,384.51	5,698.03
Note: Includes field assembly of individual sections and testing.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0085	EA	1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 988)..... Note: Includes field assembly of individual sections and testing.	38,634.57	5,977.84
23 52 23 00-0086	EA	1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1088)..... Note: Includes field assembly of individual sections and testing.	41,425.34	6,257.66
23 52 23 00-0087	EA	2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1188)..... Note: Includes field assembly of individual sections and testing.	43,490.89	6,537.47
23 52 23 00-0088	EA	2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1288)..... Note: Includes field assembly of individual sections and testing.	46,199.37	6,817.29
23 52 23 00-0089	EA	2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1388)..... Note: Includes field assembly of individual sections and testing.	48,998.55	7,097.10
23 52 23 00-0090	EA	2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1488)..... Note: Includes field assembly of individual sections and testing.	52,668.64	7,376.91
23 52 23 00-0091	EA	3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1588)..... Note: Includes field assembly of individual sections and testing.	55,666.80	7,656.73
23 52 23 00-0092	EA	3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1688)..... Note: Includes field assembly of individual sections and testing.	57,209.40	7,936.54
23 52 23 00-0093	EA	3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1788)..... Note: Includes field assembly of individual sections and testing.	59,628.31	8,216.35
23 52 23 00-0094	EA	3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1888)..... Note: Includes field assembly of individual sections and testing.	61,680.44	8,496.17
23 52 23 00-0095 Gas/Oil Fired Package Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0095)				
23 52 23 00-0096	EA	629 MBH Steam, 730 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 488)..... Note: Fire tested factory assembled package cast iron unit.	19,162.76	704.14
23 52 23 00-0097	EA	845 MBH Steam, 979 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 588)..... Note: Fire tested factory assembled package cast iron unit.	21,624.60	804.73
23 52 23 00-0098	EA	1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 688)..... Note: Fire tested factory assembled package cast iron unit.	24,861.59	905.32
23 52 23 00-0099	EA	1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 788)..... Note: Fire tested factory assembled package cast iron unit.	27,643.37	1,005.91
23 52 23 00-0100	EA	1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 888)..... Note: Fire tested factory assembled package cast iron unit.	29,473.50	1,005.91
23 52 23 00-0101	EA	1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 988)..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	32,763.24	1,106.51
23 52 23 00-0102	EA	1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1088)..... Note: Fire tested factory assembled package cast iron unit.	35,191.95	1,106.51
23 52 23 00-0103	EA	2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1188)..... Note: Fire tested factory assembled package cast iron unit.	37,296.03	1,207.09
23 52 23 00-0104	EA	2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1288)..... Note: Fire tested factory assembled package cast iron unit.	39,643.33	1,207.09
23 52 23 00-0105	EA	2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1388)..... Note: Fire tested factory assembled package cast iron unit.	42,487.04	1,307.68
23 52 23 00-0106	EA	2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1488)..... Note: Fire tested factory assembled package cast iron unit.	44,761.95	1,408.27
23 52 23 00-0107	EA	3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1588)..... Note: Fire tested factory assembled package cast iron unit.	46,051.99	1,408.27
23 52 23 00-0108	EA	3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1688)..... Note: Fire tested factory assembled package cast iron unit.	48,781.00	1,508.86
23 52 23 00-0109	EA	3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1788)..... Note: Fire tested factory assembled package cast iron unit.	50,837.03	1,508.86
23 52 23 00-0110	EA	3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1888)..... Note: Fire tested factory assembled package cast iron unit.	52,929.58	1,609.45
23 52 23 00-0111 Weil-McLain Model 94 Cast Iron Boiler (23 52 23)				
Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.				
23 52 23 00-0112 Gas Fired Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0112)				
Note: Field assembled boilers can only be used in situations where package units cannot be installed.				
23 52 23 00-0113	EA	1,584 MBH Steam, 1,784 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-894)..... Note: Includes field assembly of individual sections and testing.	64,226.96	8,903.18
23 52 23 00-0114	EA	1,800 MBH Steam, 2,050 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-994)..... Note: Includes field assembly of individual sections and testing.	69,557.34	9,411.92
23 52 23 00-0115	EA	2,024 MBH Steam, 2,310 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1094)..... Note: Includes field assembly of individual sections and testing.	74,434.44	9,920.68
23 52 23 00-0116	EA	2,249 MBH Steam, 2,571 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1194)..... Note: Includes field assembly of individual sections and testing.	79,211.58	10,429.43
23 52 23 00-0117	EA	2,474 MBH Steam, 2,834 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1294)..... Note: Includes field assembly of individual sections and testing.	84,032.62	10,938.19
23 52 23 00-0118	EA	2,703 MBH Steam, 3,098 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1394)..... Note: Includes field assembly of individual sections and testing.	90,328.90	11,446.94
23 52 23 00-0119	EA	2,928 MBH Steam, 3,362 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1494)..... Note: Includes field assembly of individual sections and testing.	94,877.18	11,955.69
23 52 23 00-0120	EA	3,154 MBH Steam, 3,628 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1594)..... Note: Includes field assembly of individual sections and testing.	99,281.48	12,464.44
23 52 23 00-0121	EA	3,378 MBH Steam, 3,894 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1694)..... Note: Includes field assembly of individual sections and testing.	106,385.83	12,973.20
23 52 23 00-0122	EA	3,604 MBH Steam, 4,162 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1794)..... Note: Includes field assembly of individual sections and testing.	110,787.64	13,481.95
23 52 23 00-0123	EA	3,834 MBH Steam, 4,430 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1894)..... Note: Includes field assembly of individual sections and testing.	114,577.86	13,990.70

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Central Heating Equipment

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Heating Boilers

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0124 EA 4,059 MBH Steam, 4,700 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	121,438.15	14,499.45
23 52 23 00-0125 EA 4,285 MBH Steam, 4,970 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	125,875.55	15,008.21
23 52 23 00-0126 EA 4,510 MBH Steam, 5,241 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	132,891.71	15,516.96
23 52 23 00-0127 EA 4,781 MBH Steam, 5,568 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	137,557.51	16,025.72
23 52 23 00-0128 EA 4,961 MBH Steam, 5,787 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	142,653.60	16,534.46
23 52 23 00-0129 EA 5,232 MBH Steam, 6,117 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	147,044.84	17,043.22
23 52 23 00-0130 EA 5,413 MBH Steam, 6,338 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	151,559.32	17,551.97
23 52 23 00-0131 Gas Fired Package Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)		
23 52 23 00-0132 EA 1,584 MBH Steam, 1,784 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	56,046.77	1,307.68
23 52 23 00-0133 EA 1,800 MBH Steam, 2,050 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	61,124.22	1,408.27
23 52 23 00-0134 EA 2,024 MBH Steam, 2,310 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	65,745.28	1,508.86
23 52 23 00-0135 EA 2,249 MBH Steam, 2,571 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	70,269.98	1,609.45
23 52 23 00-0136 EA 2,474 MBH Steam, 2,834 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	74,432.50	1,609.45
23 52 23 00-0137 EA 2,703 MBH Steam, 3,098 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	78,849.56	1,710.04
23 52 23 00-0138 EA 2,928 MBH Steam, 3,362 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	82,740.31	1,710.04
23 52 23 00-0139 EA 3,154 MBH Steam, 3,628 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	86,890.04	1,810.64
23 52 23 00-0140 EA 3,378 MBH Steam, 3,894 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	93,337.93	1,810.64
23 52 23 00-0141 EA 3,604 MBH Steam, 4,162 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	97,486.50	1,911.23
23 52 23 00-0142 EA 3,834 MBH Steam, 4,430 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	100,619.29	1,911.23
23 52 23 00-0143 EA 4,059 MBH Steam, 4,700 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	107,227.67	2,011.82
23 52 23 00-0144 EA 4,285 MBH Steam, 4,970 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	111,007.19	2,011.82
23 52 23 00-0145 EA 4,510 MBH Steam, 5,241 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	117,789.85	2,112.41
23 52 23 00-0146 EA 4,781 MBH Steam, 5,568 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	121,776.92	2,112.41
23 52 23 00-0147 EA 4,961 MBH Steam, 5,787 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	126,617.01	2,213.00
23 52 23 00-0148 EA 5,232 MBH Steam, 6,117 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	130,351.82	2,213.00
23 52 23 00-0149 EA 5,413 MBH Steam, 6,338 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	134,611.62	2,313.59
23 52 23 00-0150 Oil Fired Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0151 EA 1,584 MBH Steam, 1,784 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	60,805.21	8,903.18
23 52 23 00-0152 EA 1,800 MBH Steam, 2,050 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	66,135.58	9,411.92
23 52 23 00-0153 EA 2,024 MBH Steam, 2,310 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	72,597.43	9,920.68
23 52 23 00-0154 EA 2,249 MBH Steam, 2,571 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	76,960.61	10,429.43
23 52 23 00-0155 EA 2,474 MBH Steam, 2,834 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	81,499.56	10,938.19
23 52 23 00-0156 EA 2,703 MBH Steam, 3,098 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	87,480.50	11,446.94
23 52 23 00-0157 EA 2,928 MBH Steam, 3,362 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	92,242.06	11,955.69
23 52 23 00-0158 EA 3,154 MBH Steam, 3,628 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	96,648.65	12,464.44
23 52 23 00-0159 EA 3,378 MBH Steam, 3,894 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	104,571.75	12,973.20
23 52 23 00-0160 EA 3,604 MBH Steam, 4,162 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	108,974.71	13,481.95
23 52 23 00-0161 EA 3,834 MBH Steam, 4,430 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	113,376.11	13,990.70
23 52 23 00-0162 EA 4,059 MBH Steam, 4,700 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	121,446.17	14,499.45
23 52 23 00-0163 EA 4,285 MBH Steam, 4,970 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	125,883.58	15,008.21

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0164	EA	4,510 MBH Steam, 5,241 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2194)..... Note: Includes field assembly of individual sections and testing.	133,084.35	15,516.96
23 52 23 00-0165	EA	4,781 MBH Steam, 5,568 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2294)..... Note: Includes field assembly of individual sections and testing.	137,749.01	16,025.72
23 52 23 00-0166	EA	4,961 MBH Steam, 5,787 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2394)..... Note: Includes field assembly of individual sections and testing.	142,746.48	16,534.46
23 52 23 00-0167	EA	5,232 MBH Steam, 6,117 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2494)..... Note: Includes field assembly of individual sections and testing.	147,137.72	17,043.22
23 52 23 00-0168	EA	5,413 MBH Steam, 6,338 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2594)..... Note: Includes field assembly of individual sections and testing.	151,659.09	17,551.97
23 52 23 00-0169 Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)				
23 52 23 00-0170	EA	1,584 MBH Steam, 1,784 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-894)..... Note: Fire tested factory assembled package cast iron unit.	52,439.25	1,307.68
23 52 23 00-0171	EA	1,800 MBH Steam, 2,050 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-994)..... Note: Fire tested factory assembled package cast iron unit.	57,516.70	1,408.27
23 52 23 00-0172	EA	2,024 MBH Steam, 2,310 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094)..... Note: Fire tested factory assembled package cast iron unit.	63,722.50	1,508.86
23 52 23 00-0173	EA	2,249 MBH Steam, 2,571 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194)..... Note: Fire tested factory assembled package cast iron unit.	67,833.24	1,609.45
23 52 23 00-0174	EA	2,474 MBH Steam, 2,834 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294)..... Note: Fire tested factory assembled package cast iron unit.	71,713.68	1,609.45
23 52 23 00-0175	EA	2,703 MBH Steam, 3,098 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394)..... Note: Fire tested factory assembled package cast iron unit.	75,815.39	1,710.04
23 52 23 00-0176	EA	2,928 MBH Steam, 3,362 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494)..... Note: Fire tested factory assembled package cast iron unit.	79,919.43	1,710.04
23 52 23 00-0177	EA	3,154 MBH Steam, 3,628 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594)..... Note: Fire tested factory assembled package cast iron unit.	84,069.16	1,810.64
23 52 23 00-0178	EA	3,378 MBH Steam, 3,894 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694)..... Note: Fire tested factory assembled package cast iron unit.	91,338.09	1,810.64
23 52 23 00-0179	EA	3,604 MBH Steam, 4,162 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794)..... Note: Fire tested factory assembled package cast iron unit.	95,485.51	1,911.23
23 52 23 00-0180	EA	3,834 MBH Steam, 4,430 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894)..... Note: Fire tested factory assembled package cast iron unit.	99,231.78	1,911.23
23 52 23 00-0181	EA	4,059 MBH Steam, 4,700 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994)..... Note: Fire tested factory assembled package cast iron unit.	107,049.93	2,011.82
23 52 23 00-0182	EA	4,285 MBH Steam, 4,970 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094)..... Note: Fire tested factory assembled package cast iron unit.	110,829.45	2,011.82
23 52 23 00-0183	EA	4,510 MBH Steam, 5,241 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194)..... Note: Fire tested factory assembled package cast iron unit.	117,773.79	2,112.41
23 52 23 00-0184	EA	4,781 MBH Steam, 5,568 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294)..... Note: Fire tested factory assembled package cast iron unit.	121,782.66	2,112.41
23 52 23 00-0185	EA	4,961 MBH Steam, 5,787 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394)..... Note: Fire tested factory assembled package cast iron unit.	126,524.13	2,213.00
23 52 23 00-0186	EA	5,232 MBH Steam, 6,117 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494)..... Note: Fire tested factory assembled package cast iron unit.	130,258.93	2,213.00
23 52 23 00-0187	EA	5,413 MBH Steam, 6,338 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594)..... Note: Fire tested factory assembled package cast iron unit.	134,525.62	2,313.59
23 52 23 00-0188 Gas/Oil Fired Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)				
Note: Field assembled boilers can only be used in situations where package units cannot be installed.				
23 52 23 00-0189	EA	1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-894)..... Note: Includes field assembly of individual sections and testing.	65,302.57	8,903.18
23 52 23 00-0190	EA	1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-994)..... Note: Includes field assembly of individual sections and testing.	70,634.09	9,411.92
23 52 23 00-0191	EA	2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1094)..... Note: Includes field assembly of individual sections and testing.	75,804.75	9,920.68
23 52 23 00-0192	EA	2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1194)..... Note: Includes field assembly of individual sections and testing.	80,697.70	10,429.43
23 52 23 00-0193	EA	2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1294)..... Note: Includes field assembly of individual sections and testing.	85,492.37	10,938.19
23 52 23 00-0194	EA	2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1394)..... Note: Includes field assembly of individual sections and testing.	90,867.85	11,446.94
23 52 23 00-0195	EA	2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1494)..... Note: Includes field assembly of individual sections and testing.	96,667.18	11,955.69
23 52 23 00-0196	EA	3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1594)..... Note: Includes field assembly of individual sections and testing.	101,353.56	12,464.44
23 52 23 00-0197	EA	3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1694)..... Note: Includes field assembly of individual sections and testing.	108,637.95	12,973.20
23 52 23 00-0198	EA	3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1794)..... Note: Includes field assembly of individual sections and testing.	113,039.76	13,481.95
23 52 23 00-0199	EA	3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1894)..... Note: Includes field assembly of individual sections and testing.	116,910.24	13,990.70
23 52 23 00-0200	EA	4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1994)..... Note: Includes field assembly of individual sections and testing.	123,848.51	14,499.45
23 52 23 00-0201	EA	4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2094)..... Note: Includes field assembly of individual sections and testing.	129,432.62	15,008.21
23 52 23 00-0202	EA	4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2194)..... Note: Includes field assembly of individual sections and testing.	137,063.40	15,516.96
23 52 23 00-0203	EA	4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2294)..... Note: Includes field assembly of individual sections and testing.	141,694.80	16,025.72

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Central Heating Equipment

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Heating Boilers

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0204 EA 4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2394).....	147,004.18	16,534.46
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0205 EA 5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2494).....	151,396.56	17,043.22
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0206 EA 5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2594).....	155,914.49	17,551.97
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0207 Gas/Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)		
23 52 23 00-0208 EA 1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-894).....	57,206.08	1,307.68
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0209 EA 1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-994).....	62,284.68	1,408.27
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0210 EA 2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094).....	67,202.73	1,508.86
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0211 EA 2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194).....	71,840.96	1,609.45
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0212 EA 2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294).....	75,977.11	1,609.45
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0213 EA 2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394).....	79,472.22	1,710.04
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0214 EA 2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494).....	84,614.02	1,710.04
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0215 EA 3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594).....	89,044.69	1,810.64
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0216 EA 3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694).....	95,674.91	1,810.64
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0217 EA 3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794).....	99,821.18	1,911.23
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0218 EA 3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894).....	103,035.38	1,911.23
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0219 EA 4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994).....	109,721.74	2,011.82
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0220 EA 4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094).....	114,649.11	2,011.82
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0221 EA 4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194).....	122,023.46	2,112.41
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0222 EA 4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294).....	125,999.07	2,112.41
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0223 EA 4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394).....	131,051.30	2,213.00
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0224 EA 5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494).....	134,787.25	2,213.00
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0225 EA 5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594).....	139,051.65	2,313.59
Note: Fire tested factory assembled package cast iron unit.		
23 52 33 Water-Tube Boilers (23 52)		
23 52 33 13 Finned Water-Tube Boilers (23 52 33)		
23 52 33 13-0001 Laars Pennant 85% Efficient Water, Gas Fired, Copper Fin Tube LoNox Boiler (23 52 33 13)		
Note: Rated by gross rated output.		
23 52 33 13-0002 EA 200 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	7,911.95	554.78
23 52 33 13-0003 EA 300 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	8,707.15	616.43
23 52 33 13-0004 EA 400 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	10,003.93	739.70
23 52 33 13-0005 EA 500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	12,770.89	770.53
23 52 33 13-0006 EA 750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	15,003.79	924.63
23 52 33 13-0007 EA 1,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	18,435.37	1,109.56
23 52 33 13-0008 EA 1,250 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	20,938.60	1,171.20
23 52 33 13-0009 EA 1,500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	23,192.21	1,263.67
23 52 33 13-0010 EA 1,750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	25,287.49	1,325.31
23 52 33 13-0011 EA 2,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	27,132.69	1,356.13
23 52 33 13-0012 Patterson Kelly Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (23 52 33 13)		
Note: Rated by gross rated output.		
23 52 33 13-0013 EA 1,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	27,583.95	1,109.56
23 52 33 13-0014 EA 1,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	34,446.89	1,263.67
23 52 33 13-0015 EA 2,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	36,706.16	1,356.13
23 52 33 13-0016 EA 2,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	51,921.77	1,541.06
23 52 33 13-0017 EA 3,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	54,464.03	1,725.98
23 52 33 13-0018 Lochinvar Copper-Fin II Finned Tube Boiler (23 52 33 13)		
Note: Rated by gross rated output.		
23 52 33 13-0019 EA 340 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0402).....	9,286.12	497.81
For High And Low Gas Pressure Switch With Manual Reset, Add	332.33	
For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	294.40	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 13-0020 EA 425 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0502) For High And Low Gas Pressure Switch With Manual Reset, Add For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	11,164.23 332.33 294.40	622.03
23 52 33 13-0021 EA 552.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0652) For High And Low Gas Pressure Switch With Manual Reset, Add For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	12,032.71 332.33 294.40	747.18
23 52 33 13-0022 EA 637.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0752) For High And Low Gas Pressure Switch With Manual Reset, Add For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	12,349.69 332.33 294.40	747.18
23 52 33 13-0023 EA 841.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0992) For High And Low Gas Pressure Switch With Manual Reset, Add For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	15,324.00 332.33 294.40	933.98
23 52 33 13-0024 EA 1,071 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1262) For High And Low Gas Pressure Switch With Manual Reset, Add For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	17,650.33 332.33 294.40	933.98
23 52 33 13-0025 EA 1,224 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1442) For High And Low Gas Pressure Switch With Manual Reset, Add For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	19,189.17 332.33 294.40	933.98
23 52 33 13-0026 EA 1,530 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1802) For High And Low Gas Pressure Switch With Manual Reset, Add For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	20,759.20 332.33 294.40	1,120.77
23 52 33 13-0027 EA 1,759.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN2072) For High And Low Gas Pressure Switch With Manual Reset, Add For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	24,540.86 332.33 294.40	1,307.56
23 52 33 13-0028 Raypak Cupro-Nickel Finned-Tube Boiler With Pump (23 52 33 13) Note: Rated by gross rated output.		
23 52 33 13-0029 EA 385 MBH Water, Gas Fired, On/Off, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H4-399B)	9,085.07	684.22
23 52 33 13-0030 EA 420 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-499B)	9,787.71	616.43
23 52 33 13-0031 EA 546 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-649B)	10,852.60	739.70
23 52 33 13-0032 EA 630 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-749B)	11,527.88	839.73
23 52 33 13-0033 EA 756 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-899B)	12,805.56	924.63
23 52 33 13-0034 EA 832 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-989B)	13,768.19	995.24
23 52 33 13-0035 EA 1,058 MBH Water, Gas Fired, Three Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H8-1259B)	15,720.80	1,109.56
23 52 33 13-0036 EA 1,285 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1529B)	18,199.49	1,171.20
23 52 33 13-0037 EA 1,512 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1799B)	19,322.55	1,263.67
23 52 33 13-0038 EA 1,679 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1999B)	22,974.90	1,294.49
23 52 33 13-0039 EA 1,739 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2069B)	23,068.30	1,325.31
23 52 33 13-0040 EA 1,966 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2339B)	26,880.74	1,356.13
23 52 33 16 Steel Water-Tube Boilers (23 52 33)		
23 52 33 16-0001 Unilux 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (23 52 33 16) Note: Compliant with SCAQMD.		
23 52 33 16-0002 EA 1,250 MBH Input/1,062 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF100)	56,630.28	1,494.36
23 52 33 16-0003 EA 1,750 MBH Input/1,488 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF150)	61,008.14	1,867.95
23 52 33 16-0004 EA 2,200 MBH Input/1,870 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF200)	126,719.98	2,054.74
23 52 33 16-0005 EA 2,750 MBH Input/2,338 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF250)	131,530.28	2,241.54
23 52 33 16-0006 EA 3,000 MBH Input/2,550 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF300)	133,906.00	2,521.73
23 52 33 16-0007 EA 3,750 MBH Input/3,188 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ350)	141,120.78	2,801.92
23 52 33 16-0008 EA 4,300 MBH Input/3,655 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ400)	144,332.66	2,895.32
23 52 33 16-0009 Unilux 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (23 52 33 16) Note: Compliant with SCAQMD.		
23 52 33 16-0010 EA 1,250 MBH, 31 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF100LSG)	66,079.17	1,681.15
23 52 33 16-0011 EA 1,750 MBH, 43.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF150LSG)	69,462.79	1,961.34
23 52 33 16-0012 EA 2,200 MBH, 54.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF200LSG)	135,982.07	2,148.14
23 52 33 16-0013 EA 2,750 MBH, 68 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF250LSG)	144,421.66	2,334.93
23 52 33 16-0014 EA 3,000 MBH, 74 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF300LSG)	147,416.62	2,521.73
23 52 33 16-0015 EA 3,750 MBH, 93 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF350LSG)	153,219.78	2,801.92
23 52 33 16-0016 EA 4,300 MBH, 106.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF400LSG)	158,438.04	2,988.72
23 52 33 16-0017 EA 5,400 MBH, 134 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF500LSG)	156,184.60	3,175.51

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Central Heating Equipment

23 50

Heating Boilers

23 52

23

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16-0018	EA	6,250 MBH, 155 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF600LSG).....	169,060.91	3,362.31	
23 52 33 16-0019	EA	7,235 MBH, 179 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF700LSG).....	177,904.22	3,549.10	
23 52 33 16-0020	EA	8,270 MBH, 205 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF800LSG).....	182,512.67	3,735.89	
23 52 33 16-0021 Unilux 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (23 52 33 16)					
Note: Compliant with SCAQMD.					
23 52 33 16-0022	EA	1,250 MBH, 31 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100HS).....	71,120.07	1,681.15	
23 52 33 16-0023	EA	1,750 MBH, 43.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150HS).....	75,513.00	1,961.34	
23 52 33 16-0024	EA	2,200 MBH, 54.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200HS).....	142,838.31	2,148.14	
23 52 33 16-0025	EA	2,750 MBH, 68 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250HS).....	151,479.76	2,334.93	
23 52 33 16-0026	EA	3,000 MBH, 74 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300HS).....	154,474.72	2,521.73	
23 52 33 16-0027	EA	3,750 MBH, 93 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350HS).....	159,269.98	2,801.92	
23 52 33 16-0028	EA	4,300 MBH, 106.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400HS).....	164,685.87	2,988.72	
23 52 33 16-0029	EA	5,400 MBH, 134 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500HS).....	162,032.94	3,175.51	
23 52 33 16-0030	EA	6,250 MBH, 155 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600HS).....	175,918.56	3,362.31	
23 52 33 16-0031	EA	7,235 MBH, 179 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700HS).....	181,534.91	3,549.10	
23 52 33 16-0032	EA	8,270 MBH, 205 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800HS).....	189,370.32	3,735.89	
23 52 33 16-0033	EA	9,300 MBH, 230 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 900HS).....	210,514.49	3,922.69	
23 52 33 16-0034	EA	10,330 MBH, 256 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1000HS).....	303,953.36	4,109.49	
23 52 33 16-0035	EA	12,400 MBH, 307 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1200HS).....	319,350.82	4,296.28	
23 52 36 Fire-Box Boiler (23 52)					
23 52 36 00-0001 Package Oil Fired Firebox Boilers (23 52 36)					
Note: Prices are good for 15 PSI steam or 30 PSI water. Packaged type, complete with burner and all basic safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Normally required (Boiler HP) boiler sizes are based on HP rating and gross output.					
23 52 36 00-0002	EA	40 HP, 1,339 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	78,219.86	2,414.18	
23 52 36 00-0003	EA	46 HP, 1,553 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	81,763.52	2,615.37	
23 52 36 00-0004	EA	53 HP, 1,784 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	85,592.71	2,816.55	
23 52 36 00-0005	EA	61 HP, 2,062 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	92,563.17	3,017.73	
23 52 36 00-0006	EA	69 HP, 2,313 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	96,677.90	3,218.92	
23 52 36 00-0007	EA	80 HP, 2,678 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	100,721.38	3,420.10	
23 52 36 00-0008	EA	100 HP, 3,348 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	112,061.02	3,621.27	
23 52 36 00-0009	EA	127 HP, 4,251 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	129,700.11	4,023.64	
23 52 36 00-0010	EA	151 HP, 5,055 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	147,639.09	4,426.00	
23 52 36 00-0011	EA	183 HP, 6,126 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	161,966.08	4,878.67	
23 52 36 00-0012	EA	220 HP, 7,388 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	176,293.20	5,331.33	
23 52 36 00-0013	EA	257 HP, 8,606 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	185,243.25	6,236.64	
23 52 36 00-0014	EA	294 HP, 9,842 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	225,819.97	7,141.96	
23 52 36 00-0015	EA	368 HP, 12,302 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	267,396.16	8,047.29	
23 52 36 00-0016	EA	441 HP, 14,766 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	309,387.78	9,053.19	
23 52 36 00-0017	EA	514 HP, 17,220 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	350,448.02	9,807.63	
23 52 39 Fire-Tube Boilers (23 52)					
23 52 39 13 Scotch Marine Boilers (23 52 39)					
23 52 39 13-0001 15 PSI Steam Scotch Marine Boilers (23 52 39 13)					
Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.					
23 52 39 13-0002 15 PSI Gas Fired Steam Scotch Marine Boilers (23 52 39 13-0001)					
23 52 39 13-0003	EA	30 HP, 1,033 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler.....	62,298.56	1,106.51	
Note: Burnham Series 3. Fire tested factory assembled unit.					
23 52 39 13-0004	EA	40 HP, 1,339 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler.....	67,054.36	1,207.09	
Note: Burnham Series 3. Fire tested factory assembled unit.					
23 52 39 13-0005	EA	50 HP, 1,674 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler.....	72,830.33	1,307.68	
Note: Burnham Series 3. Fire tested factory assembled unit.					
23 52 39 13-0006	EA	60 HP, 2,009 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler.....	76,057.22	1,508.86	
Note: Burnham Series 3. Fire tested factory assembled unit.					

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0007	EA	70 HP, 2,343 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	79,687.67	1,609.45
23 52 39 13-0008	EA	80 HP, 2,678 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	83,410.50	1,710.04
23 52 39 13-0009	EA	90 HP, 3,013 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	85,985.64	1,760.34
23 52 39 13-0010	EA	100 HP, 3,348 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	90,783.20	1,810.64
23 52 39 13-0011	EA	125 HP, 4,184 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	102,655.18	2,011.82
23 52 39 13-0012	EA	150 HP, 5,021 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	116,669.55	2,213.00
23 52 39 13-0013	EA	175 HP, 5,858 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	127,967.29	2,439.33
23 52 39 13-0014	EA	200 HP, 6,695 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	139,262.97	2,665.66
23 52 39 13-0015	EA	250 HP, 8,369 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	146,804.94	3,118.32
23 52 39 13-0016	EA	300 HP, 10,043 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	178,602.17	3,570.99
23 52 39 13-0017	EA	350 HP, 11,716 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	193,305.07	4,023.64
23 52 39 13-0018	EA	400 HP, 13,390 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	227,677.12	4,476.30
23 52 39 13-0019	EA	500 HP, 16,738 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	276,671.00	4,928.96
23 52 39 13-0020	EA	600 HP, 20,085 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	323,773.95	5,381.62
23 52 39 13-0021	EA	700 HP, 23,433 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	368,869.81	5,834.28
23 52 39 13-0022	EA	800 HP, 26,780 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	412,149.36	6,286.94
23 52 39 13-0023	EA	900 HP, 30,128 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	642,498.28	6,739.60
23 52 39 13-0024	EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	699,098.35	7,192.26
23 52 39 13-0025 15 PSI Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0001)				
23 52 39 13-0026	EA	30 HP, 1,033 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	57,717.30	1,106.51
23 52 39 13-0027	EA	40 HP, 1,339 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	62,128.28	1,207.09
23 52 39 13-0028	EA	50 HP, 1,674 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	67,475.90	1,307.68
23 52 39 13-0029	EA	60 HP, 2,009 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	73,495.66	1,508.86
23 52 39 13-0030	EA	70 HP, 2,343 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	76,666.34	1,609.45
23 52 39 13-0031	EA	80 HP, 2,678 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	79,832.31	1,710.04
23 52 39 13-0032	EA	90 HP, 3,013 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	82,804.39	1,760.34
23 52 39 13-0033	EA	100 HP, 3,348 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	88,747.08	1,810.64
23 52 39 13-0034	EA	125 HP, 4,184 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	102,752.28	2,011.82
23 52 39 13-0035	EA	150 HP, 5,021 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	116,775.21	2,213.00
23 52 39 13-0036	EA	175 HP, 5,858 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	128,084.38	2,439.33
23 52 39 13-0037	EA	200 HP, 6,695 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	139,391.48	2,665.66
23 52 39 13-0038	EA	250 HP, 8,369 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	146,939.16	3,118.32
23 52 39 13-0039	EA	300 HP, 10,043 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	178,767.80	3,570.99
23 52 39 13-0040	EA	350 HP, 11,716 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	193,482.13	4,023.64
23 52 39 13-0041	EA	400 HP, 13,390 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	227,888.45	4,476.30
23 52 39 13-0042	EA	500 HP, 16,738 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	276,928.02	4,928.96
23 52 39 13-0043	EA	600 HP, 20,085 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	324,076.66	5,381.62
23 52 39 13-0044	EA	700 HP, 23,433 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	369,215.35	5,834.28
23 52 39 13-0045	EA	800 HP, 26,780 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	412,537.73	6,286.94
23 52 39 13-0046	EA	900 HP, 30,128 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	643,112.14	6,739.60
23 52 39 13-0047	EA	1,000 HP, 33,476 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	699,769.89	7,192.26

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Central Heating Equipment

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Heating Boilers

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MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0048	15 PSI Gas/Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0001)			
23 52 39 13-0049	EA	30 HP, 1,033 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	64,303.69	1,106.51
23 52 39 13-0050	EA	40 HP, 1,339 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	69,210.41	1,207.09
23 52 39 13-0051	EA	50 HP, 1,674 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	75,169.15	1,307.68
23 52 39 13-0052	EA	60 HP, 2,009 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	78,964.33	1,508.86
23 52 39 13-0053	EA	70 HP, 2,343 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	82,360.61	1,609.45
23 52 39 13-0054	EA	80 HP, 2,678 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	85,752.17	1,710.04
23 52 39 13-0055	EA	90 HP, 3,013 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	88,947.00	1,760.34
23 52 39 13-0056	EA	100 HP, 3,348 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	92,142.51	1,810.64
23 52 39 13-0057	EA	125 HP, 4,184 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	106,698.85	2,011.82
23 52 39 13-0058	EA	150 HP, 5,021 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	121,272.94	2,213.00
23 52 39 13-0059	EA	175 HP, 5,858 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	133,016.17	2,439.33
23 52 39 13-0060	EA	200 HP, 6,695 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	144,754.48	2,665.66
23 52 39 13-0061	EA	250 HP, 8,369 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	152,542.04	3,118.32
23 52 39 13-0062	EA	300 HP, 10,043 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	185,621.48	3,570.99
23 52 39 13-0063	EA	350 HP, 11,716 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	200,872.68	4,023.64
23 52 39 13-0064	EA	400 HP, 13,390 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	236,638.31	4,476.30
23 52 39 13-0065	EA	500 HP, 16,738 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	287,645.46	4,928.96
23 52 39 13-0066	EA	600 HP, 20,085 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	336,681.72	5,381.62
23 52 39 13-0067	EA	700 HP, 23,433 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	383,628.07	5,834.28
23 52 39 13-0068	EA	800 HP, 26,780 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	428,678.15	6,286.94
23 52 39 13-0069	EA	900 HP, 30,128 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	668,787.36	6,739.60
23 52 39 13-0070	EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	727,727.54	7,192.26
23 52 39 13-0071	125 PSI Water Scotch Marine Boilers (23 52 39 13) Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.			
23 52 39 13-0072	125 PSI Gas Fired Water Scotch Marine Boilers (23 52 39 13-0071)			
23 52 39 13-0073	EA	40 HP, 1,339 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	73,779.53	1,207.09
23 52 39 13-0074	EA	50 HP, 1,674 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	82,808.15	1,307.68
23 52 39 13-0075	EA	60 HP, 2,009 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	88,933.58	1,508.86
23 52 39 13-0076	EA	70 HP, 2,343 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	95,602.49	1,609.45
23 52 39 13-0077	EA	80 HP, 2,678 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	102,412.33	1,710.04
23 52 39 13-0078	EA	90 HP, 3,013 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	107,837.45	1,760.34
23 52 39 13-0079	EA	100 HP, 3,348 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	116,130.39	1,810.64
23 52 39 13-0080	EA	125 HP, 4,184 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	124,572.68	2,011.82
23 52 39 13-0081	EA	150 HP, 5,021 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	135,799.89	2,213.00
23 52 39 13-0082	EA	175 HP, 5,858 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	144,433.26	2,439.33
23 52 39 13-0083	EA	200 HP, 6,695 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	149,503.51	2,665.66
23 52 39 13-0084	EA	250 HP, 8,369 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	181,010.52	3,118.32
23 52 39 13-0085	EA	300 HP, 10,043 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	210,768.77	3,570.99
23 52 39 13-0086	EA	350 HP, 11,716 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	227,127.99	4,023.64
23 52 39 13-0087	EA	400 HP, 13,390 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	253,421.26	4,476.30

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0088	EA	500 HP, 16,738 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	307,215.57	4,928.96
23 52 39 13-0089	EA	600 HP, 20,085 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	359,695.80	5,381.62
23 52 39 13-0090	EA	700 HP, 23,433 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	409,940.49	5,834.28
23 52 39 13-0091	EA	800 HP, 26,780 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	458,148.97	6,286.94
23 52 39 13-0092	EA	900 HP, 30,128 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	715,663.58	6,739.60
23 52 39 13-0093	EA	1,000 HP, 33,476 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	778,773.10	7,192.26
23 52 39 13-0094		125 PSI Oil Fired Water Scotch Marine Boilers (23 52 39 13-0071)		
23 52 39 13-0095	EA	40 HP, 1,339 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	68,319.43	1,207.09
23 52 39 13-0096	EA	50 HP, 1,674 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	76,662.68	1,307.68
23 52 39 13-0097	EA	60 HP, 2,009 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	85,897.97	1,508.86
23 52 39 13-0098	EA	70 HP, 2,343 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	91,927.21	1,609.45
23 52 39 13-0099	EA	80 HP, 2,678 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	97,948.87	1,710.04
23 52 39 13-0100	EA	90 HP, 3,013 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	103,773.79	1,760.34
23 52 39 13-0101	EA	100 HP, 3,348 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	113,474.59	1,810.64
23 52 39 13-0102	EA	125 HP, 4,184 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	124,689.76	2,011.82
23 52 39 13-0103	EA	150 HP, 5,021 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	135,925.54	2,213.00
23 52 39 13-0104	EA	175 HP, 5,858 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	144,567.48	2,439.33
23 52 39 13-0105	EA	200 HP, 6,695 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	149,643.44	2,665.66
23 52 39 13-0106	EA	250 HP, 8,369 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	181,179.00	3,118.32
23 52 39 13-0107	EA	300 HP, 10,043 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	210,965.82	3,570.99
23 52 39 13-0108	EA	350 HP, 11,716 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	227,339.31	4,023.64
23 52 39 13-0109	EA	400 HP, 13,390 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	253,658.28	4,476.30
23 52 39 13-0110	EA	500 HP, 16,738 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	307,504.00	4,928.96
23 52 39 13-0111	EA	600 HP, 20,085 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	360,035.63	5,381.62
23 52 39 13-0112	EA	700 HP, 23,433 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	410,328.87	5,834.28
23 52 39 13-0113	EA	800 HP, 26,780 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	458,583.04	6,286.94
23 52 39 13-0114	EA	900 HP, 30,128 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	716,351.61	6,739.60
23 52 39 13-0115	EA	1,000 HP, 33,476 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	779,522.92	7,192.26
23 52 39 13-0116		125 PSI Gas/Oil Fired Water Scotch Marine Boilers (23 52 39 13-0071)		
23 52 39 13-0117	EA	40 HP, 1,339 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	76,166.90	1,207.09
23 52 39 13-0118	EA	50 HP, 1,674 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	85,492.51	1,307.68
23 52 39 13-0119	EA	60 HP, 2,009 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	92,374.69	1,508.86
23 52 39 13-0120	EA	70 HP, 2,343 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	98,857.99	1,609.45
23 52 39 13-0121	EA	80 HP, 2,678 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	105,336.56	1,710.04
23 52 39 13-0122	EA	90 HP, 3,013 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	111,618.40	1,760.34
23 52 39 13-0123	EA	100 HP, 3,348 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	117,900.93	1,810.64
23 52 39 13-0124	EA	125 HP, 4,184 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	129,550.17	2,011.82
23 52 39 13-0125	EA	150 HP, 5,021 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	141,220.01	2,213.00
23 52 39 13-0126	EA	175 HP, 5,858 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	150,184.64	2,439.33
23 52 39 13-0127	EA	200 HP, 6,695 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	155,434.80	2,665.66
23 52 39 13-0128	EA	250 HP, 8,369 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	188,209.74	3,118.32

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Central Heating Equipment

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Heating Boilers

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0129 EA 300 HP, 10,043 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	219,161.68	3,570.99
23 52 39 13-0130 EA 350 HP, 11,716 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	236,140.57	4,023.64
23 52 39 13-0131 EA 400 HP, 13,390 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	263,481.89	4,476.30
23 52 39 13-0132 EA 500 HP, 16,738 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	319,497.94	4,928.96
23 52 39 13-0133 EA 600 HP, 20,085 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	374,139.93	5,381.62
23 52 39 13-0134 EA 700 HP, 23,433 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	426,455.00	5,834.28
23 52 39 13-0135 EA 800 HP, 26,780 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	476,642.49	6,286.94
23 52 39 13-0136 EA 900 HP, 30,128 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	745,079.67	6,739.60
23 52 39 13-0137 EA 1,000 HP, 33,476 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	810,801.20	7,192.26
23 52 39 13-0138 150 PSI Steam Scotch Marine Boilers (23 52 39 13) Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.		
23 52 39 13-0139 150 PSI Gas Fired Steam Scotch Marine Boilers (23 52 39 13-0138)		
23 52 39 13-0140 EA 40 HP, 1,339 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	85,722.07	1,207.09
23 52 39 13-0141 EA 50 HP, 1,674 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	93,108.66	1,307.68
23 52 39 13-0142 EA 60 HP, 2,009 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	97,063.75	1,508.86
23 52 39 13-0143 EA 70 HP, 2,343 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	101,662.29	1,609.45
23 52 39 13-0144 EA 80 HP, 2,678 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	106,381.75	1,710.04
23 52 39 13-0145 EA 90 HP, 3,013 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	109,670.81	1,760.34
23 52 39 13-0146 EA 100 HP, 3,348 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	115,847.68	1,810.64
23 52 39 13-0147 EA 125 HP, 4,184 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	131,040.84	2,011.82
23 52 39 13-0148 EA 150 HP, 5,021 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	149,013.21	2,213.00
23 52 39 13-0149 EA 175 HP, 5,858 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	163,429.37	2,439.33
23 52 39 13-0150 EA 200 HP, 6,695 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	177,843.48	2,665.66
23 52 39 13-0151 EA 250 HP, 8,369 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	187,104.58	3,118.32
23 52 39 13-0152 EA 300 HP, 10,043 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	227,900.12	3,570.99
23 52 39 13-0153 EA 350 HP, 11,716 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	246,449.60	4,023.64
23 52 39 13-0154 EA 400 HP, 13,390 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	290,613.90	4,476.30
23 52 39 13-0155 EA 500 HP, 16,738 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	353,766.34	4,928.96
23 52 39 13-0156 EA 600 HP, 20,085 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	414,439.57	5,381.62
23 52 39 13-0157 EA 700 HP, 23,433 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	472,531.72	5,834.28
23 52 39 13-0158 EA 800 HP, 26,780 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	528,250.70	6,286.94
23 52 39 13-0159 EA 900 HP, 30,128 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	827,164.56	6,739.60
23 52 39 13-0160 EA 1,000 HP, 33,476 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	900,178.31	7,192.26
23 52 39 13-0161 150 PSI Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0138)		
23 52 39 13-0162 EA 40 HP, 1,339 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	79,316.73	1,207.09
23 52 39 13-0163 EA 50 HP, 1,674 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	86,149.32	1,307.68
23 52 39 13-0164 EA 60 HP, 2,009 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	93,731.15	1,508.86
23 52 39 13-0165 EA 70 HP, 2,343 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	97,735.70	1,609.45
23 52 39 13-0166 EA 80 HP, 2,678 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	101,732.67	1,710.04
23 52 39 13-0167 EA 90 HP, 3,013 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	105,532.90	1,760.34

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0168 EA 100 HP, 3,348 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	113,197.59	1,810.64
23 52 39 13-0169 EA 125 HP, 4,184 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	131,163.64	2,011.82
23 52 39 13-0170 EA 150 HP, 5,021 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	149,153.14	2,213.00
23 52 39 13-0171 EA 175 HP, 5,858 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	163,583.58	2,439.33
23 52 39 13-0172 EA 200 HP, 6,695 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	178,011.96	2,665.66
23 52 39 13-0173 EA 250 HP, 8,369 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	187,278.78	3,118.32
23 52 39 13-0174 EA 300 HP, 10,043 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	228,114.30	3,570.99
23 52 39 13-0175 EA 350 HP, 11,716 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	246,680.91	4,023.64
23 52 39 13-0176 EA 400 HP, 13,390 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	290,888.04	4,476.30
23 52 39 13-0177 EA 500 HP, 16,738 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	354,100.45	4,928.96
23 52 39 13-0178 EA 600 HP, 20,085 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	414,833.66	5,381.62
23 52 39 13-0179 EA 700 HP, 23,433 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	472,980.07	5,834.28
23 52 39 13-0180 EA 800 HP, 26,780 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	528,753.30	6,286.94
23 52 39 13-0181 EA 900 HP, 30,128 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	827,963.82	6,739.60
23 52 39 13-0182 EA 1,000 HP, 33,476 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	901,051.73	7,192.26
23 52 39 13-0183 150 PSI Gas/Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0138)		
23 52 39 13-0184 EA 40 HP, 1,339 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	88,523.51	1,207.09
23 52 39 13-0185 EA 50 HP, 1,674 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	96,149.98	1,307.68
23 52 39 13-0186 EA 60 HP, 2,009 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	100,841.84	1,508.86
23 52 39 13-0187 EA 70 HP, 2,343 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	105,137.67	1,609.45
23 52 39 13-0188 EA 80 HP, 2,678 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	109,425.93	1,710.04
23 52 39 13-0189 EA 90 HP, 3,013 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	113,520.30	1,760.34
23 52 39 13-0190 EA 100 HP, 3,348 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	117,612.50	1,810.64
23 52 39 13-0191 EA 125 HP, 4,184 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	136,295.33	2,011.82
23 52 39 13-0192 EA 150 HP, 5,021 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	154,998.76	2,213.00
23 52 39 13-0193 EA 175 HP, 5,858 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	169,991.77	2,439.33
23 52 39 13-0194 EA 200 HP, 6,695 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	184,985.58	2,665.66
23 52 39 13-0195 EA 250 HP, 8,369 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	194,563.67	3,118.32
23 52 39 13-0196 EA 300 HP, 10,043 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	237,024.08	3,570.99
23 52 39 13-0197 EA 350 HP, 11,716 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	256,287.49	4,023.64
23 52 39 13-0198 EA 400 HP, 13,390 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	302,262.30	4,476.30
23 52 39 13-0199 EA 500 HP, 16,738 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	368,036.27	4,928.96
23 52 39 13-0200 EA 600 HP, 20,085 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	431,219.66	5,381.62
23 52 39 13-0201 EA 700 HP, 23,433 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	491,716.32	5,834.28
23 52 39 13-0202 EA 800 HP, 26,780 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	549,736.98	6,286.94
23 52 39 13-0203 EA 900 HP, 30,128 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	861,339.13	6,739.60
23 52 39 13-0204 EA 1,000 HP, 33,476 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	937,393.37	7,192.26

23 53 Heating Boiler Feedwater Equipment (23 50)**23 53 13 Boiler Feedwater Pumps (23 53)**

See CSI section 23 53 16 00-0001 for boiler feedwater units.

23 53 16 Deaerators (23 53)

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Central Heating Equipment

23 50

Heating Boiler Feedwater Equipment

23 53

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 53 16 00-0001 Boiler Feed System (23 53 16)		
23 53 16 00-0002 Low Pressure Boiler Feed System (23 53 16 00-0001)		
Note: With deaerator includes pumps and accessories.		
23 53 16 00-0003 EA 20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	5,014.15	1,167.04
23 53 16 00-0004 EA 34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	5,478.06	1,374.90
23 53 16 00-0005 EA 54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	5,853.89	1,423.06
23 53 16 00-0006 EA 67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	6,045.15	1,475.28
23 53 16 00-0007 EA 78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	6,405.38	1,576.67
23 53 16 00-0008 EA 104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	9,787.41	1,708.48
23 53 16 00-0009 EA 158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	10,986.07	1,825.09
23 53 16 00-0010 EA 219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	12,585.43	2,078.57
23 53 16 00-0011 EA 254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	13,818.53	2,230.66
23 53 16 00-0012 EA 305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	14,875.81	2,382.75
23 53 16 00-0013 High Pressure Boiler Feed System (23 53 16 00-0001)		
Note: With deaerator includes pumps and accessories.		
23 53 16 00-0014 EA 10 HP, 100 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	6,606.65	994.98
23 53 16 00-0015 EA 20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	6,954.71	1,167.04
23 53 16 00-0016 EA 34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	7,786.42	1,374.90
23 53 16 00-0017 EA 54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	8,378.77	1,423.06
23 53 16 00-0018 EA 67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	8,539.03	1,475.28
23 53 16 00-0019 EA 78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	10,197.56	1,576.67
23 53 16 00-0020 EA 104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	13,073.61	1,708.48
23 53 16 00-0021 EA 158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	13,455.83	1,825.09
23 53 16 00-0022 EA 183 HP, 1,800 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	14,765.96	1,954.47
23 53 16 00-0023 EA 219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	15,874.57	2,078.57
23 53 16 00-0024 EA 254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	16,982.37	2,230.66
23 53 16 00-0025 EA 305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	18,316.92	2,382.75
23 53 16 00-0026 Boiler Feedwater System (23 53 16)		
Note: With deaerator includes pumps and accessories.		
23 53 16 00-0027 EA 1,380 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	8,328.64	1,374.90
23 53 16 00-0028 EA 2,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	10,738.26	1,575.15
23 53 16 00-0029 EA 4,300 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	14,021.36	1,802.78
23 53 16 00-0030 EA 6,900 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	16,819.39	2,079.58
23 53 16 00-0031 EA 8,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	17,862.95	2,230.66
23 53 16 00-0032 EA 11,000 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	18,865.11	2,382.75
23 53 16 00-0033 EA 13,800 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	21,043.42	2,737.74
23 53 16 00-0034 EA 17,250 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	26,999.32	3,143.41
23 53 16 00-0035 EA 20,700 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	34,806.65	3,632.13
23 53 16 00-0036 EA 27,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	43,862.54	4,169.31
23 53 16 00-0037 EA 34,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	55,881.08	4,796.94
23 53 16 00-0038 Duplex Vacuum Condensate Pumps (23 53 16)		
23 53 16 00-0039 EA 7 CFM, 15 GPM, 45 Gallon Duplex Vacuum Condensate Pump.....	21,509.22	811.15
Note: Two 3/4 HP vacuum pumps rated for 7 CFM, two 3/4 HP condensate pumps rated for 15 GPM at 20 PSI and 45 GAL cast iron receiver. Skidmore JVC-7-45-102.		
23 53 16 00-0040 EA 9 CFM, 30 GPM, 45 Gallon Duplex Vacuum Condensate Pump.....	22,009.81	861.85
Note: Two 1 HP vacuum pumps rated for 9 CFM, two 3/4 HP condensate pumps rated for 30 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-9-45-201.5.		
23 53 16 00-0041 EA 12 CFM, 45 GPM, 45 Gallon Duplex Vacuum Condensate Pump.....	22,582.97	912.55
Note: Two 1-1/2 HP vacuum pumps rated for 12 CFM, two 1 HP condensate pumps rated for 45 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-12-45-301.5.		
23 53 16 00-0042 EA 18 CFM, 37.5 GPM, 65 Gallon Duplex Vacuum Condensate Pump.....	21,865.76	963.24
Note: Two 2 HP vacuum pumps rated for 18 CFM, two 1 HP condensate pumps rated for 37.5 GPM at 20 PSI and 65 GAL cast iron receiver. Skidmore JVC-18-65-252.		
23 53 16 00-0043 EA 28 CFM, 60 GPM, 110 Gallon Duplex Vacuum Condensate Pump.....	29,535.70	1,013.94
Note: Two 3 HP vacuum pumps rated for 28 CFM, two 1-1/2 HP condensate pumps rated for 60 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-28-110-402.		
23 53 16 00-0044 EA 42 CFM, 75 GPM, 110 Gallon Duplex Vacuum Condensate Pump.....	31,088.69	1,064.64
Note: Two 5 HP vacuum pumps rated for 42 CFM, two 2 HP condensate pumps rated for 75 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-42-110-502.		
23 54 Furnaces (23 50)		
Note: All units based on output. See CSI section 23 84 13 00-0000 for humidifiers.		
23 54 13 Electric-Resistance Furnaces (23 54)		
23 54 13 00-0001 Down Flow Multi-Speed Air Handler/Electric Furnace (23 54 13)		
23 54 13 00-0002 EA Up To 2 Ton Down Flow Multi-Speed Air Handler/Electric Furnace.....	1,080.77	89.96
Note: Excludes cooling equipment.		
23 54 13 00-0003 EA >2 To 3.5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace	1,433.03	112.45
Note: Excludes cooling equipment.		
23 54 13 00-0004 EA >3.5 To 5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace	1,862.53	134.95
Note: Excludes cooling equipment.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 54 Furnaces**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 13 00-0005		Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace (23 54 13)		
23 54 13 00-0006	EA	Up To 2 Ton Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,080.77	89.96
23 54 13 00-0007	EA	>2 To 2.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace..... Note: Excludes cooling equipment.	1,297.93	101.20
23 54 13 00-0008	EA	>2.5 To 3 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace..... Note: Excludes cooling equipment.	1,416.93	112.45
23 54 13 00-0009	EA	>3 To 3.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,478.01	123.70
23 54 13 00-0010	EA	>3.5 To 5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace..... Note: Excludes cooling equipment.	1,862.53	134.95
23 54 13 00-0011		Heating Coil For Air Handler/Electric Furnace (23 54 13)		
23 54 13 00-0012	EA	5 KW Heating Coil For Air Handler/Electric Furnace.....	195.35	26.72
23 54 13 00-0013	EA	7 KW Heating Coil For Air Handler/Electric Furnace.....	223.73	29.39
23 54 13 00-0014	EA	10 KW Heating Coil For Air Handler/Electric Furnace.....	242.47	32.06
23 54 13 00-0015	EA	15 KW Heating Coil For Air Handler/Electric Furnace.....	333.62	34.73
23 54 13 00-0016	EA	20 KW Heating Coil For Air Handler/Electric Furnace.....	360.39	37.40
23 54 16		Fuel-Fired Furnaces (23 54)		
23 54 16 13		Gas-Fired Furnaces (23 54 16)		
23 54 16 13-0001		Natural Gas Fired Forced Air Furnaces (23 54 16 13) Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
23 54 16 13-0002		Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0003	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,750.28	78.71
23 54 16 13-0004	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,859.62	89.96
23 54 16 13-0005	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,147.59	101.20
23 54 16 13-0006	EA	100 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,506.28	123.70
23 54 16 13-0007	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,671.95	134.95
23 54 16 13-0008		Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0009	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,956.24	78.71
23 54 16 13-0010	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,139.62	89.96
23 54 16 13-0011	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,264.69	101.20
23 54 16 13-0012	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3.5 tons.	2,041.29	112.45
23 54 16 13-0013	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,668.81	123.70
23 54 16 13-0014	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,810.35	134.95
23 54 16 13-0015		Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0016	EA	45 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,714.79	78.71
23 54 16 13-0017	EA	70 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,968.98	89.96
23 54 16 13-0018	EA	90 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,123.31	112.45
23 54 16 13-0019	EA	90 MBH, 2,000 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,264.84	123.70
23 54 16 13-0020		Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0021	EA	40 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,271.64	78.71
23 54 16 13-0022	EA	60 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,387.44	89.96
23 54 16 13-0023	EA	80 MBH, 1,600 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,657.70	101.20
23 54 16 13-0024	EA	100 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,892.49	123.70
23 54 16 13-0025	EA	120 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,098.39	134.95
23 54 16 13-0026		Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace (23 54 16 13-0001)		

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Central Heating Equipment

23 50

Furnaces

23 54

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0027 EA 40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,553.94	78.71
23 54 16 13-0028 EA 60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,632.72	89.96
23 54 16 13-0029 EA 80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,820.92	101.20
23 54 16 13-0030 EA 80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	1,837.01	101.20
23 54 16 13-0031 EA 80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	2,002.68	112.45
23 54 16 13-0032 EA 100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	2,107.20	123.70
23 54 16 13-0033 EA 120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	2,231.03	134.95
23 54 16 13-0034 Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0035 EA 40 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,059.91	78.71
23 54 16 13-0036 EA 60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,156.40	89.96
23 54 16 13-0037 EA 60 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	1,323.68	101.20
23 54 16 13-0038 EA 80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	1,325.29	101.20
23 54 16 13-0039 EA 80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,453.94	112.45
23 54 16 13-0040 EA 100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,486.05	123.70
23 54 16 13-0041 EA 120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,653.33	134.95
23 54 16 13-0042 Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0043 EA 40 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,076.01	78.71
23 54 16 13-0044 EA 60 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,161.23	89.96
23 54 16 13-0045 EA 80 MBH, 1,600 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	1,396.09	101.20
23 54 16 13-0046 EA 100 MBH, 2,000 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,536.01	112.45
23 54 16 13-0047 75% AFUE Gas Wall/Recessed Furnace (23 54 16 13-0001)		
23 54 16 13-0048 EA 35 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace.....	1,880.62	67.47
23 54 16 13-0049 EA 55 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace.....	2,165.33	84.38
23 54 16 13-0050 EA 35 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,695.56	67.47
23 54 16 13-0051 EA 40 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,811.38	73.14
23 54 16 13-0052 EA 50 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,790.43	78.71
23 54 16 13-0053 EA 65 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,841.96	84.38
23 54 16 13-0054 EA 75 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,909.67	84.38
23 54 16 13-0055 Gas Fired Indoor Duct Furnace (23 54 16 13-0001) Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0056 Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace (23 54 16 13-0055)		
23 54 16 13-0057 EA 100 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	2,120.40	175.43
23 54 16 13-0058 EA 150 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	2,357.84	215.91
23 54 16 13-0059 EA 200 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	2,663.30	310.37
23 54 16 13-0060 EA 250 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	3,003.73	350.85
23 54 16 13-0061 EA 300 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	3,501.83	404.84
23 54 16 13-0062 EA 350 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	3,840.05	485.80
23 54 16 13-0063 EA 400 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	4,361.98	647.74
23 54 16 13-0064 Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace (23 54 16 13-0055) Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0065 EA 100 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	2,379.16	175.43
23 54 16 13-0066 EA 150 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	2,612.74	215.91
23 54 16 13-0067 EA 200 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	3,013.46	310.37
23 54 16 13-0068 EA 250 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	3,416.97	350.85
23 54 16 13-0069 EA 300 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	4,215.03	404.84
23 54 16 13-0070 EA 350 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	4,613.75	485.80
23 54 16 13-0071 EA 400 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	5,093.20	647.74
23 54 16 16 Oil-Fired Furnaces (23 54 16)		
23 54 16 16-0001 Oil Fired Forced Air Furnaces (23 54 16 16) Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 54 Furnaces**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 54 16 16-0002	Up Flow Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		
23 54 16 16-0003	EA 72 MBH, 1,220 CFM Up Flow Single Speed, One Stage 84% AFUE Oil Furnace.....	3,050.43	89.96
	Note: Blower cooling capacity up to 3 tons.		
23 54 16 16-0004	EA 95 MBH, 1,590 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace.....	3,220.77	123.70
	Note: Blower cooling capacity up to 4 tons.		
23 54 16 16-0005	EA 126 MBH, 1,835 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace.....	3,714.64	146.19
	Note: Blower cooling capacity up to 5 tons.		

23 54 16 16-0006	Down/Horizontal Flow Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		
23 54 16 16-0007	EA 95 MBH, 1,210 CFM Down/Horizontal Flow Single Speed, One Stage 83% AFUE Oil Furnace.....	3,520.08	123.70
	Note: Blower cooling capacity up to 3 tons.		
23 54 16 16-0008	EA 126 MBH, 2,005 CFM Down/Horizontal Flow Single Speed, One Stage 84% AFUE Oil Furnace.....	3,532.80	146.19
	Note: Blower cooling capacity up to 5 tons.		

23 54 16 16-0009	Up Flow Lowboy Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		
23 54 16 16-0010	EA 95 MBH, 1,550 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace.....	3,030.88	123.70
	Note: Blower cooling capacity up to 4 tons.		
23 54 16 16-0011	EA 127 MBH, 2,130 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace.....	3,598.78	146.19
	Note: Blower cooling capacity up to 5 tons.		

23 54 19 Furnace Accessories (23 54)

23 54 19 00-0001	EA LP Gas Furnace Conversion Kit.....	147.47	22.49
23 54 19 00-0002	EA 1" Furnace External Filter Rack.....	44.21	
23 54 19 00-0003	EA Removal And Reinstallation Of Forced Air Furnace.....	416.50	
	Note: Includes storage and cleaning. Excludes ductwork.		

23 55 Fuel-Fired Heaters (23 50)**23 55 23 Gas-Fired Radiant Heaters (23 55)****23 55 23 13 Low-Intensity Gas-Fired Radiant Heaters (23 55 23)**

23 55 23 13-0001	Infrared Heaters-Radiant Energy (23 55 23 13)		
	Note: For spot localized or total heating, ceiling hung units, no fan required.		
23 55 23 13-0002	Gas Fired Electric Ignition Infrared Gas Heater (23 55 23 13-0001)		
	Note: Ceramic combustion, surface chromized wire screen aluminized steel housing and polished aluminum reflector.		
23 55 23 13-0003	EA 15,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	745.11	101.40
23 55 23 13-0004	EA 37,500 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	830.52	111.53
23 55 23 13-0005	EA 50,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	883.83	111.53
23 55 23 13-0006	EA 75,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,105.01	133.84
23 55 23 13-0007	EA 100,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,114.00	133.84

23 55 23 13-0008 Rolled Steel Or Aluminum Housing Infrared Electric Heater (23 55 23 13-0001)

Note: Anodized aluminum reflector and quartz/tungsten tubular element with an inner heavy-duty coiled element.

23 55 23 13-0009	EA 1,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	808.55	98.96
	For Stainless Steel Housing, Add.....	127.17	
23 55 23 13-0010	EA 3,200 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	863.33	98.96
	For Stainless Steel Housing, Add.....	140.86	
23 55 23 13-0011	EA 5,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	925.94	98.96
	For Stainless Steel Housing, Add.....	156.52	
23 55 23 13-0012	EA 7,300 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	1,001.21	98.96
	For Stainless Steel Housing, Add.....	175.33	
23 55 23 13-0013	EA 10,950 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	1,091.87	107.95
	For Stainless Steel Housing, Add.....	195.37	
23 55 23 13-0014	EA 13,500 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	1,165.76	116.95
	For Stainless Steel Housing, Add.....	210.40	
23 55 23 13-0015	EA 24,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	1,863.04	125.95
	For Stainless Steel Housing, Add.....	375.71	

23 55 23 13-0016 Gas Fired Tubular Infrared Heater (23 55 23 13-0001)

Note: Per Tube Length. Includes controls and supports.

23 55 23 13-0017	"U" Package (23 55 23 13-0016)		
23 55 23 13-0018	LF Up To 75 MBH Input Radiant Heater.....	71.16	5.07
23 55 23 13-0019	LF 76 To 105 MBH Input Radiant Heater.....	82.20	6.08
23 55 23 13-0020	LF 106 To 130 MBH Input Radiant Heater.....	100.22	7.10

23 55 23 13-0021 "S" Straight Package (23 55 23 13-0016)

23 55 23 13-0022	LF Up To 75 MBH Input Radiant Heater.....	57.94	4.05
23 55 23 13-0023	LF 76 To 105 MBH Input Radiant Heater.....	73.56	5.07
23 55 23 13-0024	LF 106 To 130 MBH Input Radiant Heater.....	89.17	6.08

**Heating, Ventilating, and Air-Conditioning (HVAC)****23****Central Heating Equipment****23 50****Fuel-Fired Heaters****23 55****23**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 33 Fuel-Fired Unit Heaters (23 55)		
23 55 33 00-0001 Oil-Fired Unit Heaters (23 55 33)		
23 55 33 00-0002 Oil Fired Unit Heater (23 55 33 00-0001)		
23 55 33 00-0003 Horizontal Fan Propelled Oil Fired Unit Heater, 115 Volt (23 55 33 00-0002)		
23 55 33 00-0004 EA 97 MBH Output, 2,000 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	6,207.45	466.98
23 55 33 00-0005 EA 142 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	6,662.36	513.68
23 55 33 00-0006 EA 188 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	7,158.57	560.38
23 55 33 00-0007 Gas-Fired Unit Heaters (23 55 33)		
23 55 33 00-0008 Removal And Reinstallation Of Unit Heaters (23 55 33 00-0007)		
Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 55 33 00-0009 EA Removal And Reinstallation Of Up To 101.3 MBH Output Gas or Oil Unit Heater.....	583.01	
23 55 33 00-0010 EA Removal And Reinstallation Of >101.3 MBH Output Gas or Oil Unit Heater.....	785.80	
23 55 33 00-0011 Gas Fired Unit Heaters (23 55 33 00-0007)		
23 55 33 00-0012 Horizontal Fan Propelled Gas Fired Unit Heaters, 115 Volt (23 55 33 00-0011)		
23 55 33 00-0013 EA 24.3 MBH Output, 30 MBH Input, 500 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,569.00	175.12
23 55 33 00-0014 EA 36.5 MBH Output, 45 MBH Input, 750 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,722.79	210.15
23 55 33 00-0015 EA 48.6 MBH Output, 60 MBH Input, 1,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,748.32	210.15
23 55 33 00-0016 EA 60.8 MBH Output, 75 MBH Input, 1,250 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,914.42	245.17
23 55 33 00-0017 EA 72.9 MBH Output, 90 MBH Input, 1,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,109.08	280.20
23 55 33 00-0018 EA 81 MBH Output, 100 MBH Input, 1,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,262.59	297.70
23 55 33 00-0019 EA 101.3 MBH Output, 125 MBH Input, 2,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,326.96	297.70
23 55 33 00-0020 EA 121.5 MBH Output, 150 MBH Input, 2,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,271.80	297.70
23 55 33 00-0021 EA 141.8 MBH Output, 175 MBH Input, 2,650 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,689.91	315.22
23 55 33 00-0022 EA 162 MBH Output, 200 MBH Input, 3,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,941.23	315.22
23 55 33 00-0023 EA 202.5 MBH Output, 250 MBH Input, 3,450 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	3,149.63	315.22
23 55 33 00-0024 EA 243 MBH Output, 300 MBH Input, 5,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	3,757.16	350.24
23 55 33 00-0025 EA 283.5 MBH Output, 350 MBH Input, 5,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	4,229.14	350.24
23 55 33 00-0026 EA 324 MBH Output, 400 MBH Input, 5,800 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	4,540.21	385.26
23 57 Heat Exchangers for HVAC (23 50)		
23 57 13 Steam-To-Steam Heat Exchangers (23 57)		
23 57 13 00-0001 Steam Generator Heat Exchanger (23 57 13)		
Note: 35 PSI generated steam using 180 degree feed water; 400 degree F water to valve.		
23 57 13 00-0002 EA 75 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	14,822.39	1,622.30
23 57 13 00-0003 EA 300 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	19,794.03	1,723.70
23 57 13 00-0004 EA 525 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	26,639.95	2,145.65
23 57 16 Steam-To-Water Heat Exchangers (23 57)		
23 57 16 00-0001 Heat Exchanger, Hot Water 40 To 180 Degree By Steam 10 PSI (23 57 16)		
Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes. Excludes controls expansion tank and accessories.		
23 57 16 00-0002 EA 8 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	1,716.82	253.49
For Bronze Head And Tube Sheet, Add	620.48	
For Copper Nickel Tubes, Add	137.88	
For Double Wall Tube Bundles, Add	206.83	
23 57 16 00-0003 EA 10 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	2,493.53	253.49
For Bronze Head And Tube Sheet, Add	939.58	
For Copper Nickel Tubes, Add	208.80	
For Double Wall Tube Bundles, Add	313.19	
23 57 16 00-0004 EA 40 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	3,737.39	354.88
For Bronze Head And Tube Sheet, Add	1,453.69	
For Copper Nickel Tubes, Add	323.04	
For Double Wall Tube Bundles, Add	484.56	
23 57 16 00-0005 EA 64 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	5,938.36	354.88
For Bronze Head And Tube Sheet, Add	2,215.99	
For Copper Nickel Tubes, Add	492.44	
For Double Wall Tube Bundles, Add	738.66	
23 57 16 00-0006 EA 96 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	7,807.05	417.75
For Bronze Head And Tube Sheet, Add	2,942.83	
For Copper Nickel Tubes, Add	653.96	
For Double Wall Tube Bundles, Add	980.94	
23 57 16 00-0007 EA 120 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	10,277.08	531.92
For Bronze Head And Tube Sheet, Add	3,864.69	
For Copper Nickel Tubes, Add	858.82	
For Double Wall Tube Bundles, Add	1,288.23	
23 57 16 00-0008 EA 168 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	12,714.13	798.38
For Bronze Head And Tube Sheet, Add	4,733.36	
For Copper Nickel Tubes, Add	1,051.86	
For Double Wall Tube Bundles, Add	1,577.79	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 57 Heat Exchangers for HVAC**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 57 16 00-0009	EA	240 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	19,132.92	798.38
		<i>For Bronze Head And Tube Sheet, Add</i>	7,374.82	
		<i>For Copper Nickel Tubes, Add</i>	1,638.85	
		<i>For Double Wall Tube Bundles, Add</i>	2,458.27	

23 57 19 Liquid-To-Liquid Heat Exchangers (23 57)**23 57 19 13 Plate-Type, Liquid-To-Liquid Heat Exchangers (23 57 19)****23 57 19 13-0001 Plate And Frame Heat Exchanger (23 57 19 13)**

23 57 19 13-0002	EA	8" W x 18-7/8"H Plate And Frame Heat Exchanger	2,701.76	253.49
23 57 19 13-0003	EA	8" W x 24-9/16"H Plate And Frame Heat Exchanger	3,558.26	253.49
23 57 19 13-0004	EA	11-3/16" W x 34-11/16"H Plate And Frame Heat Exchanger	4,730.22	304.18
23 57 19 13-0005	EA	16-3/4" W x 46-1/4"H Plate And Frame Heat Exchanger	6,386.94	329.53
23 57 19 13-0006	EA	16-1/2" W x 49-5/8"H Plate And Frame Heat Exchanger	6,975.78	329.53
23 57 19 13-0007	EA	24" W x 57-11/16"H Plate And Frame Heat Exchanger	9,060.73	354.88
23 57 19 13-0008	EA	26-5/16" W x 56-5/8"H Plate And Frame Heat Exchanger	9,542.51	354.88
23 57 19 13-0009	EA	24-1/4" W x 68-3/8"H Plate And Frame Heat Exchanger	11,785.08	405.58
23 57 19 13-0010	EA	24" W x 69-11/16"H Plate And Frame Heat Exchanger	14,402.37	456.27
23 57 19 13-0011	EA	26-5/16" W x 68-3/4"H Plate And Frame Heat Exchanger	14,937.69	456.27
23 57 19 13-0012	EA	24" W x 89-13/16"H Plate And Frame Heat Exchanger	18,495.46	538.91
23 57 19 13-0013	EA	26-5/16" W x 88-9/16"H Plate And Frame Heat Exchanger	22,298.77	592.70
23 57 19 13-0014	EA	40-13/16" W x 89-1/4"H Plate And Frame Heat Exchanger	25,727.21	646.49

23 57 19 19 Copper Tube, Water-To-Water Heat Exchanger (23 57 19)**23 57 19 19-0001 Heat Exchanger Hot Water 40-140 Degree By Water At 200 Degree F (23 57 19)**

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes.

23 57 19 19-0002	EA	7 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	2,031.98	253.49
		<i>For Copper Nickel Tubes, Add</i>	169.40	
		<i>For Double Wall Tube Bundles, Add</i>	254.10	
23 57 19 19-0003	EA	16 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	2,808.70	253.49
		<i>For Copper Nickel Tubes, Add</i>	240.31	
		<i>For Double Wall Tube Bundles, Add</i>	360.47	
23 57 19 19-0004	EA	34 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	4,170.74	354.88
		<i>For Copper Nickel Tubes, Add</i>	366.38	
		<i>For Double Wall Tube Bundles, Add</i>	549.57	
23 57 19 19-0005	EA	55 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	5,954.94	354.88
		<i>For Copper Nickel Tubes, Add</i>	527.90	
		<i>For Double Wall Tube Bundles, Add</i>	791.85	
23 57 19 19-0006	EA	74 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	7,381.92	405.58
		<i>For Copper Nickel Tubes, Add</i>	650.02	
		<i>For Double Wall Tube Bundles, Add</i>	975.04	
23 57 19 19-0007	EA	86 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	9,813.07	405.58
		<i>For Copper Nickel Tubes, Add</i>	874.58	
		<i>For Double Wall Tube Bundles, Add</i>	1,311.87	
23 57 19 19-0008	EA	112 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	12,164.62	399.19
		<i>For Copper Nickel Tubes, Add</i>	1,087.31	
		<i>For Double Wall Tube Bundles, Add</i>	1,630.97	
23 57 19 19-0009	EA	126 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	15,120.27	399.19
		<i>For Copper Nickel Tubes, Add</i>	1,355.20	
		<i>For Double Wall Tube Bundles, Add</i>	2,032.80	
23 57 19 19-0010	EA	152 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	19,329.92	399.19
		<i>For Copper Nickel Tubes, Add</i>	1,733.40	
		<i>For Double Wall Tube Bundles, Add</i>	2,600.09	

23 57 19 23 Refrigerant-To-Water Heat Exchanger (23 57 19)**23 57 19 23-0001 Heat Exchanger Refrigerant To Water (23 57 19 23)**

23 57 19 23-0002	EA	10 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	2,301.83	202.79
		<i>For Copper Nickel Tubes, Add</i>	189.63	
		<i>For Double Wall Tube Bundles, Add</i>	284.44	
23 57 19 23-0003	EA	53 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	6,038.88	337.95
		<i>For Copper Nickel Tubes, Add</i>	536.29	
		<i>For Double Wall Tube Bundles, Add</i>	804.44	
23 57 19 23-0004	EA	70 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	8,130.09	440.86
		<i>For Copper Nickel Tubes, Add</i>	724.99	
		<i>For Double Wall Tube Bundles, Add</i>	1,087.49	
23 57 19 23-0005	EA	87 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	8,749.49	533.63
		<i>For Copper Nickel Tubes, Add</i>	768.44	
		<i>For Double Wall Tube Bundles, Add</i>	1,152.66	
23 57 19 23-0006	EA	105 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	10,559.96	634.01
		<i>For Copper Nickel Tubes, Add</i>	927.15	
		<i>For Double Wall Tube Bundles, Add</i>	1,390.72	

23 60 Central Cooling Equipment (23)

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Central Cooling Equipment

23 60

Refrigerant Compressors

23 61

23

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 61 Refrigerant Compressors (23 60)****23 61 16 Reciprocating Refrigerant Compressors (23 61)****23 61 16 00-0001 Reciprocating Open Type Refrigerant Compressors (23 61 16)**

Note: Includes manual reversible oil pump and automatic pressure regulator. Excludes muffler, vibration isolators, crank case oil heaters, couplings and flywheel.

23 61 16 00-0002	EA	1/4 Ton Refrigerant Compressor, Reciprocating Open Type	542.58	96.57
23 61 16 00-0003	EA	1/3 Ton Refrigerant Compressor, Reciprocating Open Type	638.97	96.57
23 61 16 00-0004	EA	1/2 Ton Refrigerant Compressor, Reciprocating Open Type	863.97	120.68
23 61 16 00-0005	EA	3/4 Ton Refrigerant Compressor, Reciprocating Open Type	1,062.78	120.68
23 61 16 00-0006	EA	1 Ton Refrigerant Compressor, Reciprocating Open Type	1,183.27	120.68
23 61 16 00-0007	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Open Type	1,199.95	125.55
23 61 16 00-0008	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,206.97	125.55
23 61 16 00-0009	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Open Type	1,324.70	135.20
23 61 16 00-0010	EA	2 Ton Refrigerant Compressor, Reciprocating Open Type	1,424.35	144.87
23 61 16 00-0011	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,552.09	154.52
23 61 16 00-0012	EA	3 Ton Refrigerant Compressor, Reciprocating Open Type	1,758.93	154.52
23 61 16 00-0013	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,971.02	164.17
23 61 16 00-0014	EA	4 Ton Refrigerant Compressor, Reciprocating Open Type	2,014.45	173.84
23 61 16 00-0015	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	2,048.18	178.62
23 61 16 00-0016	EA	5 Ton Refrigerant Compressor, Reciprocating Open Type	3,161.15	935.07
23 61 16 00-0017	EA	7.5 Ton Refrigerant Compressor, Reciprocating Open Type	4,700.09	1,068.60
23 61 16 00-0018	EA	10 Ton Refrigerant Compressor, Reciprocating Open Type	6,239.17	1,202.23
23 61 16 00-0019	EA	12.5 Ton Refrigerant Compressor, Reciprocating Open Type	8,188.77	1,302.33
23 61 16 00-0020	EA	15 Ton Refrigerant Compressor, Reciprocating Open Type	10,138.65	1,402.61
23 61 16 00-0021	EA	20 Ton Refrigerant Compressor, Reciprocating Open Type	12,166.39	1,683.13
23 61 16 00-0022	EA	25 Ton Refrigerant Compressor, Reciprocating Open Type	14,598.55	1,809.04
23 61 16 00-0023	EA	30 Ton Refrigerant Compressor, Reciprocating Open Type	16,928.95	1,912.65
23 61 16 00-0024	EA	50 Ton Refrigerant Compressor, Reciprocating Open Type	22,116.72	2,157.89
23 61 16 00-0025	EA	60 Ton Refrigerant Compressor, Reciprocating Open Type	26,017.49	2,214.47
23 61 16 00-0026	EA	70 Ton Refrigerant Compressor, Reciprocating Open Type	32,461.51	2,270.97
23 61 16 00-0027	EA	75 Ton Refrigerant Compressor, Reciprocating Open Type	34,074.91	2,299.32
23 61 16 00-0028	EA	80 Ton Refrigerant Compressor, Reciprocating Open Type	35,621.03	2,327.56
23 61 16 00-0029	EA	90 Ton Refrigerant Compressor, Reciprocating Open Type	38,515.57	2,384.07
23 61 16 00-0030	EA	100 Ton Refrigerant Compressor, Reciprocating Open Type	41,145.06	2,440.75
23 61 16 00-0031	EA	110 Ton Refrigerant Compressor, Reciprocating Open Type	44,129.06	2,782.25
23 61 16 00-0032	EA	120 Ton Refrigerant Compressor, Reciprocating Open Type	46,230.20	2,844.52
23 61 16 00-0033	EA	130 Ton Refrigerant Compressor, Reciprocating Open Type	48,027.36	2,880.72
23 61 16 00-0034	EA	140 Ton Refrigerant Compressor, Reciprocating Open Type	49,637.33	2,969.85
23 61 16 00-0035	EA	150 Ton Refrigerant Compressor, Reciprocating Open Type	50,940.47	3,032.12
23 61 16 00-0036	EA	175 Ton Refrigerant Compressor, Reciprocating Open Type	52,274.15	3,115.21
23 61 16 00-0037	EA	185 Ton Refrigerant Compressor, Reciprocating Open Type	53,532.52	3,148.70
23 61 16 00-0038	EA	200 Ton Refrigerant Compressor, Reciprocating Open Type	54,819.87	3,200.81
23 61 16 00-0039	EA	225 Ton Refrigerant Compressor, Reciprocating Open Type	56,364.85	3,416.67
23 61 16 00-0040	EA	250 Ton Refrigerant Compressor, Reciprocating Open Type	57,858.35	3,600.85

23 61 16 00-0041 Reciprocating Hermetic Type Refrigerant Compressors (23 61 16)

Note: Includes automatic reversible oil pump, suction and discharge shut-off valves, device for loading and unloading compressor cylinders and crank case oil heater. Excludes mufflers and vibration isolators.

23 61 16 00-0042 Reciprocating Hermetic Type Refrigerant Compressors <5 Tons (23 61 16 00-0041)

23 61 16 00-0043	EA	1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,092.51	96.57
23 61 16 00-0044	EA	1/3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,130.78	96.57
23 61 16 00-0045	EA	1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,217.34	120.68
23 61 16 00-0046	EA	3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,255.59	120.68
23 61 16 00-0047	EA	1 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,274.72	120.68
23 61 16 00-0048	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,314.99	125.55
23 61 16 00-0049	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,357.10	125.55
23 61 16 00-0050	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,456.78	135.20
23 61 16 00-0051	EA	2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,552.65	144.87
23 61 16 00-0052	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,686.75	154.52
23 61 16 00-0053	EA	3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,763.30	154.52
23 61 16 00-0054	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,897.41	164.17
23 61 16 00-0055	EA	4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,261.17	173.84
23 61 16 00-0056	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,481.29	178.62

23 61 16 00-0057 Reciprocating Hermetic Type Refrigerant Compressors (23 61 16 00-0041)

23 61 16 00-0058	EA	5 Ton Refrigerant Compressor, Reciprocating Hermetic Type	3,068.71	480.89
23 61 16 00-0059	EA	10 Ton Refrigerant Compressor, Reciprocating Hermetic Type	5,931.10	601.11
23 61 16 00-0060	EA	15 Ton Refrigerant Compressor, Reciprocating Hermetic Type	9,983.60	731.81
23 61 16 00-0061	EA	20 Ton Refrigerant Compressor, Reciprocating Hermetic Type	12,744.03	841.56
23 61 16 00-0062	EA	25 Ton Refrigerant Compressor, Reciprocating Hermetic Type	14,072.91	935.07
23 61 16 00-0063	EA	30 Ton Refrigerant Compressor, Reciprocating Hermetic Type	15,598.28	1,051.95
23 61 16 00-0064	EA	35 Ton Refrigerant Compressor, Reciprocating Hermetic Type	20,221.52	1,202.23
23 61 16 00-0065	EA	40 Ton Refrigerant Compressor, Reciprocating Hermetic Type	26,108.68	1,202.23
23 61 16 00-0066	EA	50 Ton Refrigerant Compressor, Reciprocating Hermetic Type	32,270.79	1,402.61
23 61 16 00-0067	EA	60 Ton Refrigerant Compressor, Reciprocating Hermetic Type	36,353.50	1,502.80
23 61 16 00-0068	EA	70 Ton Refrigerant Compressor, Reciprocating Hermetic Type	38,414.29	1,574.91

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 61 Refrigerant Compressors**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 61 16 00-0069	EA	75 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	39,481.21	1,652.71
23 61 16 00-0070	EA	80 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	40,613.98	1,659.11
23 61 16 00-0071	EA	90 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	42,663.88	1,737.19
23 61 16 00-0072	EA	100 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	44,736.52	1,809.04

23 61 19 Scroll Refrigerant Compressors (23 61)**23 61 19 00-0001 Scroll Refrigerant Compressors (23 61 19)**

23 61 19 00-0002	EA	Up To 3 Ton Scroll Refrigerant Compressor.....	1,102.16	154.34
23 61 19 00-0003	EA	3.5 Ton Scroll Refrigerant Compressor.....	1,156.38	164.27
23 61 19 00-0004	EA	4 Ton Scroll Refrigerant Compressor.....	1,186.33	173.75
23 61 19 00-0005	EA	4.5 Ton Scroll Refrigerant Compressor.....	1,209.99	178.71
23 61 19 00-0006	EA	5 Ton Scroll Refrigerant Compressor.....	1,500.34	225.64
23 61 19 00-0007	EA	7.5 Ton Scroll Refrigerant Compressor.....	2,829.57	338.47
23 61 19 00-0008	EA	8.75 Ton Scroll Refrigerant Compressor.....	3,239.78	394.88
23 61 19 00-0009	EA	10 Ton Scroll Refrigerant Compressor.....	3,632.47	451.29
23 61 19 00-0010	EA	12 Ton Scroll Refrigerant Compressor.....	4,388.85	541.54
23 61 19 00-0011	EA	13.5 Ton Scroll Refrigerant Compressor.....	5,166.09	609.24
23 61 19 00-0012	EA	15 Ton Scroll Refrigerant Compressor.....	6,048.14	676.94
23 61 19 00-0013	EA	20 Ton Scroll Refrigerant Compressor.....	8,508.43	902.58
23 61 19 00-0014	EA	25 Ton Scroll Refrigerant Compressor.....	9,625.42	1,128.22
23 61 19 00-0015	EA	30 Ton Scroll Refrigerant Compressor.....	10,335.82	1,353.87

23 61 23 Rotary-Screw Refrigerant Compressors (23 61)**23 61 23 00-0001 Rotary Screw Type Refrigerant Compressors (23 61 23)**

23 61 23 00-0002	EA	75 Ton Refrigerant Compressor, Rotary Screw Type.....	46,025.54	2,299.32
23 61 23 00-0003	EA	80 Ton Refrigerant Compressor, Rotary Screw Type.....	47,440.85	2,327.56
23 61 23 00-0004	EA	90 Ton Refrigerant Compressor, Rotary Screw Type.....	50,510.94	2,384.07
23 61 23 00-0005	EA	100 Ton Refrigerant Compressor, Rotary Screw Type.....	53,547.83	2,440.75
23 61 23 00-0006	EA	110 Ton Refrigerant Compressor, Rotary Screw Type.....	57,727.16	2,782.25
23 61 23 00-0007	EA	120 Ton Refrigerant Compressor, Rotary Screw Type.....	61,289.78	2,844.52
23 61 23 00-0008	EA	130 Ton Refrigerant Compressor, Rotary Screw Type.....	64,781.18	2,880.72
23 61 23 00-0009	EA	140 Ton Refrigerant Compressor, Rotary Screw Type.....	68,380.90	2,969.85
23 61 23 00-0010	EA	150 Ton Refrigerant Compressor, Rotary Screw Type.....	71,946.08	3,032.12
23 61 23 00-0011	EA	170 Ton Refrigerant Compressor, Rotary Screw Type.....	76,966.80	3,115.21
23 61 23 00-0012	EA	185 Ton Refrigerant Compressor, Rotary Screw Type.....	80,479.92	3,148.70
23 61 23 00-0013	EA	200 Ton Refrigerant Compressor, Rotary Screw Type.....	82,106.94	3,200.81
23 61 23 00-0014	EA	215 Ton Refrigerant Compressor, Rotary Screw Type.....	92,217.23	3,416.67
23 61 23 00-0015	EA	225 Ton Refrigerant Compressor, Rotary Screw Type.....	102,206.11	3,600.85

23 62 Packaged Compressor and Condenser Units (23 60)**23 62 13 Packaged Air-Cooled Refrigerant Compressor and Condenser Units (23 62)****23 62 13 00-0001 Combination Direct-Expansion Liquid Cooler And Compressors (23 62 13)**

Note: Shell and tube type. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0002	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	6,389.45	833.98
23 62 13 00-0003	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	14,216.38	893.55
23 62 13 00-0004	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	24,995.20	953.12
23 62 13 00-0005	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	29,614.52	1,012.70
23 62 13 00-0006	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	35,139.64	1,072.26
23 62 13 00-0007	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	38,943.39	1,191.40
23 62 13 00-0008	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	40,085.01	1,347.02
23 62 13 00-0009	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	43,198.85	1,593.06
23 62 13 00-0010	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	46,093.78	1,725.81
23 62 13 00-0011	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	52,831.81	1,858.57
23 62 13 00-0012	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	59,730.90	2,057.70
23 62 13 00-0013	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	63,131.70	2,139.12
23 62 13 00-0014	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	71,283.02	2,272.81
23 62 13 00-0015	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	77,916.47	2,406.51

23 62 13 00-0016 Direct-Expansion Liquid Cooler Shell And Tube Type (23 62 13)

Note: For built-up systems. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Excludes compressors. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0017	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	6,096.93	833.98
23 62 13 00-0018	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	12,551.42	893.55
23 62 13 00-0019	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	19,608.82	953.12
23 62 13 00-0020	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	21,179.16	1,012.70
23 62 13 00-0021	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	22,749.51	1,072.26
23 62 13 00-0022	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	26,966.62	1,191.40



Heating, Ventilating, and Air-Conditioning (HVAC)			23
Central Cooling Equipment			23 60
Packaged Compressor and Condenser Units			23 62

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 62 13 00-0023	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	30,566.25	1,347.02
23 62 13 00-0024	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	39,281.31	1,593.06
23 62 13 00-0025	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	44,057.28	1,725.81
23 62 13 00-0026	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	47,690.22	1,858.57
23 62 13 00-0027	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	54,838.20	2,057.70
23 62 13 00-0028	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	58,083.81	2,139.12
23 62 13 00-0029	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	63,717.51	2,272.81
23 62 13 00-0030	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	72,666.04	2,406.51
23 62 13 00-0031 Packaged Chiller With Remote Air Cooled Condenser (23 62 13)				
Note: With remote air cooled condenser rated by cooling capacity. Units are factory assembled package type and include hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, vibration eliminators, phase monitoring for 3 phase units, start-up and equipment rigging. Units include dual compressors. Excludes piping and power wiring.				
23 62 13 00-0032	EA	15 Ton Packaged Chiller With Remote Air Cooled Condensers	33,233.10	7,740.20
		For Gas Fired Engine Driven, Add	5,486.18	
23 62 13 00-0033	EA	20 Ton Packaged Chiller With Remote Air Cooled Condensers	37,308.43	8,158.57
		For Gas Fired Engine Driven, Add	6,238.52	
23 62 13 00-0034	EA	25 Ton Packaged Chiller With Remote Air Cooled Condensers	43,089.57	8,878.36
		For Gas Fired Engine Driven, Add	7,286.82	
23 62 13 00-0035	EA	30 Ton Packaged Chiller With Remote Air Cooled Condensers	47,996.47	9,433.32
		For Gas Fired Engine Driven, Add	8,185.01	
23 62 13 00-0036	EA	40 Ton Packaged Chiller With Remote Air Cooled Condensers	59,490.23	10,409.16
		For Gas Fired Engine Driven, Add	10,337.45	
23 62 13 00-0037	EA	50 Ton Packaged Chiller With Remote Air Cooled Condensers	65,376.39	10,780.88
		For Gas Fired Engine Driven, Add	11,458.95	
23 62 13 00-0038	EA	60 Ton Packaged Chiller With Remote Air Cooled Condensers	71,008.14	11,610.19
		For Gas Fired Engine Driven, Add	12,460.97	
23 62 13 00-0039	EA	70 Ton Packaged Chiller With Remote Air Cooled Condensers	85,780.72	12,422.51
		For Gas Fired Engine Driven, Add	15,270.43	
23 62 13 00-0040	EA	75 Ton Packaged Chiller With Remote Air Cooled Condensers	86,776.32	12,666.79
		For Gas Fired Engine Driven, Add	15,456.19	
23 62 13 00-0041	EA	80 Ton Packaged Chiller With Remote Air Cooled Condensers	88,464.01	13,217.57
		For Gas Fired Engine Driven, Add	15,711.16	
23 62 13 00-0042	EA	90 Ton Packaged Chiller With Remote Air Cooled Condensers	97,862.99	13,818.39
		For Gas Fired Engine Driven, Add	17,500.88	
23 62 13 00-0043	EA	100 Ton Packaged Chiller With Remote Air Cooled Condensers	107,992.09	14,476.43
		For Gas Fired Engine Driven, Add	19,428.04	
23 62 13 00-0044	EA	110 Ton Packaged Chiller With Remote Air Cooled Condensers	119,438.84	15,200.21
		For Gas Fired Engine Driven, Add	21,608.88	
23 62 13 00-0045	EA	120 Ton Packaged Chiller With Remote Air Cooled Condensers	128,997.16	16,000.25
		For Gas Fired Engine Driven, Add	23,400.60	
23 62 13 00-0046	EA	140 Ton Packaged Chiller With Remote Air Cooled Condensers	142,084.57	16,889.12
		For Gas Fired Engine Driven, Add	25,884.81	
23 62 23 Packaged Water-Cooled Refrigerant Compressor and Condenser Units (23 62)				
23 62 23 00-0001 Water Cooled Condensing Units (23 62 23)				
Note: Includes compressor, condenser and motor, and equipment rigging. Excludes piping and power wiring.				
23 62 23 00-0002	EA	5 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	5,436.45	649.11
23 62 23 00-0003	EA	10 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	8,234.06	947.98
23 62 23 00-0004	EA	15 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	9,408.53	1,027.37
23 62 23 00-0005	EA	20 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	11,653.54	1,232.84
23 62 23 00-0006	EA	30 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	12,626.70	1,450.47
23 62 23 00-0007	EA	60 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	26,504.27	2,170.27
23 62 23 00-0008	EA	80 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	32,868.90	2,619.33
23 62 23 00-0009	EA	120 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	45,200.29	2,865.95
23 63 Refrigerant Condensers (23 60)				
23 63 13 Air-Cooled Refrigerant Condensers (23 63)				
23 63 13 00-0001 Air Cooled Condensing Units (23 63 13)				
Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers and phase monitoring for 3 phase units and equipment rigging. Meets minimum ASHRAE EER requirements. Excludes piping and power wiring.				
23 63 13 00-0002	EA	6 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	4,192.29	649.11
		For >10 To 25, Deduct	-96.27	
		For >25 To 50, Deduct	-160.46	
		For >50, Deduct	-256.73	
		For Low Ambient Protection, 0 Degree F, Add	662.97	
		For Winter Start Control, Add	226.68	
23 63 13 00-0003	EA	7.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	5,018.45	770.53
		For >10 To 25, Deduct	-115.53	
		For >25 To 50, Deduct	-192.55	
		For >50, Deduct	-308.08	
		For Low Ambient Protection, 0 Degree F, Add	599.94	
		For Winter Start Control, Add	193.77	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 63 Refrigerant Condensers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0004 EA 10 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	6,502.62	947.98
For >10 To 25, Deduct	-151.97	
For >25 To 50, Deduct	-253.29	
For >50, Deduct	-405.26	
For Low Ambient Protection, 0 Degree F, Add	713.82	
For Winter Start Control, Add	245.00	
23 63 13 00-0005 EA 12.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	7,968.68	986.28
For >10 To 25, Deduct	-194.23	
For >25 To 50, Deduct	-323.72	
For >50, Deduct	-517.95	
For Low Ambient Protection, 0 Degree F, Add	826.79	
For Winter Start Control, Add	278.92	
23 63 13 00-0006 EA 15 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	9,439.53	1,027.37
For >10 To 25, Deduct	-236.49	
For >25 To 50, Deduct	-394.15	
For >50, Deduct	-630.63	
For Low Ambient Protection, 0 Degree F, Add	862.13	
For Winter Start Control, Add	234.49	
23 63 13 00-0007 EA 20 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	12,128.65	1,232.84
For >10 To 25, Deduct	-307.82	
For >25 To 50, Deduct	-513.04	
For >50, Deduct	-820.86	
For Low Ambient Protection, 0 Degree F, Add	1,082.63	
For Winter Start Control, Add	289.40	
23 63 13 00-0008 EA 25 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	13,767.43	1,326.24
For >10 To 25, Deduct	-352.79	
For >25 To 50, Deduct	-587.99	
For >50, Deduct	-940.78	
For Low Ambient Protection, 0 Degree F, Add	1,148.71	
For Winter Start Control, Add	318.37	
23 63 13 00-0009 EA 30 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	15,759.31	1,447.66
For >10 To 25, Deduct	-407.07	
For >25 To 50, Deduct	-678.45	
For >50, Deduct	-1,085.52	
For Low Ambient Protection, 0 Degree F, Add	1,226.04	
For Winter Start Control, Add	354.73	
23 63 13 00-0010 EA 40 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	21,594.29	1,726.36
For >10 To 25, Deduct	-567.96	
For >25 To 50, Deduct	-946.60	
For >50, Deduct	-1,514.55	
For Low Ambient Protection, 0 Degree F, Add	1,612.19	
For Winter Start Control, Add	455.56	
23 63 13 00-0011 EA 50 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	26,252.66	2,170.27
For >10 To 25, Deduct	-687.17	
For >25 To 50, Deduct	-1,145.28	
For >50, Deduct	-1,832.45	
For Low Ambient Protection, 0 Degree F, Add	1,752.98	
For Winter Start Control, Add	449.23	
23 63 13 00-0012 EA 60 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	30,176.16	2,395.32
For >10 To 25, Deduct	-797.39	
For >25 To 50, Deduct	-1,328.98	
For >50, Deduct	-2,126.37	
For Low Ambient Protection, 0 Degree F, Add	1,962.32	
For Winter Start Control, Add	492.55	
23 63 13 00-0013 EA 80 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	38,931.06	2,619.33
For >10 To 25, Deduct	-1,046.75	
For >25 To 50, Deduct	-1,744.58	
For >50, Deduct	-2,791.32	
For Low Ambient Protection, 0 Degree F, Add	2,405.54	
For Winter Start Control, Add	578.41	
23 63 13 00-0014 EA 100 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	53,520.00	2,358.42
For >10 To 25, Deduct	-1,461.57	
For >25 To 50, Deduct	-2,435.95	
For >50, Deduct	-3,897.52	
For Low Ambient Protection, 0 Degree F, Add	2,661.83	
For Winter Start Control, Add	723.70	
23 63 13 00-0015 EA 120 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	65,700.94	2,438.37
For >10 To 25, Deduct	-1,822.11	
For >25 To 50, Deduct	-3,036.86	
For >50, Deduct	-4,858.97	
For Low Ambient Protection, 0 Degree F, Add	3,063.06	

23 63 13 00-0016 Air Cooled Condensing Units (23 63 13)

Note: Include compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers, 14 SEER, 1 or 3 phase and equipment rigging. Higher SEER ratings can be obtained by oversizing evaporators. Excludes piping and power wiring.

23 63 13 00-0017 EA 1.5 Ton, 14 SEER, Air Cooled Condensing Unit	1,635.05	292.27
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For >10 To 25, Deduct	-35.90	
For >25 To 50, Deduct	-59.83	
For >50, Deduct	-95.73	
For 15 SEER, Add	287.20	
For 16 SEER, Add	490.63	
For 18 SEER, Add	1,029.12	



Heating, Ventilating, and Air-Conditioning (HVAC)		23	23
Central Cooling Equipment		23 60	
Refrigerant Condensers		23 63	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST		
23 63 13 00-0018	EA 2 Ton, 14 SEER, Air Cooled Condensing Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. For >10 To 25, Deduct For >25 To 50, Deduct For >50, Deduct For 15 SEER, Add For 16 SEER, Add For 18 SEER, Add	1,760.01 -38.19 -63.65 -101.83 305.50 521.89 1,094.69		324.90	
23 63 13 00-0019	EA 2.5 Ton, 14 SEER, Air Cooled Condensing Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. For >10 To 25, Deduct For >25 To 50, Deduct For >50, Deduct For 15 SEER, Add For 16 SEER, Add For 18 SEER, Add	1,869.45 -40.01 -66.68 -106.69 320.07 546.79 1,146.92		357.39	
23 63 13 00-0020	EA 3 Ton, 14 SEER, Air Cooled Condensing Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. For >10 To 25, Deduct For >25 To 50, Deduct For >50, Deduct For 15 SEER, Add For 16 SEER, Add For 18 SEER, Add	2,144.31 -46.79 -77.99 -124.78 374.35 639.51 1,341.41		389.68	
23 63 13 00-0021	EA 3.5 Ton, 14 SEER, Air Cooled Condensing Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. For >10 To 25, Deduct For >25 To 50, Deduct For >50, Deduct For 15 SEER, Add For 16 SEER, Add For 18 SEER, Add	2,271.85 -49.16 -81.93 -131.09 393.27 671.83 1,409.20		422.37	
23 63 13 00-0022	EA 4 Ton, 14 SEER, Air Cooled Condensing Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. For >10 To 25, Deduct For >25 To 50, Deduct For >50, Deduct For 15 SEER, Add For 16 SEER, Add For 18 SEER, Add	2,529.91 -55.44 -92.40 -147.84 443.51 757.66 1,589.25		454.87	
23 63 13 00-0023	EA 5 Ton, 14 SEER, Air Cooled Condensing Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. For >10 To 25, Deduct For >25 To 50, Deduct For >50, Deduct For 15 SEER, Add For 16 SEER, Add For 18 SEER, Add	2,851.88 -63.64 -106.06 -169.70 509.09 869.70 1,824.25		487.11	
23 63 13 00-0024	Removal And Reinstallation Of AC Condensing Unit (23 63 13) Note: Includes storage and cleaning.				
23 63 13 00-0025	EA Removal And Reinstallation Of Up To 5 Tons Air Cooled Condensing Unit	299.88			
23 63 13 00-0026	EA Removal And Reinstallation Of 7.5 To 15 Tons Air Cooled Condensing Unit	1,124.54			
23 63 13 00-0027	EA Removal And Reinstallation Of 20 To 40 Tons Air Cooled Condensing Unit	1,962.13			
23 64	Packaged Water Chillers (23 60) See CSI section 26 29 23 00-0000 for variable frequency motor controllers.				
23 64 13	Absorption Water Chillers (23 64)				
23 64 13 16	Indirect-Fired Absorption Water Chillers (23 64 13)				
23 64 13 16-0001	Packaged, Steam Driven, Water Cooled Absorption Chillers (23 64 13 16) Note: Includes refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, and all accessories, controls (water temperature controller with PE switches, flow switch, etc.) factory wired and installed control panel, and also includes start-up. Price includes closed transition starter. (rated by cooling capacity in tons). Units are factory assembled package type consisting of motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, controls, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Exclude piping and power wiring.				
23 64 13 16-0002	EA 50 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	114,951.36		6,178.52	
	For Two Stage Unit, Add	76,530.54			
23 64 13 16-0003	EA 100 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	146,060.69		7,369.83	
	For Two Stage Unit, Add	97,507.12			
23 64 13 16-0004	EA 150 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	185,292.04		7,566.32	
	For Two Stage Unit, Add	124,842.79			
23 64 13 16-0005	EA 200 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	205,378.50		7,710.26	
	For Two Stage Unit, Add	138,810.83			
23 64 13 16-0006	EA 250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	229,780.05		7,903.51	
	For Two Stage Unit, Add	155,767.72			
23 64 13 16-0007	EA 300 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	259,650.13		8,369.82	
	For Two Stage Unit, Add	176,377.18			
23 64 13 16-0008	EA 350 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	278,506.66		8,572.07	
	For Two Stage Unit, Add	189,446.77			

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 64 Packaged Water Chillers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 13 16-0009 EA 400 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	332,016.95 226,678.81	8,922.53
23 64 13 16-0010 EA 500 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	372,144.95 254,601.42	9,182.42
23 64 13 16-0011 EA 650 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	457,627.72 312,014.68	12,956.05
23 64 13 16-0012 EA 750 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	498,122.62 338,988.42	15,092.44
23 64 13 16-0013 EA 850 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	533,615.91 363,402.73	15,763.14
23 64 13 16-0014 EA 950 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	571,296.17 389,532.08	16,321.39
23 64 13 16-0015 EA 1,125 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	654,263.46 447,249.64	16,887.02
23 64 13 16-0016 EA 1,250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	715,974.48 490,118.74	17,403.97
23 64 13 16-0017 EA 1,450 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	841,542.36 575,441.75	21,453.92
23 64 13 16-0018 EA 1,700 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	983,924.00 674,386.36	22,590.60

23 64 16 Centrifugal Water Chillers (23 64)**23 64 16 13 Air-Cooled Centrifugal Water Chillers (23 64 16)**

23 64 16 13-0001	Magnetic Bearing, Air Cooled Centrifugal Chillers (23 64 16 13) Note: SMARTD air cooled oil-free centrifugal chiller with variable speed control, magnetic bearings, lowest ARI IPLV in industry. Includes start up, freight, R-134a refrigerant charge, BACnet or equivalent interface.		
23 64 16 13-0002 EA 85 Ton, Single Compressor, Magnetic Bearing, Air Cooled Centrifugal Chiller <i>For 5 Year Parts Only Compressor Warranty, Add</i>	154,574.83 4,234.80	5,610.89	
23 64 16 13-0003 EA 175 Ton, Two Compressor, Magnetic Bearing, Air Cooled Centrifugal Chiller <i>For 5 Year Parts Only Compressor Warranty, Add</i>	219,218.80 8,469.60	7,524.90	
23 64 16 13-0004 EA 240 Ton, Three Compressor, Magnetic Bearing, Air Cooled Centrifugal Chiller <i>For 5 Year Parts Only Compressor Warranty, Add</i>	273,570.02 12,704.40	7,958.19	

23 64 16 16 Water-Cooled Centrifugal Water Chillers (23 64 16)

23 64 16 16-0001	Packaged Water-Cooled Centrifugal Water Chillers (23 64 16 16) Note: Includes integral heat exchanger, refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, controls (water temperature controller with PE switches, flow switch, etc.), start-up, and closed transition starter. Rated by cooling capacity in tons. Units are factory assembled package type consisting of compressor, motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, factory wired and installed control panel, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.		
23 64 16 16-0002 EA 180 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	138,850.27 5,182.70	5,778.76	
23 64 16 16-0003 EA 200 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	151,789.64 5,690.75	5,925.12	
23 64 16 16-0004 EA 225 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	167,428.94 6,306.77	6,075.73	
23 64 16 16-0005 EA 250 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	182,691.08 6,901.60	6,319.32	
23 64 16 16-0006 EA 275 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	197,605.70 7,475.26	6,676.14	
23 64 16 16-0007 EA 300 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	211,975.08 8,027.74	7,023.25	
23 64 16 16-0008 EA 325 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	225,874.52 8,558.97	7,408.32	
23 64 16 16-0009 EA 350 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	239,214.34 9,069.09	7,773.65	
23 64 16 16-0010 EA 375 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	251,971.41 9,557.97	8,106.77	
23 64 16 16-0011 EA 400 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	264,086.39 10,025.66	8,369.82	
23 64 16 16-0012 EA 425 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	275,915.34 10,472.18	8,784.47	
23 64 16 16-0013 EA 450 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	287,093.27 10,897.52	9,123.37	
23 64 16 16-0014 EA 475 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	297,734.63 11,301.68	9,457.90	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
Central Cooling Equipment			23 60
Packaged Water Chillers			23 64

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0015	EA		500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	307,725.37 11,684.66	9,716.99
23 64 16 16-0016	EA		550 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	325,837.88 12,387.02	10,061.56
23 64 16 16-0017	EA		600 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	341,630.33 13,004.66	10,280.33
23 64 16 16-0018	EA		650 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	355,768.19 13,537.53	10,788.48
23 64 16 16-0019	EA		700 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	367,800.40 13,985.68	11,304.32
23 64 16 16-0020	EA		750 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	377,801.02 14,349.23	11,871.81
23 64 16 16-0021	EA		800 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	401,296.05 15,252.23	12,444.58
23 64 16 16-0022	EA		850 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	424,625.08 16,148.71	13,015.51
23 64 16 16-0023	EA		900 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	447,876.25 17,038.55	13,641.24
23 64 16 16-0024	EA		950 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	471,061.33 17,921.69	14,330.18
23 64 16 16-0025	EA		1,000 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	494,046.62 18,798.12	15,160.78
23 64 16 16-0026	EA		1,100 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	536,018.47 20,328.73	17,493.26
23 64 16 16-0027	EA		1,200 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	576,415.79 21,795.92	19,832.40
23 64 16 16-0028	EA		1,300 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	614,518.44 23,199.57	21,727.22
23 64 16 16-0029	EA		1,400 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	649,875.29 24,539.69	22,893.87
23 64 16 16-0030	EA		1,500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	683,578.63 25,816.08	24,022.38
23 64 16 16-0031	EA		1,600 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	715,022.22 27,029.57	24,718.73
23 64 16 16-0032	EA		1,700 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	746,506.80 28,179.32	26,443.24
23 64 16 16-0033	EA		1,800 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	775,712.20 29,265.54	27,733.15
23 64 16 16-0034	EA		1,900 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	803,938.83 30,288.22	29,406.72
23 64 16 16-0035	EA		2,000 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	829,589.58 31,247.49	30,456.98
23 64 16 16-0036	EA		2,250 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	883,478.75 33,367.85	32,180.98
23 64 16 16-0037	EA		2,500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	931,495.41 35,091.39	34,111.79
23 64 16 16-0038			Magnetic Bearing, Water Cooled Centrifugal Water Chillers (23 64 16 16) Note: SMARTD water cooled oil-free centrifugal chiller with variable speed control, magnetic bearings, 10 amp maximum inrush current and ARI part load <0.4kW per ton. Includes start up, freight, R-134a refrigerant charge, BACnet or equivalent interface, 12/18 month compressor warranty.		
23 64 16 16-0039	EA		60 To 85 Ton, Single Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller..... For 5 Year Parts Only Compressor Warranty, Add For Marine Water Box Connections, Add	97,860.71 4,234.80 3,952.48	4,861.64
23 64 16 16-0040	EA		130 To 137 Ton, Single Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller..... For 5 Year Parts Only Compressor Warranty, Add For Marine Water Box Connections, Add	123,034.34 4,234.80 3,952.48	5,650.64
23 64 16 16-0041	EA		125 To 170 Ton, Dual Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller..... For 5 Year Parts Only Compressor Warranty, Add For Marine Water Box Connections, Add	153,748.63 8,469.60 3,952.48	5,778.76

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 64 Packaged Water Chillers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0042 EA 240 To 270 Ton, Dual Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller For 5 Year Parts Only Compressor Warranty, Add For Marine Water Box Connections, Add	199,865.89 8,469.60 3,952.48	6,676.14
23 64 16 16-0043 EA 210 To 260 Ton, Three Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller For 5 Year Parts Only Compressor Warranty, Add For Marine Water Box Connections, Add	201,236.44 12,704.40 3,952.48	6,319.32
23 64 16 16-0044 EA 355 To 405 Ton, Three Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller For 5 Year Parts Only Compressor Warranty, Add For Marine Water Box Connections, Add	301,439.42 12,704.40 3,952.48	8,369.82
23 64 16 16-0045 EA 299 To 340 Ton, Four Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller For 5 Year Parts Only Compressor Warranty, Add For Marine Water Box Connections, Add	267,213.12 15,527.60 5,505.24	7,773.65
23 64 16 16-0046 EA 540 Ton, Four Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller For 5 Year Parts Only Compressor Warranty, Add For Marine Water Box Connections, Add	370,963.78 15,527.60 5,505.24	10,061.56
23 64 16 16-0047 EA 425 Ton, Five Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller For 5 Year Parts Only Compressor Warranty, Add For Marine Water Box Connections, Add	332,204.97 18,350.80 5,505.24	8,784.47
23 64 16 16-0048 EA 650 Ton, Five Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller For 5 Year Parts Only Compressor Warranty, Add For Marine Water Box Connections, Add	444,220.40 18,350.80 5,505.24	10,788.48
23 64 16 16-0049 EA 510 Ton, Six Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller For 5 Year Parts Only Compressor Warranty, Add For Marine Water Box Connections, Add	395,250.20 21,174.00 5,787.56	9,716.99
23 64 16 16-0050 EA 800 Ton, Six Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller For 5 Year Parts Only Compressor Warranty, Add For Marine Water Box Connections, Add	509,222.61 21,174.00 5,787.56	12,444.58

23 64 23 Scroll Water Chillers (23 64)**23 64 23 13 Air-Cooled Scroll Water Chillers (23 64 23)****23 64 23 13-0001 Packaged Air Cooled Scroll Water Chillers (23 64 23 13)**

Note: With integral heat exchanger. Rated by cooling capacity, tons. Units are factory assembled package type and include scroll compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, factory charge of refrigerant, start-up and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0840 for crane lifting equipment.

23 64 23 13-0002 EA 10 Ton Packaged Air Cooled Scroll Water Chiller.....	21,619.57	1,476.82
23 64 23 13-0003 EA 15 Ton Packaged Air Cooled Scroll Water Chiller.....	31,610.47	1,495.76
23 64 23 13-0004 EA 18 Ton Packaged Air Cooled Scroll Water Chiller.....	34,494.40	1,599.89
23 64 23 13-0005 EA 22 Ton Packaged Air Cooled Scroll Water Chiller.....	37,942.49	1,713.49
23 64 23 13-0006 EA 25 Ton Packaged Air Cooled Scroll Water Chiller.....	38,573.04	1,827.09
23 64 23 13-0007 EA 30 Ton Packaged Air Cooled Scroll Water Chiller.....	40,706.95	1,959.63
23 64 23 13-0008 EA 40 Ton Packaged Air Cooled Scroll Water Chiller.....	46,528.29	2,120.56
23 64 23 13-0009 EA 45 Ton Packaged Air Cooled Scroll Water Chiller.....	49,970.51	2,300.43
23 64 23 13-0010 EA 50 Ton Packaged Air Cooled Scroll Water Chiller.....	52,759.50	2,366.70
23 64 23 13-0011 EA 55 Ton Packaged Air Cooled Scroll Water Chiller.....	55,103.56	2,470.84
23 64 23 13-0012 EA 60 Ton Packaged Air Cooled Scroll Water Chiller.....	56,954.67	2,556.04
23 64 23 13-0013 EA 70 Ton Packaged Air Cooled Scroll Water Chiller.....	65,698.33	2,877.91
23 64 23 13-0014 EA 80 Ton Packaged Air Cooled Scroll Water Chiller.....	70,726.88	3,152.45
23 64 23 13-0015 EA 90 Ton Packaged Air Cooled Scroll Water Chiller.....	72,007.95	3,161.92
23 64 23 13-0016 EA 100 Ton Packaged Air Cooled Scroll Water Chiller.....	76,164.80	3,171.38
23 64 23 13-0017 EA 110 Ton Packaged Air Cooled Scroll Water Chiller.....	80,210.95	3,180.85
23 64 23 13-0018 EA 120 Ton Packaged Air Cooled Scroll Water Chiller.....	84,307.40	3,190.31
23 64 23 13-0019 EA 130 Ton Packaged Air Cooled Scroll Water Chiller.....	88,615.02	3,199.78

23 64 23 16 Water-Cooled Scroll Water Chillers (23 64 23)**23 64 23 16-0001 Packaged Water Cooled Scroll Water Chillers (23 64 23 16)**

Note: Integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type and include hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 23 16-0002 EA 20 Ton Packaged Water Cooled Scroll Water Chiller.....	41,376.32	1,860.97
23 64 23 16-0003 EA 25 Ton Packaged Water Cooled Scroll Water Chiller.....	47,757.68	1,917.19
23 64 23 16-0004 EA 30 Ton Packaged Water Cooled Scroll Water Chiller.....	52,996.17	2,104.68
23 64 23 16-0005 EA 40 Ton Packaged Water Cooled Scroll Water Chiller.....	65,135.70	2,695.21
23 64 23 16-0006 EA 50 Ton Packaged Water Cooled Scroll Water Chiller.....	72,074.80	2,953.69
23 64 23 16-0007 EA 60 Ton Packaged Water Cooled Scroll Water Chiller.....	75,634.11	3,263.45

23 64 26 Rotary-Screw Water Chillers (23 64)**23 64 26 13 Air-Cooled, Rotary-Screw Water Chillers (23 64 26)**

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Central Cooling Equipment

23 60

Packaged Water Chillers

23 64

23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 26 13-0001		Packaged Air Cooled Rotary-Screw Water Chillers (23 64 26 13) Note: Includes hermetic direct-drive compressors start-up, coil guards, copper fins, copper tubes, factory wired and installed control panel, refrigerant monitor with scanner, audible alarm, and lights, phase monitoring for 3 phase units, 440/460 voltage motor rating, motor starters, factory charge of refrigerant and equipment rigging. Units greater than 20 tons include dual compressors. Excludes crane and associated personnel. See CSI section 01 22 23 00-0840 for crane lifting equipment.		
23 64 26 13-0002	EA	70 Ton Packaged Air Cooled Rotary-Screw Water Chiller For Aluminum Fins Instead Of Copper, Deduct For 208/230 Voltage Motor Rating, Add	93,393.25 -1,319.39 3,518.37	3,625.79
23 64 26 13-0003	EA	80 Ton Packaged Air Cooled Rotary-Screw Water Chiller For Aluminum Fins Instead Of Copper, Deduct For 208/230 Voltage Motor Rating, Add	100,370.18 -1,417.09 3,778.89	3,938.20
23 64 26 13-0004	EA	90 Ton Packaged Air Cooled Rotary-Screw Water Chiller For Aluminum Fins Instead Of Copper, Deduct For 208/230 Voltage Motor Rating, Add	105,583.96 -1,491.32 3,976.84	4,108.59
23 64 26 13-0005	EA	100 Ton Packaged Air Cooled Rotary-Screw Water Chiller For Aluminum Fins Instead Of Copper, Deduct For 208/230 Voltage Motor Rating, Add	109,471.49 -1,542.67 4,113.79	4,421.01
23 64 26 13-0006	EA	110 Ton Packaged Air Cooled Rotary-Screw Water Chiller For Aluminum Fins Instead Of Copper, Deduct For 208/230 Voltage Motor Rating, Add	117,497.24 -1,658.23 4,421.94	4,638.74
23 64 26 13-0007	EA	120 Ton Packaged Air Cooled Rotary-Screw Water Chiller For Aluminum Fins Instead Of Copper, Deduct For 208/230 Voltage Motor Rating, Add	124,878.98 -1,766.68 4,711.15	4,733.41
23 64 26 13-0008	EA	130 Ton Packaged Air Cooled Rotary-Screw Water Chiller For Aluminum Fins Instead Of Copper, Deduct For 208/230 Voltage Motor Rating, Add	131,833.02 -1,867.44 4,979.85	4,894.34
23 64 26 13-0009	EA	140 Ton Packaged Air Cooled Rotary-Screw Water Chiller For Aluminum Fins Instead Of Copper, Deduct For 208/230 Voltage Motor Rating, Add	136,053.62 -1,928.34 5,142.24	4,998.47
23 64 26 13-0010	EA	160 Ton Packaged Air Cooled Rotary-Screw Water Chiller For Aluminum Fins Instead Of Copper, Deduct For 208/230 Voltage Motor Rating, Add	143,680.94 -2,040.33 5,440.89	5,102.62
23 64 26 13-0011	EA	170 Ton Packaged Air Cooled Rotary-Screw Water Chiller For Aluminum Fins Instead Of Copper, Deduct For 208/230 Voltage Motor Rating, Add	149,983.43 -2,131.32 5,683.52	5,263.55
23 64 26 13-0012	EA	180 Ton Packaged Air Cooled Rotary-Screw Water Chiller For Aluminum Fins Instead Of Copper, Deduct For 208/230 Voltage Motor Rating, Add	158,164.80 -2,249.36 5,998.28	5,471.82
23 64 26 13-0013	EA	200 Ton Packaged Air Cooled Rotary-Screw Water Chiller For Aluminum Fins Instead Of Copper, Deduct For 208/230 Voltage Motor Rating, Add	165,342.19 -2,354.60 6,278.94	5,585.42
23 64 26 13-0014	EA	215 Ton Packaged Air Cooled Rotary-Screw Water Chiller For Aluminum Fins Instead Of Copper, Deduct For 208/230 Voltage Motor Rating, Add	177,266.66 -2,531.20 6,749.86	5,680.09
23 64 26 13-0015	EA	225 Ton Packaged Air Cooled Rotary-Screw Water Chiller For Aluminum Fins Instead Of Copper, Deduct For 208/230 Voltage Motor Rating, Add	185,191.08 -2,648.93 7,063.81	5,736.89
23 64 26 13-0016	EA	240 Ton Packaged Air Cooled Rotary-Screw Water Chiller For Aluminum Fins Instead Of Copper, Deduct For 208/230 Voltage Motor Rating, Add	193,115.50 -2,766.66 7,377.76	5,784.22
23 64 26 13-0017	EA	260 Ton Packaged Air Cooled Rotary-Screw Water Chiller For Aluminum Fins Instead Of Copper, Deduct For 208/230 Voltage Motor Rating, Add	216,831.91 -3,119.85 8,319.60	5,897.83
23 64 26 13-0018	EA	280 Ton Packaged Air Cooled Rotary-Screw Water Chiller For Aluminum Fins Instead Of Copper, Deduct For 208/230 Voltage Motor Rating, Add	228,765.87 -3,296.44 8,790.52	6,011.43
23 64 26 13-0019	EA	300 Ton Packaged Air Cooled Rotary-Screw Water Chiller For Aluminum Fins Instead Of Copper, Deduct For 208/230 Voltage Motor Rating, Add	244,614.69 -3,531.90 9,418.41	6,106.10
23 64 26 13-0020	EA	325 Ton Packaged Air Cooled Rotary-Screw Water Chiller For Aluminum Fins Instead Of Copper, Deduct For 208/230 Voltage Motor Rating, Add	268,312.19 -3,885.09 10,360.25	6,210.23
23 64 26 13-0021	EA	350 Ton Packaged Air Cooled Rotary-Screw Water Chiller For Aluminum Fins Instead Of Copper, Deduct For 208/230 Voltage Motor Rating, Add	292,552.10 -4,246.85 11,324.93	6,285.96
23 64 26 16		Water-Cooled, Rotary-Screw Water Chillers (23 64 26)		
23 64 26 16-0001		Packaged Water Cooled Helical Rotary Water Chillers (23 64 26 16) Note: Integral heat exchanger. Rated by cooling capacity in tons. Factory assembled package type includes semi-hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gages, lead-lag switch, compressor unloaders, removable core filter dryer, 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, full factory refrigerant charge, vibration eliminators, NEMA 1 flow switches, wye-delta starter, extended warranty on compressor(s), start-up costs and equipment rigging. Excludes piping and power wiring.		
23 64 26 16-0002	EA	70 Ton Packaged Water Cooled Helical Rotary Water Chiller	80,844.32	4,557.79
23 64 26 16-0003	EA	80 Ton Packaged Water Cooled Helical Rotary Water Chiller	87,874.97	4,735.03
23 64 26 16-0004	EA	90 Ton Packaged Water Cooled Helical Rotary Water Chiller	93,973.22	4,861.64
23 64 26 16-0005	EA	100 Ton Packaged Water Cooled Helical Rotary Water Chiller	99,238.63	5,066.74
23 64 26 16-0006	EA	110 Ton Packaged Water Cooled Helical Rotary Water Chiller	104,502.37	5,206.00
23 64 26 16-0007	EA	125 Ton Packaged Water Cooled Helical Rotary Water Chiller	110,920.90	5,352.16
23 64 26 16-0008	EA	130 Ton Packaged Water Cooled Helical Rotary Water Chiller	113,766.79	5,501.76

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 64 Packaged Water Chillers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 26 16-0009 EA 150 Ton Packaged Water Cooled Helical Rotary Water Chiller	123,328.48	5,650.64
23 64 26 16-0010 EA 175 Ton Packaged Water Cooled Helical Rotary Water Chiller	132,625.33	5,790.51
23 64 26 16-0011 EA 190 Ton Packaged Water Cooled Helical Rotary Water Chiller	137,131.85	6,080.08
23 64 26 16-0012 EA 200 Ton Packaged Water Cooled Helical Rotary Water Chiller	164,520.78	6,373.31
23 64 26 16-0013 EA 210 Ton Packaged Water Cooled Helical Rotary Water Chiller	166,727.66	6,509.73
23 64 26 16-0014 EA 235 Ton Packaged Water Cooled Helical Rotary Water Chiller	181,403.16	6,652.13
23 64 26 16-0015 EA 255 Ton Packaged Water Cooled Helical Rotary Water Chiller	192,782.14	6,956.60
23 64 26 16-0016 EA 275 Ton Packaged Water Cooled Helical Rotary Water Chiller	203,550.65	7,238.17
23 64 26 16-0017 EA 300 Ton Packaged Water Cooled Helical Rotary Water Chiller	216,105.10	7,524.90
23 64 26 16-0018 EA 350 Ton Packaged Water Cooled Helical Rotary Water Chiller	237,226.82	8,191.86
23 64 26 16-0019 EA 400 Ton Packaged Water Cooled Helical Rotary Water Chiller	254,417.85	9,010.23
23 64 26 16-0020 EA 450 Ton Packaged Water Cooled Helical Rotary Water Chiller	267,694.45	9,911.66

23 65 Cooling Towers (23 60)**23 65 13 Forced-Draft Cooling Towers** (23 65)**23 65 13 16 Closed-Circuit, Forced-Draft Cooling Towers** (23 65 13)**23 65 13 16-0001 Closed-Circuit, Forced-Draft Cooling Towers** (23 65 13 16)**23 65 13 16-0002 Blow-Thru Centrifugal Fan Type Galvanized Cooling Towers** (23 65 13 16-0001)

Note: Including 2-speed motor internal piping, vibration switch, basin, start-up costs and equipment rigging.
Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Design temperature 95 degree F in, 85 degree F out. Excludes crane and associated personnel.

23 65 13 16-0003 EA 50 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	17,108.56	1,571.49
For Stainless Steel Cooling Tower, Add	8,850.79	
23 65 13 16-0004 EA 75 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	23,586.60	1,921.76
For Stainless Steel Cooling Tower, Add	12,430.89	
23 65 13 16-0005 EA 100 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	29,571.89	2,414.03
For Stainless Steel Cooling Tower, Add	15,414.30	
23 65 13 16-0006 EA 125 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	34,106.79	2,698.04
For Stainless Steel Cooling Tower, Add	17,862.59	
23 65 13 16-0007 EA 150 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	38,981.02	3,038.85
For Stainless Steel Cooling Tower, Add	20,457.69	
23 65 13 16-0008 EA 175 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	43,829.99	3,408.05
For Stainless Steel Cooling Tower, Add	23,014.90	
23 65 13 16-0009 EA 200 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	49,190.38	3,796.19
For Stainless Steel Cooling Tower, Add	25,856.25	
23 65 13 16-0010 EA 225 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	53,755.11	4,279.00
For Stainless Steel Cooling Tower, Add	28,129.33	
23 65 13 16-0011 EA 250 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	58,562.96	4,752.34
For Stainless Steel Cooling Tower, Add	30,553.94	
23 65 13 16-0012 EA 275 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	64,121.88	5,623.29
For Stainless Steel Cooling Tower, Add	33,054.32	
23 65 13 16-0013 EA 300 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	69,684.16	6,229.17
For Stainless Steel Cooling Tower, Add	35,800.96	
23 65 13 16-0014 EA 325 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	73,428.15	6,626.77
For Stainless Steel Cooling Tower, Add	37,695.19	
23 65 13 16-0015 EA 350 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	77,809.84	7,014.91
For Stainless Steel Cooling Tower, Add	39,920.92	
23 65 13 16-0016 EA 375 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	82,068.44	7,355.71
For Stainless Steel Cooling Tower, Add	42,146.63	
23 65 13 16-0017 EA 400 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	86,949.00	7,696.52
For Stainless Steel Cooling Tower, Add	44,751.20	
23 65 13 16-0018 EA 425 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	92,119.94	8,113.06
For Stainless Steel Cooling Tower, Add	47,450.48	
23 65 13 16-0019 EA 450 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	97,991.75	8,529.60
For Stainless Steel Cooling Tower, Add	50,575.96	
23 65 13 16-0020 EA 475 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	103,699.44	8,889.34
For Stainless Steel Cooling Tower, Add	53,654.09	
23 65 13 16-0021 EA 500 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	109,416.59	9,249.07
For Stainless Steel Cooling Tower, Add	56,732.21	
23 65 13 16-0022 EA 550 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	120,292.34	9,637.21
For Stainless Steel Cooling Tower, Add	62,888.46	
23 65 13 16-0023 EA 600 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	132,115.22	10,015.89
For Stainless Steel Cooling Tower, Add	69,612.98	
23 65 13 16-0024 EA 650 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	136,926.53	10,224.16
For Stainless Steel Cooling Tower, Add	72,454.33	
23 65 13 16-0025 EA 700 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	142,684.95	10,356.70
For Stainless Steel Cooling Tower, Add	75,863.94	
23 65 13 16-0026 EA 750 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	149,358.59	10,886.84
For Stainless Steel Cooling Tower, Add	79,368.27	
23 65 13 16-0027 EA 800 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	157,137.18	11,416.97
For Stainless Steel Cooling Tower, Add	83,535.58	
23 65 13 16-0028 EA 850 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	164,991.50	11,994.45
For Stainless Steel Cooling Tower, Add	87,702.88	
23 65 13 16-0029 EA 900 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	174,108.65	12,571.93
For Stainless Steel Cooling Tower, Add	92,627.89	
23 65 13 16-0030 EA 950 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	183,516.19	13,234.61
For Stainless Steel Cooling Tower, Add	97,647.59	
23 65 13 16-0031 EA 1,000 Ton Centrifugal Type Cooling Tower	194,177.07	13,897.28
For Stainless Steel Cooling Tower, Add	103,425.00	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Central Cooling Equipment

23 60

Cooling Towers

23 65

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 Induced-Draft Cooling Towers (23 65)		
23 65 14 13 Open-Circuit, Induced-Draft Counterflow Cooling Towers (23 65 14)		
23 65 14 13-0001 Galvanized Induced Draft Axial Single Flow Propeller Type Cooling Towers (23 65 14 13) Note: Includes internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.		
23 65 14 13-0002 EA 10 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	8,717.46 1,069.06 2,138.11	1,060.29
23 65 14 13-0003 EA 20 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	10,341.71 1,292.81 2,585.63	1,145.49
23 65 14 13-0004 EA 30 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	12,373.19 1,566.29 3,132.59	1,287.49
23 65 14 13-0005 EA 40 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	13,732.20 1,740.32 3,480.65	1,420.02
23 65 14 13-0006 EA 50 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	16,279.84 2,088.39 4,176.78	1,571.49
23 65 14 13-0007 EA 60 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	18,953.44 2,462.45 4,924.90	1,694.56
23 65 14 13-0008 EA 75 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	21,763.40 2,834.24 5,668.49	1,921.76
23 65 14 13-0009 EA 100 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	27,085.72 3,480.65 6,961.30	2,414.03
23 65 14 13-0010 EA 125 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	29,529.07 3,778.99 7,557.98	2,698.04
23 65 14 13-0011 EA 150 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	45,195.93 6,046.66 12,093.32	3,038.85
23 65 14 13-0012 EA 200 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	54,679.71 7,287.46 14,574.92	3,796.19
23 65 14 13-0013 EA 300 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	70,621.49 9,090.84 18,181.68	6,229.17
23 65 14 13-0014 Galvanized Induced Draft Double Flow Propeller Type Packaged Cooling Towers (23 65 14 13) Note: 3 GPM/ton draft. Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.		
23 65 14 13-0015 EA 100 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	27,085.72 3,480.65 6,961.30	2,414.03
23 65 14 13-0016 EA 150 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	36,100.21 4,682.30 9,364.60	3,038.85
23 65 14 13-0017 EA 200 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	45,875.48 5,966.83 11,933.66	3,796.19
23 65 14 13-0018 EA 250 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	54,411.43 7,015.76 14,031.51	4,752.34
23 65 14 13-0019 EA 300 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	64,609.20 8,189.00 16,377.99	6,229.17
23 65 14 13-0020 EA 350 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	72,008.75 9,110.07 18,220.13	7,014.91
23 65 14 13-0021 EA 400 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	80,319.19 10,193.33 20,386.66	7,696.52
23 65 14 13-0022 EA 450 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	91,046.24 11,602.16 23,204.33	8,529.60
23 65 14 13-0023 EA 500 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	102,707.85 13,176.74 26,353.49	9,249.07
23 65 14 13-0024 EA 550 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	110,031.93 14,183.05 28,366.11	9,750.81
23 65 14 13-0025 EA 600 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	117,951.11 15,278.63 30,557.26	10,015.89

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 65 Cooling Towers**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 13-0026	EA	700 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	133,924.14 17,651.86 35,303.73	10,356.70
23 65 14 13-0027	EA	800 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	146,876.76 19,344.83 38,689.66	11,416.97
23 65 14 13-0028	EA	900 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	162,269.70 21,381.13 42,762.26	12,571.93
23 65 14 14 Open-Circuit, Induced-Draft Crossflow Cooling Towers (23 65 14)				
23 65 14 14-0001		Galvanized Induced Draft Crossflow Film Filled Propeller Type Cooling Towers (23 65 14 14) Note: Includes fan, 2-speed motor, geared speed reducer, louvers, drift eliminators, hot water distribution system, cold water collection basin, float valve and access door, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0840 for crane lifting equipment.		
23 65 14 14-0002	EA	10 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	7,395.48 870.76 1,741.52	1,060.29
23 65 14 14-0003	EA	15 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	7,987.45 956.71 1,913.43	1,079.22
23 65 14 14-0004	EA	20 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	8,687.03 1,038.93 2,077.86	1,173.89
23 65 14 14-0005	EA	25 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	10,167.44 1,248.21 2,496.42	1,230.68
23 65 14 14-0006	EA	30 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	11,523.28 1,438.81 2,877.61	1,287.49
23 65 14 14-0007	EA	35 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	12,848.22 1,621.93 3,243.86	1,353.76
23 65 14 14-0008	EA	40 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	14,064.04 1,790.10 3,580.20	1,420.02
23 65 14 14-0009	EA	45 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	15,413.89 1,976.96 3,953.92	1,495.76
23 65 14 14-0010	EA	50 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	16,732.85 2,156.34 4,312.68	1,571.49
23 65 14 14-0011	EA	60 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	19,329.42 2,518.85 5,037.69	1,694.56
23 65 14 14-0012	EA	70 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	22,144.23 2,911.25 5,822.50	1,827.09
23 65 14 14-0013	EA	75 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	23,447.74 3,086.89 6,173.79	1,921.76
23 65 14 14-0014	EA	80 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	24,864.85 3,262.54 6,525.08	2,082.70
23 65 14 14-0015	EA	90 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	25,908.25 3,382.13 6,764.26	2,243.64
23 65 14 14-0016	EA	100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	27,849.04 3,595.15 7,190.30	2,414.03
23 65 14 14-0017	EA	125 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	28,976.14 3,696.05 7,392.10	2,698.04
23 65 14 14-0018	EA	150 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	33,661.00 4,316.42 8,632.84	3,038.85
23 65 14 14-0019	EA	175 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	37,187.85 4,757.40 9,514.81	3,408.05
23 65 14 14-0020	EA	200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	39,133.12 4,955.47 9,910.95	3,796.19
23 65 14 14-0021	EA	225 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	45,241.08 5,755.23 11,510.45	4,279.00
23 65 14 14-0022	EA	250 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	49,595.57 6,293.38 12,586.76	4,752.34
23 65 14 14-0023	EA	275 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	53,005.26 6,596.09 13,192.18	5,623.29

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Central Cooling Equipment

23 60

Cooling Towers

23 65

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0024 EA 300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	57,178.85 7,074.44 14,148.89	6,229.17
23 65 14 14-0025 EA 350 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	65,364.14 8,113.37 16,226.75	7,014.91
23 65 14 14-0026 EA 400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	72,058.56 8,954.24 17,908.47	7,696.52
23 65 14 14-0027 EA 450 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	79,646.90 9,892.26 19,784.53	8,529.60
23 65 14 14-0028 EA 500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	86,790.77 10,789.18 21,578.36	9,249.07
23 65 14 14-0029 EA 600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	99,232.94 12,470.90 24,941.81	10,015.89
23 65 14 14-0030 EA 700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	111,368.23 14,268.48 28,536.95	10,356.70
23 65 14 14-0031 EA 800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	124,495.02 15,987.57 31,975.14	11,416.97
23 65 14 14-0032 EA 900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	137,225.15 17,624.45 35,248.89	12,571.93
23 65 14 14-0033 EA 1,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	149,687.69 19,182.84 38,365.69	13,897.28
23 65 14 14-0034 EA 1,100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	163,868.39 21,152.33 42,304.65	14,569.43
23 65 14 14-0035 EA 1,200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	177,543.85 23,054.54 46,109.08	15,194.24
23 65 14 14-0036 EA 1,300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	188,831.91 24,441.03 48,882.05	16,500.66
23 65 14 14-0037 EA 1,400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	199,748.27 25,749.03 51,498.07	17,901.75
23 65 14 14-0038 EA 1,500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	210,264.47 26,978.56 53,957.12	19,378.57
23 65 14 14-0039 EA 1,600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	219,970.98 28,122.13 56,244.26	20,713.39
23 65 14 14-0040 EA 1,700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	229,441.77 29,183.48 58,366.97	22,237.55
23 65 14 14-0041 EA 1,800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	238,768.00 30,166.36 60,332.71	23,998.38
23 65 14 14-0042 EA 1,900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	247,511.80 31,063.27 62,126.55	25,759.20
23 65 14 14-0043 EA 2,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower For Polymer Coating Over Galvanized Components, Add For Stainless Steel Support Structure, Add	256,735.87 31,881.71 63,763.43	28,163.78
23 65 14 14-0044 Induced Draft Crossflow Stainless Steel Propeller Type Cooling Towers (23 65		
14 14)		
Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0840 for crane lifting equipment.		
23 65 14 14-0045 EA 100 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower For Induced Draft Counter Flow Type, Add	75,216.07 3,566.73	2,414.03
23 65 14 14-0046 EA 125 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower For Induced Draft Counter Flow Type, Add	85,253.98 4,045.91	2,679.11
23 65 14 14-0047 EA 150 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower For Induced Draft Counter Flow Type, Add	93,168.07 4,414.16	3,038.85
23 65 14 14-0048 EA 200 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower For Induced Draft Counter Flow Type, Add	103,548.77 4,872.61	3,796.19
23 65 14 14-0049 EA 250 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower For Induced Draft Counter Flow Type, Add	117,263.57 5,481.19	4,752.34
23 65 14 14-0050 EA 300 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower For Induced Draft Counter Flow Type, Add	134,590.14 6,228.71	6,229.17
23 65 14 14-0051 EA 350 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower For Induced Draft Counter Flow Type, Add	146,620.40 6,767.27	7,014.91
23 65 14 14-0052 EA 400 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower For Induced Draft Counter Flow Type, Add	158,480.24 7,305.83	7,696.52
23 65 14 14-0053 EA 500 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower For Induced Draft Counter Flow Type, Add	182,899.02 8,401.81	9,249.07
23 65 14 14-0054 EA 600 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower For Induced Draft Counter Flow Type, Add	206,612.89 9,525.97	10,015.89

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 65 Cooling Towers**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT
UNIT COST DEMOLITION
UNIT COST

23 65 14 14-0055	EA	750 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	255,943.25	10,886.84
		<i>For Induced Draft Counter Flow Type, Add</i>	11,897.82	
23 65 14 14-0056	EA	1,000 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	332,263.69	13,897.28
		<i>For Induced Draft Counter Flow Type, Add</i>	15,523.08	

23 65 14 16 Closed-Circuit, Induced-Draft Counterflow Cooling Towers (23 65 14)**23 65 14 16-0001 Stainless Steel Packaged Propeller Type Cooling Towers (23 65 14 16)**

Note: Including internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 79 degree F wet Bulb. 3 GPM/ton.

23 65 14 16-0002 Draw-Thru Stainless Steel Propeller Type Cooling Towers (23 65 14 16-0001)

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0840 for crane lifting equipment.

23 65 14 16-0003	EA	50 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	31,585.78	1,571.49
23 65 14 16-0004	EA	75 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	44,907.36	1,921.76
23 65 14 16-0005	EA	100 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	52,911.84	2,414.03
23 65 14 16-0006	EA	125 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	59,984.32	2,698.04
23 65 14 16-0007	EA	150 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	65,799.46	3,038.85
23 65 14 16-0008	EA	200 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	78,895.35	3,796.19
23 65 14 16-0009	EA	250 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	92,837.98	4,752.34
23 65 14 16-0010	EA	300 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	110,026.36	6,229.17
23 65 14 16-0011	EA	350 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	120,443.18	7,014.91
23 65 14 16-0012	EA	400 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	136,564.43	7,696.52
23 65 14 16-0013	EA	500 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	158,290.42	9,249.07
23 65 14 16-0014	EA	600 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	178,714.25	10,015.89
23 65 14 16-0015	EA	750 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	221,096.58	10,886.84
23 65 14 16-0016	EA	1,000 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	281,650.78	13,745.82

23 65 14 16-0017 Belt Driven Stainless Steel Propeller Type Cooling Towers (23 65 14 16-0001)

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0840 for crane lifting equipment.

23 65 14 16-0018	EA	100 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	55,119.11	2,414.03
23 65 14 16-0019	EA	125 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	59,640.72	2,698.04
23 65 14 16-0020	EA	150 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	64,260.72	3,038.85
23 65 14 16-0021	EA	200 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	75,985.94	3,796.19
23 65 14 16-0022	EA	250 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	83,728.80	4,752.34

23 65 14 16-0023 Fiberglass Packaged Draw-Thru Propeller Type Cooling Towers (23 65 14 16)

Note: Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 14 16-0024	EA	5 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	3,695.39	984.55
23 65 14 16-0025	EA	8 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	3,889.77	1,031.88
23 65 14 16-0026	EA	10 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	4,508.96	1,060.29
23 65 14 16-0027	EA	15 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	5,085.51	1,079.22
23 65 14 16-0028	EA	20 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	6,636.93	1,173.89
23 65 14 16-0029	EA	25 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	7,018.73	1,230.68
23 65 14 16-0030	EA	30 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	7,922.56	1,287.49
23 65 14 16-0031	EA	40 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	9,129.80	1,420.02
23 65 14 16-0032	EA	50 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	10,187.48	1,571.49
23 65 14 16-0033	EA	60 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	11,411.38	1,694.56
23 65 14 16-0034	EA	70 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	13,152.50	1,827.09
23 65 14 16-0035	EA	80 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	14,326.06	2,082.70
23 65 14 16-0036	EA	100 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	17,347.58	2,414.03
23 65 14 16-0037	EA	125 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	21,419.96	2,698.04
23 65 14 16-0038	EA	150 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	24,057.09	3,038.85
23 65 14 16-0039	EA	175 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	29,187.96	3,408.05
23 65 14 16-0040	EA	200 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	32,553.35	3,796.19
23 65 14 16-0041	EA	225 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	35,987.16	4,279.00
23 65 14 16-0042	EA	250 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	39,269.14	4,752.34
23 65 14 16-0043	EA	300 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	47,090.89	6,229.17
23 65 14 16-0044	EA	350 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	53,510.82	7,014.91
23 65 14 16-0045	EA	400 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	59,463.74	7,696.52
23 65 14 16-0046	EA	500 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	72,284.66	9,059.74
23 65 14 16-0047	EA	600 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	82,531.99	10,015.89
23 65 14 16-0048	EA	700 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	87,184.74	7,696.52
23 65 14 16-0049	EA	800 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	99,962.64	11,416.97
23 65 14 16-0050	EA	1,000 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	113,939.97	9,514.15

23 65 43 Cooling Tower Basins and Accessories (23 65)**23 65 43 00-0001 Fiberglass Cooling Tower Remote Sump Basins (23 65 43)**

Note: Includes one inlet sleeve. Excludes cover, excavation, backfill, concrete cut and concrete patch. Excludes crane and associated personnel. See CSI section 01 22 23 00-0840 for crane lifting equipment.

23 65 43 00-0002	EA	30" Diameter x 30" Depth, 92 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,014.92	
		<i>For Anti-Flotation Flanges, Add</i>	115.00	
		<i>For Perforated Basins, Add</i>	80.00	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
Central Cooling Equipment			23 60
Cooling Towers			23 65

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 43 00-0003 EA 30" Diameter x 36" Depth, 110 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... For Anti-Flotation Flanges, Add For Perforated Basins, Add	1,150.38 115.00 80.00	
23 65 43 00-0004 EA 36" Diameter x 30" Depth, 132 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... For Anti-Flotation Flanges, Add For Perforated Basins, Add	1,121.58 253.00 80.00	
23 65 43 00-0005 EA 36" Diameter x 36" Depth, 159 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... For Anti-Flotation Flanges, Add For Perforated Basins, Add	1,319.20 253.00 80.00	
23 65 43 00-0006 EA 42" Diameter x 30" Depth, 180 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... For Anti-Flotation Flanges, Add For Perforated Basins, Add	1,436.12 276.00 100.00	
23 65 43 00-0007 EA 42" Diameter x 36" Depth, 216 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... For Anti-Flotation Flanges, Add For Perforated Basins, Add	1,591.96 276.00 100.00	
23 65 43 00-0008 EA 42" Diameter x 42" Depth, 252 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... For Anti-Flotation Flanges, Add For Perforated Basins, Add	1,747.80 276.00 100.00	
23 65 43 00-0009 EA 48" Diameter x 36" Depth, 282 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... For Anti-Flotation Flanges, Add For Perforated Basins, Add	1,754.23 294.00 140.00	
23 65 43 00-0010 EA 48" Diameter x 42" Depth, 329 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... For Anti-Flotation Flanges, Add For Perforated Basins, Add	1,934.18 294.00 140.00	
23 65 43 00-0011 EA 48" Diameter x 48" Depth, 376 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... For Anti-Flotation Flanges, Add For Perforated Basins, Add	2,210.65 294.00 140.00	
23 65 43 00-0012 EA 48" Diameter x 54" Depth, 423 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... For Anti-Flotation Flanges, Add For Perforated Basins, Add	2,488.98 294.00 140.00	
23 65 43 00-0013 EA 48" Diameter x 60" Depth, 470 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... For Anti-Flotation Flanges, Add For Perforated Basins, Add	2,665.22 294.00 140.00	

23 65 43 00-0014 Cooling Tower Accessories (23 65 43)

23 65 43 00-0015 EA 2" Deflection Vibration Isolator, Cooling Tower Accessory (M.M. Sausse RMLS-SB-EQ).....	23,300.00	
23 65 43 00-0016 EA 3" Deflection Vibration Isolator, Cooling Tower Accessory (M.M. Sausse RMLS-SB-EQ).....	27,133.20	

23 70 Central HVAC Equipment (23)

Note: New air filters shall be provided on HVAC equipment prior to turning over to owner. Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 71 Thermal Storage (23 70)**23 71 13 Thermal Heat Storage** (23 71)**23 71 13 23 Pressurized-Water Thermal Storage Tanks** (23 71 13)**23 71 13 23-0001 Nickelshield Storage Tanks** (23 71 13 23)

23 71 13 23-0002 EA 325 Gallon Nickelshield Storage Tank	19,195.11	180.33
23 71 13 23-0003 EA 490 Gallon Nickelshield Storage Tank	26,782.20	239.10
23 71 13 23-0004 EA 605 Gallon Nickelshield Storage Tank	30,667.16	289.19
23 71 13 23-0005 EA 740 Gallon Nickelshield Storage Tank	36,317.12	361.48
23 71 13 23-0006 EA 940 Gallon Nickelshield Storage Tank	42,273.82	480.54
23 71 13 23-0007 EA 1,505 Gallon Nickelshield Storage Tank	54,655.72	723.06
23 71 13 23-0008 EA 1,615 Gallon Nickelshield Storage Tank	61,719.70	814.40
23 71 13 23-0009 EA 2,275 Gallon Nickelshield Storage Tank	84,744.84	1,081.74
23 71 13 23-0010 EA 3,815 Gallon Nickelshield Storage Tank	109,602.85	1,257.56

23 72 Air-To-Air Energy Recovery Equipment (23 70)**23 72 13 Heat-Wheel Air-To-Air Energy-Recovery Equipment** (23 72)**23 72 13 00-0001 Enthalpy Recovery Wheel** (23 72 13)

23 72 13 00-0002 EA Up To 1,000 CFM Enthalpy Recovery Wheel	7,108.27	675.79
23 72 13 00-0003 EA >1,000 To 2,000 CFM Enthalpy Recovery Wheel	7,921.45	811.15
23 72 13 00-0004 EA >2,000 To 4,000 CFM Enthalpy Recovery Wheel	9,911.59	1,013.94
23 72 13 00-0005 EA >4,000 To 6,000 CFM Enthalpy Recovery Wheel	11,577.27	1,158.42
23 72 13 00-0006 EA >6,000 To 8,000 CFM Enthalpy Recovery Wheel	12,777.43	1,216.73
23 72 13 00-0007 EA >8,000 To 10,000 CFM Enthalpy Recovery Wheel	15,466.50	1,352.08
23 72 13 00-0008 EA >10,000 To 15,000 CFM Enthalpy Recovery Wheel	20,357.93	1,419.51
23 72 13 00-0009 EA >15,000 To 20,000 CFM Enthalpy Recovery Wheel	25,234.21	1,520.90
23 72 13 00-0010 EA >20,000 To 25,000 CFM Enthalpy Recovery Wheel	30,507.01	1,737.89
23 72 13 00-0011 EA >25,000 To 30,000 CFM Enthalpy Recovery Wheel	34,329.09	2,230.66
23 72 13 00-0012 EA >30,000 To 40,000 CFM Enthalpy Recovery Wheel	45,781.33	2,534.85
23 72 13 00-0013 EA >40,000 To 50,000 CFM Enthalpy Recovery Wheel	54,465.56	3,041.81

23 72 16 Heat-Pipe Air-To-Air Energy-Recovery Equipment (23 72)

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 72 Air-To-Air Energy Recovery Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 72 16 00-0001		Glycol Heat Pipe Type, 50 Percent Efficient (23 72 16)		
23 72 16 00-0002	EA	100 MBH, 1,700 CFM Glycol Heat Recovery Unit.....	12,460.95	506.97
23 72 16 00-0003	EA	160 MBH, 2,700 CFM Glycol Heat Recovery Unit.....	19,532.45	675.99
23 72 16 00-0004	EA	620 MBH, 4,000 CFM Glycol Heat Recovery Unit.....	28,962.02	1,013.94
23 73		Indoor Central-Station Air-Handling Units (23 70)		
23 73 13		Modular Indoor Central-Station Air-Handling Units (23 73)		
Note: Sized by CFM. Includes motor drive vibration isolators. Use modifiers for Filters and heating and cooling coils. Includes double wall insulated casing, fan section, fan motor, internal dampers, starter, vibration isolators and equipment rigging. Variable speed drives are included on units with 10 HP or greater fans. Modifiers include cooling coil sections with 6 row aluminum fin coil and drain pan, heating coil section with 1 row aluminum fin coil, and filter section with replaceable filters.				
23 73 13 00-0001		Single Zone Units (23 73 13)		
Note: Horizontal/vertical draw-thru fan, motor and cabinet.				
23 73 13 00-0002	EA	300 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	2,105.08	500.78
		For Flat Filter Box And Throwaway Filters, Add	174.74	
		For Medium Capacity Filter Box And Throwaway Filters, Add	328.02	
		For Combination Filter Mixing Box And Throwaway Filters, Add	488.45	
		For Manual Roll Filter, Add	835.87	
		For Automatic Roll Filter, Add	905.35	
		For Hot Water Heating Coil, Aluminum Fins, Add	418.96	
		For Electric Heating Coil, Add	696.90	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	696.90	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	627.42	
		For Steam Heating Coil, Aluminum Fins, Add	557.93	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	452.68	
		For Chilled Water Cooling Coil, Copper Fins, Add	835.87	
		For Direct Expansion Cooling Coil, Copper Fins, Add	766.38	
		For Hot Water Heating Coil, Copper Fins, Add	557.93	
		For Variable Air Volume, Add	194.56	
		For Economizer, Panel, Controls And Damper(s), Add	1,140.77	
		For 2 Coils, Independent Circuits, Add	238.30	
23 73 13 00-0003	EA	500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	3,316.47	600.93
		For Flat Filter Box And Throwaway Filters, Add	288.76	
		For Medium Capacity Filter Box And Throwaway Filters, Add	551.78	
		For Combination Filter Mixing Box And Throwaway Filters, Add	823.39	
		For Manual Roll Filter, Add	1,438.06	
		For Automatic Roll Filter, Add	1,560.99	
		For Hot Water Heating Coil, Aluminum Fins, Add	700.45	
		For Electric Heating Coil, Add	1,192.19	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	1,192.19	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,069.25	
		For Steam Heating Coil, Aluminum Fins, Add	946.32	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	780.50	
		For Chilled Water Cooling Coil, Copper Fins, Add	1,438.06	
		For Direct Expansion Cooling Coil, Copper Fins, Add	1,315.12	
		For Hot Water Heating Coil, Copper Fins, Add	946.32	
		For Variable Air Volume, Add	344.22	
		For Economizer, Panel, Controls And Damper(s), Add	1,240.45	
		For 2 Coils, Independent Circuits, Add	380.82	
23 73 13 00-0004	EA	800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	3,747.51	645.37
		For Flat Filter Box And Throwaway Filters, Add	328.66	
		For Medium Capacity Filter Box And Throwaway Filters, Add	629.66	
		For Combination Filter Mixing Box And Throwaway Filters, Add	939.87	
		For Manual Roll Filter, Add	1,646.28	
		For Automatic Roll Filter, Add	1,787.56	
		For Hot Water Heating Coil, Aluminum Fins, Add	798.59	
		For Electric Heating Coil, Add	1,363.71	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	1,363.71	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,222.43	
		For Steam Heating Coil, Aluminum Fins, Add	1,081.15	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	893.78	
		For Chilled Water Cooling Coil, Copper Fins, Add	1,646.28	
		For Direct Expansion Cooling Coil, Copper Fins, Add	1,505.00	
		For Hot Water Heating Coil, Copper Fins, Add	1,081.15	
		For Variable Air Volume, Add	395.59	
		For Economizer, Panel, Controls And Damper(s), Add	1,285.33	
		For 2 Coils, Independent Circuits, Add	431.26	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
Central HVAC Equipment			23 70	
Indoor Central-Station Air-Handling Units			23 73	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0005	EA		1,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....4,226.71		693.49
			For Flat Filter Box And Throwaway Filters, Add	373.13	
			For Medium Capacity Filter Box And Throwaway Filters, Add	716.53	
			For Combination Filter Mixing Box And Throwaway Filters, Add	1,069.85	
			For Manual Roll Filter, Add	1,878.81	
			For Automatic Roll Filter, Add	2,040.61	
			For Hot Water Heating Coil, Aluminum Fins, Add	908.05	
			For Electric Heating Coil, Add	1,555.23	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	1,555.23	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,393.43	
			For Steam Heating Coil, Aluminum Fins, Add	1,231.64	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,020.30	
			For Chilled Water Cooling Coil, Copper Fins, Add	1,878.81	
			For Direct Expansion Cooling Coil, Copper Fins, Add	1,717.02	
			For Hot Water Heating Coil, Copper Fins, Add	1,231.64	
			For Variable Air Volume, Add	453.02	
			For Economizer, Panel, Controls And Damper(s), Add	1,333.59	
			For 2 Coils, Independent Circuits, Add	487.39	
23 73 13 00-0006	EA		1,200 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....4,791.59		746.07
			For Flat Filter Box And Throwaway Filters, Add	425.93	
			For Medium Capacity Filter Box And Throwaway Filters, Add	819.93	
			For Combination Filter Mixing Box And Throwaway Filters, Add	1,224.57	
			For Manual Roll Filter, Add	2,156.32	
			For Automatic Roll Filter, Add	2,342.67	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,038.21	
			For Electric Heating Coil, Add	1,783.62	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	1,783.62	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,597.27	
			For Steam Heating Coil, Aluminum Fins, Add	1,410.92	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,171.34	
			For Chilled Water Cooling Coil, Copper Fins, Add	2,156.32	
			For Direct Expansion Cooling Coil, Copper Fins, Add	1,969.97	
			For Hot Water Heating Coil, Copper Fins, Add	1,410.92	
			For Variable Air Volume, Add	521.78	
			For Economizer, Panel, Controls And Damper(s), Add	1,385.19	
			For 2 Coils, Independent Circuits, Add	553.70	
23 73 13 00-0007	EA		1,400 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....5,450.23		801.77
			For Flat Filter Box And Throwaway Filters, Add	487.76	
			For Medium Capacity Filter Box And Throwaway Filters, Add	941.15	
			For Combination Filter Mixing Box And Throwaway Filters, Add	1,406.00	
			For Manual Roll Filter, Add	2,482.21	
			For Automatic Roll Filter, Add	2,697.46	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,190.75	
			For Electric Heating Coil, Add	2,051.73	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	2,051.73	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,836.48	
			For Steam Heating Coil, Aluminum Fins, Add	1,621.24	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,348.73	
			For Chilled Water Cooling Coil, Copper Fins, Add	2,482.21	
			For Direct Expansion Cooling Coil, Copper Fins, Add	2,266.97	
			For Hot Water Heating Coil, Copper Fins, Add	1,621.24	
			For Variable Air Volume, Add	602.68	
			For Economizer, Panel, Controls And Damper(s), Add	1,441.75	
			For 2 Coils, Independent Circuits, Add	631.12	
23 73 13 00-0008	EA		1,600 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....5,967.01		861.95
			For Flat Filter Box And Throwaway Filters, Add	535.26	
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,033.66	
			For Combination Filter Mixing Box And Throwaway Filters, Add	1,544.35	
			For Manual Roll Filter, Add	2,728.91	
			For Automatic Roll Filter, Add	2,965.82	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,307.44	
			For Electric Heating Coil, Add	2,255.09	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	2,255.09	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,018.17	
			For Steam Heating Coil, Aluminum Fins, Add	1,781.26	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,482.91	
			For Chilled Water Cooling Coil, Copper Fins, Add	2,728.91	
			For Direct Expansion Cooling Coil, Copper Fins, Add	2,492.00	
			For Hot Water Heating Coil, Copper Fins, Add	1,781.26	
			For Variable Air Volume, Add	663.35	
			For Economizer, Panel, Controls And Damper(s), Add	1,500.14	
			For 2 Coils, Independent Circuits, Add	691.47	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0009 EA 1,800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....6,527.27		928.93
For Flat Filter Box And Throwaway Filters, Add	586.39	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,132.98	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,692.83	
For Manual Roll Filter, Add	2,992.96	
For Automatic Roll Filter, Add	3,252.98	
For Hot Water Heating Coil, Aluminum Fins, Add	1,432.80	
For Electric Heating Coil, Add	2,472.91	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,472.91	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,212.88	
For Steam Heating Coil, Aluminum Fins, Add	1,952.85	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,626.49	
For Chilled Water Cooling Coil, Copper Fins, Add	2,992.96	
For Direct Expansion Cooling Coil, Copper Fins, Add	2,732.93	
For Hot Water Heating Coil, Copper Fins, Add	1,952.85	
For Variable Air Volume, Add	728.07	
For Economizer, Panel, Controls And Damper(s), Add	1,479.72	
For 2 Coils, Independent Circuits, Add	756.74	
23 73 13 00-0010 EA 2,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....7,143.37		995.91
For Flat Filter Box And Throwaway Filters, Add	643.20	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,243.71	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,858.45	
For Manual Roll Filter, Add	3,288.59	
For Automatic Roll Filter, Add	3,574.62	
For Hot Water Heating Coil, Aluminum Fins, Add	1,572.42	
For Electric Heating Coil, Add	2,716.53	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,716.53	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,430.51	
For Steam Heating Coil, Aluminum Fins, Add	2,144.48	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,787.31	
For Chilled Water Cooling Coil, Copper Fins, Add	3,288.59	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,002.56	
For Hot Water Heating Coil, Copper Fins, Add	2,144.48	
For Variable Air Volume, Add	800.88	
For Economizer, Panel, Controls And Damper(s), Add	1,532.55	
For 2 Coils, Independent Circuits, Add	828.75	
23 73 13 00-0011 EA 2,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....7,712.09		1,070.50
For Flat Filter Box And Throwaway Filters, Add	694.75	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,343.61	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,007.78	
For Manual Roll Filter, Add	3,553.48	
For Automatic Roll Filter, Add	3,862.62	
For Hot Water Heating Coil, Aluminum Fins, Add	1,698.63	
For Electric Heating Coil, Add	2,935.20	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,935.20	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,626.06	
For Steam Heating Coil, Aluminum Fins, Add	2,316.92	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,931.31	
For Chilled Water Cooling Coil, Copper Fins, Add	3,553.48	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,244.34	
For Hot Water Heating Coil, Copper Fins, Add	2,316.92	
For Variable Air Volume, Add	865.60	
For Economizer, Panel, Controls And Damper(s), Add	1,591.09	
For 2 Coils, Independent Circuits, Add	894.87	
23 73 13 00-0012 EA 2,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....8,319.32		1,151.87
For Flat Filter Box And Throwaway Filters, Add	749.67	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,449.97	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,166.73	
For Manual Roll Filter, Add	3,835.23	
For Automatic Roll Filter, Add	4,168.93	
For Hot Water Heating Coil, Aluminum Fins, Add	1,833.03	
For Electric Heating Coil, Add	3,167.83	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,167.83	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,834.13	
For Steam Heating Coil, Aluminum Fins, Add	2,500.43	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,084.46	
For Chilled Water Cooling Coil, Copper Fins, Add	3,835.23	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,501.53	
For Hot Water Heating Coil, Copper Fins, Add	2,500.43	
For Variable Air Volume, Add	934.36	
For Economizer, Panel, Controls And Damper(s), Add	1,654.93	
For 2 Coils, Independent Circuits, Add	965.41	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
Central HVAC Equipment			23 70
Indoor Central-Station Air-Handling Units			23 73

23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0013	EA		3,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 9,676.53		1,333.31
			For Flat Filter Box And Throwaway Filters, Add	872.42	
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,687.70	
			For Combination Filter Mixing Box And Throwaway Filters, Add	2,522.03	
			For Manual Roll Filter, Add	4,464.99	
			For Automatic Roll Filter, Add	4,853.59	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,133.43	
			For Electric Heating Coil, Add	3,687.81	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	3,687.81	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,299.21	
			For Steam Heating Coil, Aluminum Fins, Add	2,910.62	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,426.79	
			For Chilled Water Cooling Coil, Copper Fins, Add	4,464.99	
			For Direct Expansion Cooling Coil, Copper Fins, Add	4,076.40	
			For Hot Water Heating Coil, Copper Fins, Add	2,910.62	
			For Variable Air Volume, Add	1,088.06	
			For Economizer, Panel, Controls And Damper(s), Add	1,797.56	
			For 2 Coils, Independent Circuits, Add	1,123.09	
23 73 13 00-0014	EA		3,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 10,137.16		1,432.83
			For Flat Filter Box And Throwaway Filters, Add	911.34	
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,761.26	
			For Combination Filter Mixing Box And Throwaway Filters, Add	2,631.65	
			For Manual Roll Filter, Add	4,654.07	
			For Automatic Roll Filter, Add	5,058.56	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,227.17	
			For Electric Heating Coil, Add	3,845.10	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	3,845.10	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,440.62	
			For Steam Heating Coil, Aluminum Fins, Add	3,036.14	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,529.28	
			For Chilled Water Cooling Coil, Copper Fins, Add	4,654.07	
			For Direct Expansion Cooling Coil, Copper Fins, Add	4,249.59	
			For Hot Water Heating Coil, Copper Fins, Add	3,036.14	
			For Variable Air Volume, Add	1,132.56	
			For Economizer, Panel, Controls And Damper(s), Add	1,876.11	
			For 2 Coils, Independent Circuits, Add	1,175.51	
23 73 13 00-0015	EA		3,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 10,607.34		1,539.87
			For Flat Filter Box And Throwaway Filters, Add	950.74	
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,835.49	
			For Combination Filter Mixing Box And Throwaway Filters, Add	2,742.23	
			For Manual Roll Filter, Add	4,844.10	
			For Automatic Roll Filter, Add	5,264.48	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,321.86	
			For Electric Heating Coil, Add	4,003.36	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	4,003.36	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,582.98	
			For Steam Heating Coil, Aluminum Fins, Add	3,162.61	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,632.24	
			For Chilled Water Cooling Coil, Copper Fins, Add	4,844.10	
			For Direct Expansion Cooling Coil, Copper Fins, Add	4,423.73	
			For Hot Water Heating Coil, Copper Fins, Add	3,162.61	
			For Variable Air Volume, Add	1,177.05	
			For Economizer, Panel, Controls And Damper(s), Add	1,959.92	
			For 2 Coils, Independent Circuits, Add	1,228.88	
23 73 13 00-0016	EA		4,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 11,641.34		1,777.75
			For Flat Filter Box And Throwaway Filters, Add	1,037.11	
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,998.01	
			For Combination Filter Mixing Box And Throwaway Filters, Add	2,984.31	
			For Manual Roll Filter, Add	5,259.53	
			For Automatic Roll Filter, Add	5,714.58	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,529.27	
			For Electric Heating Coil, Add	4,349.45	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	4,349.45	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,894.40	
			For Steam Heating Coil, Aluminum Fins, Add	3,439.36	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,857.29	
			For Chilled Water Cooling Coil, Copper Fins, Add	5,259.53	
			For Direct Expansion Cooling Coil, Copper Fins, Add	4,804.49	
			For Hot Water Heating Coil, Copper Fins, Add	3,439.36	
			For Variable Air Volume, Add	1,274.12	
			For Economizer, Panel, Controls And Damper(s), Add	1,956.18	
			For 2 Coils, Independent Circuits, Add	1,346.15	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0017	EA	4,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	11,641.34 1,037.11 1,998.01 2,984.31 5,259.53 5,714.58 2,529.27 4,349.45 4,349.45 3,894.40 3,439.36 2,857.29 5,259.53 4,804.49 3,439.36 1,274.12 1,956.18 1,346.15	1,777.75
23 73 13 00-0018	EA	5,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	12,769.66 1,131.09 2,174.65 3,247.38 5,710.40 6,203.01 2,754.78 4,725.19 4,725.19 4,232.59 3,739.99 3,101.50 5,710.40 5,217.80 3,739.99 1,379.29 2,107.03 1,474.01	2,041.90
23 73 13 00-0019	EA	5,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	13,422.00 1,183.93 2,272.89 3,393.51 5,957.65 6,470.48 2,880.68 4,932.00 4,932.00 4,419.17 3,906.34 3,235.24 5,957.65 5,444.82 3,906.34 1,435.92 2,206.18 1,547.33	2,215.29
23 73 13 00-0020	EA	6,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	14,061.19 1,236.11 2,370.22 3,538.33 6,203.59 6,736.64 3,005.28 5,137.49 5,137.49 4,604.43 4,071.38 3,368.32 6,203.59 5,670.54 4,071.38 1,492.55 2,300.06 1,619.34	2,379.92



Heating, Ventilating, and Air-Conditioning (HVAC)		23	23
Central HVAC Equipment		23 70	
Indoor Central-Station Air-Handling Units		23 73	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0021	EA	6,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	14,704.33 1,288.49 2,467.82 3,683.54 6,449.92 7,003.20 3,130.26 5,343.37 5,343.37 4,790.09 4,236.82 3,501.60 6,449.92 5,896.65 4,236.82 1,549.17 2,395.52 1,691.74	2,547.68
23 73 13 00-0022	EA	7,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	15,445.60 1,348.67 2,579.81 3,850.12 6,732.07 7,308.46 3,273.73 5,579.29 5,579.29 5,002.90 4,426.51 3,654.23 6,732.07 6,155.68 4,426.51 1,613.89 2,507.12 1,775.12	2,742.35
23 73 13 00-0023	EA	7,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	16,198.24 1,409.42 2,692.59 4,017.84 7,015.36 7,614.86 3,418.33 5,816.35 5,816.35 5,216.85 4,617.34 3,807.43 7,015.36 6,415.85 4,617.34 1,678.61 2,442.45 1,859.63	2,938.28
23 73 13 00-0024	EA	8,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	16,974.39 1,471.34 2,807.01 4,187.91 7,300.99 7,923.60 3,565.29 6,055.75 6,055.75 5,433.14 4,810.52 3,961.80 7,300.99 6,678.37 4,810.52 1,743.33 2,536.62 1,946.49	3,164.17

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0025	EA	9,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	17,858.92 1,541.57 2,936.53 4,380.37 7,623.46 8,272.08 3,731.75 6,326.23 6,326.23 5,677.61 5,028.99 4,136.04 7,623.46 6,974.84 5,028.99 1,816.13 2,645.96 2,045.34	3,427.79
23 73 13 00-0026	EA	10,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	18,721.89 1,610.72 3,064.55 4,570.68 7,943.78 8,618.40 3,896.05 6,594.54 6,594.54 5,919.92 5,245.30 4,309.20 7,943.78 7,269.16 5,245.30 1,888.94 2,748.84 2,142.04	3,659.75
23 73 13 00-0027	EA	11,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	18,797.52 1,627.50 3,103.65 4,630.24 8,068.36 8,755.98 3,942.62 6,693.11 6,693.11 6,005.49 5,317.87 4,377.99 8,068.36 7,380.74 5,317.87 1,925.34 2,693.52 2,154.80	3,543.60
23 73 13 00-0028	EA	12,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	19,627.79 1,682.01 3,195.57 4,765.28 8,268.40 8,969.02 4,064.65 6,867.15 6,867.15 6,166.53 5,465.90 4,484.51 8,268.40 7,567.78 5,465.90 1,961.75 2,864.59 2,243.03	3,931.51



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
Central HVAC Equipment			23 70	
Indoor Central-Station Air-Handling Units			23 73	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0029	EA	13,700 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....20,666.53	4,089.44	
		For Flat Filter Box And Throwaway Filters, Add	1,775.84	
		For Medium Capacity Filter Box And Throwaway Filters, Add	3,377.20	
		For Combination Filter Mixing Box And Throwaway Filters, Add	5,036.72	
		For Manual Roll Filter, Add	8,749.31	
		For Automatic Roll Filter, Add	9,491.83	
		For Hot Water Heating Coil, Aluminum Fins, Add	4,294.21	
		For Electric Heating Coil, Add	7,264.28	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	7,264.28	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,521.76	
		For Steam Heating Coil, Aluminum Fins, Add	5,779.24	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,745.91	
		For Chilled Water Cooling Coil, Copper Fins, Add	8,749.31	
		For Direct Expansion Cooling Coil, Copper Fins, Add	8,006.79	
		For Hot Water Heating Coil, Copper Fins, Add	5,779.24	
		For Variable Air Volume, Add	2,079.05	
		For Economizer, Panel, Controls And Damper(s), Add	2,563.24	
		For 2 Coils, Independent Circuits, Add	2,363.66	
23 73 13 00-0030	EA	15,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....21,761.13	4,247.80	
		For Flat Filter Box And Throwaway Filters, Add	1,872.47	
		For Medium Capacity Filter Box And Throwaway Filters, Add	3,562.75	
		For Combination Filter Mixing Box And Throwaway Filters, Add	5,313.76	
		For Manual Roll Filter, Add	9,235.81	
		For Automatic Roll Filter, Add	10,020.22	
		For Hot Water Heating Coil, Aluminum Fins, Add	4,529.34	
		For Electric Heating Coil, Add	7,666.99	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	7,666.99	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,882.58	
		For Steam Heating Coil, Aluminum Fins, Add	6,098.17	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	5,010.11	
		For Chilled Water Cooling Coil, Copper Fins, Add	9,235.81	
		For Direct Expansion Cooling Coil, Copper Fins, Add	8,451.40	
		For Hot Water Heating Coil, Copper Fins, Add	6,098.17	
		For Variable Air Volume, Add	2,196.35	
		For Economizer, Panel, Controls And Damper(s), Add	2,614.58	
		For 2 Coils, Independent Circuits, Add	2,489.88	
23 73 13 00-0031	EA	16,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....22,919.42	4,411.19	
		For Flat Filter Box And Throwaway Filters, Add	1,978.05	
		For Medium Capacity Filter Box And Throwaway Filters, Add	3,767.77	
		For Combination Filter Mixing Box And Throwaway Filters, Add	5,620.27	
		For Manual Roll Filter, Add	9,780.68	
		For Automatic Roll Filter, Add	10,612.76	
		For Hot Water Heating Coil, Aluminum Fins, Add	4,788.19	
		For Electric Heating Coil, Add	8,116.51	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	8,116.51	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,284.43	
		For Steam Heating Coil, Aluminum Fins, Add	6,452.35	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	5,306.38	
		For Chilled Water Cooling Coil, Copper Fins, Add	9,780.68	
		For Direct Expansion Cooling Coil, Copper Fins, Add	8,948.59	
		For Hot Water Heating Coil, Copper Fins, Add	6,452.35	
		For Variable Air Volume, Add	2,329.83	
		For Economizer, Panel, Controls And Damper(s), Add	2,655.56	
		For 2 Coils, Independent Circuits, Add	2,624.77	
23 73 13 00-0032	EA	17,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....24,127.63	4,574.74	
		For Flat Filter Box And Throwaway Filters, Add	2,086.13	
		For Medium Capacity Filter Box And Throwaway Filters, Add	3,976.29	
		For Combination Filter Mixing Box And Throwaway Filters, Add	5,931.78	
		For Manual Roll Filter, Add	10,330.54	
		For Automatic Roll Filter, Add	11,210.29	
		For Hot Water Heating Coil, Aluminum Fins, Add	5,052.02	
		For Electric Heating Coil, Add	8,571.03	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	8,571.03	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,691.28	
		For Steam Heating Coil, Aluminum Fins, Add	6,811.53	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	5,605.15	
		For Chilled Water Cooling Coil, Copper Fins, Add	10,330.54	
		For Direct Expansion Cooling Coil, Copper Fins, Add	9,450.79	
		For Hot Water Heating Coil, Copper Fins, Add	6,811.53	
		For Variable Air Volume, Add	2,463.31	
		For Economizer, Panel, Controls And Damper(s), Add	2,706.51	
		For 2 Coils, Independent Circuits, Add	2,764.66	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0033	EA	20,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	26,888.08 2,338.28 4,466.24 7,658.19 11,037.36 11,633.69 4,676.56 5,074.11 8,652.06 7,658.19 6,664.31 5,319.91 10,689.81 9,645.94 7,658.19 2,782.85 2,961.85 3,086.36	4,904.44
23 73 13 00-0034	EA	22,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	29,824.91 2,603.58 4,979.81 8,544.15 12,326.08 12,993.47 5,207.15 5,652.09 9,656.48 8,544.15 7,431.82 5,940.57 11,881.14 10,768.81 8,544.15 3,114.53 3,061.20 3,427.42	5,285.66
23 73 13 00-0035	EA	25,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	33,030.28 2,898.19 5,553.48 9,536.42 13,775.12 14,523.13 5,796.38 6,295.06 10,783.10 9,536.42 8,289.74 6,638.23 13,276.45 12,029.77 9,536.42 3,490.70 3,151.93 3,801.70	5,663.47
23 73 13 00-0036	EA	27,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	40,606.56 3,625.15 6,989.00 12,034.77 17,457.17 18,414.06 7,250.30 7,888.23 13,629.59 12,034.77 10,439.95 8,409.62 16,819.24 15,224.42 12,034.77 4,465.50 3,259.27 4,698.59	6,099.41



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
Central HVAC Equipment			23 70	
Indoor Central-Station Air-Handling Units			23 73	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0037	EA		30,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....45,350.32	6,510.23	
			For Flat Filter Box And Throwaway Filters, Add	4,070.36	
			For Medium Capacity Filter Box And Throwaway Filters, Add	7,861.92	
			For Combination Filter Mixing Box And Throwaway Filters, Add	13,549.25	
			For Manual Roll Filter, Add	19,678.92	
			For Automatic Roll Filter, Add	20,760.62	
			For Hot Water Heating Coil, Aluminum Fins, Add	8,140.72	
			For Electric Heating Coil, Add	8,861.86	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	15,352.09	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	13,549.25	
			For Steam Heating Coil, Aluminum Fins, Add	11,746.41	
			For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	9,478.89	
			For Chilled Water Cooling Coil, Copper Fins, Add	18,957.78	
			For Direct Expansion Cooling Coil, Copper Fins, Add	17,154.94	
			For Hot Water Heating Coil, Copper Fins, Add	13,549.25	
			For Variable Air Volume, Add	5,047.96	
			For Economizer, Panel, Controls And Damper(s), Add	3,159.02	
			For 2 Coils, Independent Circuits, Add	5,256.17	
23 73 13 00-0038	EA		32,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....49,678.43	7,010.55	
			For Flat Filter Box And Throwaway Filters, Add	4,467.34	
			For Medium Capacity Filter Box And Throwaway Filters, Add	8,634.37	
			For Combination Filter Mixing Box And Throwaway Filters, Add	14,884.93	
			For Manual Roll Filter, Add	21,628.55	
			For Automatic Roll Filter, Add	22,818.60	
			For Hot Water Heating Coil, Aluminum Fins, Add	8,934.68	
			For Electric Heating Coil, Add	9,728.04	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	16,868.35	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	14,884.93	
			For Steam Heating Coil, Aluminum Fins, Add	12,901.51	
			For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	10,417.59	
			For Chilled Water Cooling Coil, Copper Fins, Add	20,835.18	
			For Direct Expansion Cooling Coil, Copper Fins, Add	18,851.76	
			For Hot Water Heating Coil, Copper Fins, Add	14,884.93	
			For Variable Air Volume, Add	5,553.57	
			For Economizer, Panel, Controls And Damper(s), Add	3,266.51	
			For 2 Coils, Independent Circuits, Add	5,761.21	
23 73 13 00-0039	EA		35,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....54,502.39	8,522.80	
			For Flat Filter Box And Throwaway Filters, Add	4,906.44	
			For Medium Capacity Filter Box And Throwaway Filters, Add	9,486.61	
			For Combination Filter Mixing Box And Throwaway Filters, Add	16,356.86	
			For Manual Roll Filter, Add	23,773.37	
			For Automatic Roll Filter, Add	25,082.16	
			For Hot Water Heating Coil, Aluminum Fins, Add	9,812.89	
			For Electric Heating Coil, Add	10,685.42	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	18,538.19	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	16,356.86	
			For Steam Heating Coil, Aluminum Fins, Add	14,175.54	
			For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	11,450.42	
			For Chilled Water Cooling Coil, Copper Fins, Add	22,900.84	
			For Direct Expansion Cooling Coil, Copper Fins, Add	20,719.51	
			For Hot Water Heating Coil, Copper Fins, Add	16,356.86	
			For Variable Air Volume, Add	6,107.71	
			For Economizer, Panel, Controls And Damper(s), Add	3,396.38	
			For 2 Coils, Independent Circuits, Add	6,322.77	
23 73 13 00-0040	EA		37,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....58,652.69	8,075.05	
			For Flat Filter Box And Throwaway Filters, Add	5,288.75	
			For Medium Capacity Filter Box And Throwaway Filters, Add	10,231.60	
			For Combination Filter Mixing Box And Throwaway Filters, Add	17,645.87	
			For Manual Roll Filter, Add	25,656.68	
			For Automatic Roll Filter, Add	27,070.35	
			For Hot Water Heating Coil, Aluminum Fins, Add	10,577.51	
			For Electric Heating Coil, Add	11,519.96	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	20,001.99	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	17,645.87	
			For Steam Heating Coil, Aluminum Fins, Add	15,289.75	
			For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	12,357.11	
			For Chilled Water Cooling Coil, Copper Fins, Add	24,714.23	
			For Direct Expansion Cooling Coil, Copper Fins, Add	22,358.11	
			For Hot Water Heating Coil, Copper Fins, Add	17,645.87	
			For Variable Air Volume, Add	6,597.14	
			For Economizer, Panel, Controls And Damper(s), Add	3,494.54	
			For 2 Coils, Independent Circuits, Add	6,807.72	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0041	EA	40,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	63,260.11 5,706.92 11,042.39 19,045.59 27,694.91 29,221.26 11,413.84 12,431.41 21,589.51 19,045.59 16,501.68 13,338.67 26,677.34 24,133.42 19,045.59 7,122.96 3,377.72 7,343.58	8,638.32
23 73 13 00-0042	EA	45,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	68,276.81 6,161.44 11,923.14 20,565.70 29,907.55 31,556.11 12,322.89 13,421.93 23,313.30 20,565.70 17,818.09 14,404.25 28,808.51 26,060.90 20,565.70 7,693.29 3,495.59 7,926.72	9,326.98
23 73 13 00-0043	EA	47,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	71,129.68 6,416.76 12,415.81 21,414.37 31,139.32 32,855.49 12,833.53 13,977.64 24,274.65 21,414.37 18,554.09 14,997.61 29,995.21 27,134.93 21,414.37 8,008.79 3,570.51 8,257.08	9,765.07
23 73 13 00-0044	EA	50,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	73,818.70 6,658.12 12,881.98 22,217.77 32,306.18 34,086.49 13,316.23 14,503.10 25,184.95 22,217.77 19,250.59 15,559.66 31,119.31 28,152.13 22,217.77 8,308.10 3,639.39 8,568.74	10,140.64



Heating, Ventilating, and Air-Conditioning (HVAC)			23
Central HVAC Equipment			23 70
Indoor Central-Station Air-Handling Units			23 73

23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0045	EA		55,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....79,587.92	10,829.21	
			For Flat Filter Box And Throwaway Filters, Add	7,184.93	
			For Medium Capacity Filter Box And Throwaway Filters, Add	13,905.55	
			For Combination Filter Mixing Box And Throwaway Filters, Add	23,986.47	
			For Manual Roll Filter, Add	34,885.30	
			For Automatic Roll Filter, Add	36,808.62	
			For Hot Water Heating Coil, Aluminum Fins, Add	14,369.87	
			For Electric Heating Coil, Add	15,652.08	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	27,192.01	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	23,986.47	
			For Steam Heating Coil, Aluminum Fins, Add	20,780.94	
			For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	16,801.54	
			For Chilled Water Cooling Coil, Copper Fins, Add	33,603.08	
			For Direct Expansion Cooling Coil, Copper Fins, Add	30,397.55	
			For Hot Water Heating Coil, Copper Fins, Add	23,986.47	
			For Variable Air Volume, Add	8,975.50	
			For Economizer, Panel, Controls And Damper(s), Add	3,764.65	
			For 2 Coils, Independent Circuits, Add	9,241.01	
23 73 13 00-0046	EA		60,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....87,055.73	11,580.37	
			For Flat Filter Box And Throwaway Filters, Add	7,877.58	
			For Medium Capacity Filter Box And Throwaway Filters, Add	15,258.36	
			For Combination Filter Mixing Box And Throwaway Filters, Add	26,329.52	
			For Manual Roll Filter, Add	38,313.81	
			For Automatic Roll Filter, Add	40,428.68	
			For Hot Water Heating Coil, Aluminum Fins, Add	15,755.15	
			For Electric Heating Coil, Add	17,165.07	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	29,854.31	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	26,329.52	
			For Steam Heating Coil, Aluminum Fins, Add	22,804.73	
			For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	18,451.95	
			For Chilled Water Cooling Coil, Copper Fins, Add	36,903.89	
			For Direct Expansion Cooling Coil, Copper Fins, Add	33,379.10	
			For Hot Water Heating Coil, Copper Fins, Add	26,329.52	
			For Variable Air Volume, Add	9,869.41	
			For Economizer, Panel, Controls And Damper(s), Add	3,555.99	
			For 2 Coils, Independent Circuits, Add	10,115.49	
23 73 13 00-0047	EA		65,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....95,430.12	12,519.32	
			For Flat Filter Box And Throwaway Filters, Add	8,648.78	
			For Medium Capacity Filter Box And Throwaway Filters, Add	16,761.01	
			For Combination Filter Mixing Box And Throwaway Filters, Add	28,929.36	
			For Manual Roll Filter, Add	42,112.07	
			For Automatic Roll Filter, Add	44,438.43	
			For Hot Water Heating Coil, Aluminum Fins, Add	17,297.55	
			For Electric Heating Coil, Add	18,848.46	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	32,806.63	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	28,929.36	
			For Steam Heating Coil, Aluminum Fins, Add	25,052.09	
			For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	20,280.58	
			For Chilled Water Cooling Coil, Copper Fins, Add	40,561.16	
			For Direct Expansion Cooling Coil, Copper Fins, Add	36,683.90	
			For Hot Water Heating Coil, Copper Fins, Add	28,929.36	
			For Variable Air Volume, Add	10,856.35	
			For Economizer, Panel, Controls And Damper(s), Add	3,688.47	
			For 2 Coils, Independent Circuits, Add	11,093.92	
23 73 13 00-0048	EA		70,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....104,757.16	13,583.47	
			For Flat Filter Box And Throwaway Filters, Add	9,503.72	
			For Medium Capacity Filter Box And Throwaway Filters, Add	18,424.25	
			For Combination Filter Mixing Box And Throwaway Filters, Add	31,805.03	
			For Manual Roll Filter, Add	46,308.97	
			For Automatic Roll Filter, Add	48,868.48	
			For Hot Water Heating Coil, Aluminum Fins, Add	19,007.44	
			For Electric Heating Coil, Add	20,713.79	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	36,070.89	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	31,805.03	
			For Steam Heating Coil, Aluminum Fins, Add	27,539.17	
			For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	22,301.31	
			For Chilled Water Cooling Coil, Copper Fins, Add	44,602.62	
			For Direct Expansion Cooling Coil, Copper Fins, Add	40,336.76	
			For Hot Water Heating Coil, Copper Fins, Add	31,805.03	
			For Variable Air Volume, Add	11,944.42	
			For Economizer, Panel, Controls And Damper(s), Add	3,843.99	
			For 2 Coils, Independent Circuits, Add	12,182.06	

23 73 13 00-0049 **Multi-Zone Units** (23 73 13)
Note: Horizontal/vertical blow-thru fan, motor and cabinet.

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0050 EA 1,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	6,231.75	1,126.56
For Economizer, Panel, Controls And Damper(s), Add	1,766.35	
For Flat Filter Box And Throwaway Filters, Add	542.72	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,037.17	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,316.58	
For Manual Roll Filter, Add	2,703.38	
For Automatic Roll Filter, Add	2,703.38	
For Hot Water Heating Coil, Aluminum Fins, Add	623.18	
For Electric Heating Coil, Add	715.63	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,241.11	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,241.11	
For Chilled Water Cooling Coil, Copper Fins, Add	2,703.38	
For Direct Expansion Cooling Coil, Copper Fins, Add	2,703.38	
For 2 Coils, Independent Circuits, Add	715.63	
23 73 13 00-0051 EA 1,200 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	7,765.77	1,411.38
For Economizer, Panel, Controls And Damper(s), Add	2,051.42	
For Flat Filter Box And Throwaway Filters, Add	675.76	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,291.03	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,638.99	
For Manual Roll Filter, Add	3,363.83	
For Automatic Roll Filter, Add	3,363.83	
For Hot Water Heating Coil, Aluminum Fins, Add	776.58	
For Electric Heating Coil, Add	891.57	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,788.88	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,788.88	
For Chilled Water Cooling Coil, Copper Fins, Add	3,363.83	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,363.83	
For 2 Coils, Independent Circuits, Add	891.57	
23 73 13 00-0052 EA 1,600 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	9,599.80	1,502.14
For Economizer, Panel, Controls And Damper(s), Add	2,142.02	
For Flat Filter Box And Throwaway Filters, Add	852.69	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,641.01	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,078.09	
For Manual Roll Filter, Add	4,314.31	
For Automatic Roll Filter, Add	4,314.31	
For Hot Water Heating Coil, Aluminum Fins, Add	959.98	
For Electric Heating Coil, Add	1,109.06	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,568.90	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,568.90	
For Chilled Water Cooling Coil, Copper Fins, Add	4,314.31	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,314.31	
For 2 Coils, Independent Circuits, Add	1,109.06	
23 73 13 00-0053 EA 2,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	9,982.53	1,608.55
For Economizer, Panel, Controls And Damper(s), Add	2,248.13	
For Flat Filter Box And Throwaway Filters, Add	883.39	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,697.85	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,151.03	
For Manual Roll Filter, Add	4,456.59	
For Automatic Roll Filter, Add	4,456.59	
For Hot Water Heating Coil, Aluminum Fins, Add	998.25	
For Electric Heating Coil, Add	1,151.96	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,688.07	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,688.07	
For Chilled Water Cooling Coil, Copper Fins, Add	4,456.59	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,456.59	
For 2 Coils, Independent Circuits, Add	1,151.96	
23 73 13 00-0054 EA 2,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	11,679.92	1,724.36
For Economizer, Panel, Controls And Damper(s), Add	2,364.42	
For Flat Filter Box And Throwaway Filters, Add	1,044.82	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,015.73	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,550.46	
For Manual Roll Filter, Add	5,315.40	
For Automatic Roll Filter, Add	5,315.40	
For Hot Water Heating Coil, Aluminum Fins, Add	1,167.99	
For Electric Heating Coil, Add	1,352.32	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,393.75	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,393.75	
For Chilled Water Cooling Coil, Copper Fins, Add	5,315.40	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,315.40	
For 2 Coils, Independent Circuits, Add	1,352.32	
23 73 13 00-0055 EA 3,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	12,316.60	1,846.60
For Economizer, Panel, Controls And Damper(s), Add	2,486.51	
For Flat Filter Box And Throwaway Filters, Add	1,099.77	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,120.40	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,683.47	
For Manual Roll Filter, Add	5,587.09	
For Automatic Roll Filter, Add	5,587.09	
For Hot Water Heating Coil, Aluminum Fins, Add	1,231.66	
For Electric Heating Coil, Add	1,425.23	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,619.22	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,619.22	
For Chilled Water Cooling Coil, Copper Fins, Add	5,587.09	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,587.09	
For 2 Coils, Independent Circuits, Add	1,425.23	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
Central HVAC Equipment			23 70
Indoor Central-Station Air-Handling Units			23 73

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0056	EA		3,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	12,986.39	1,971.71
			For Economizer, Panel, Controls And Damper(s), Add	2,611.55	
			For Flat Filter Box And Throwaway Filters, Add	1,157.81	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,231.13	
			For Combination Filter Mixing Box And Throwaway Filters, Add	2,824.12	
			For Manual Roll Filter, Add	5,875.09	
			For Automatic Roll Filter, Add	5,875.09	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,298.64	
			For Electric Heating Coil, Add	1,502.04	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	4,658.10	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,658.10	
			For Chilled Water Cooling Coil, Copper Fins, Add	5,875.09	
			For Direct Expansion Cooling Coil, Copper Fins, Add	5,875.09	
			For 2 Coils, Independent Circuits, Add	1,502.04	
23 73 13 00-0057	EA		4,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	14,485.99	2,115.77
			For Economizer, Panel, Controls And Damper(s), Add	2,408.79	
			For Flat Filter Box And Throwaway Filters, Add	1,297.80	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,505.12	
			For Combination Filter Mixing Box And Throwaway Filters, Add	3,169.10	
			For Manual Roll Filter, Add	6,610.10	
			For Automatic Roll Filter, Add	6,610.10	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,448.60	
			For Electric Heating Coil, Add	1,678.00	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	5,463.10	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,463.10	
			For Chilled Water Cooling Coil, Copper Fins, Add	6,610.10	
			For Direct Expansion Cooling Coil, Copper Fins, Add	6,610.10	
			For 2 Coils, Independent Circuits, Add	1,678.00	
23 73 13 00-0058	EA		4,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	15,833.84	2,265.82
			For Economizer, Panel, Controls And Damper(s), Add	2,530.38	
			For Flat Filter Box And Throwaway Filters, Add	1,421.53	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,745.95	
			For Combination Filter Mixing Box And Throwaway Filters, Add	3,472.90	
			For Manual Roll Filter, Add	7,251.94	
			For Automatic Roll Filter, Add	7,251.94	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,583.38	
			For Electric Heating Coil, Add	1,835.32	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	5,992.26	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,992.26	
			For Chilled Water Cooling Coil, Copper Fins, Add	7,251.94	
			For Direct Expansion Cooling Coil, Copper Fins, Add	7,251.94	
			For 2 Coils, Independent Circuits, Add	1,835.32	
23 73 13 00-0059	EA		5,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	16,739.51	2,419.98
			For Economizer, Panel, Controls And Damper(s), Add	2,647.13	
			For Flat Filter Box And Throwaway Filters, Add	1,501.49	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,899.49	
			For Combination Filter Mixing Box And Throwaway Filters, Add	3,667.48	
			For Manual Roll Filter, Add	7,654.54	
			For Automatic Roll Filter, Add	7,654.54	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,673.95	
			For Electric Heating Coil, Add	1,939.75	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	6,325.52	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,325.52	
			For Chilled Water Cooling Coil, Copper Fins, Add	7,654.54	
			For Direct Expansion Cooling Coil, Copper Fins, Add	7,654.54	
			For 2 Coils, Independent Circuits, Add	1,939.75	
23 73 13 00-0060	EA		5,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	18,458.86	2,585.42
			For Economizer, Panel, Controls And Damper(s), Add	2,782.35	
			For Flat Filter Box And Throwaway Filters, Add	1,661.13	
			For Medium Capacity Filter Box And Throwaway Filters, Add	3,211.40	
			For Combination Filter Mixing Box And Throwaway Filters, Add	4,060.44	
			For Manual Roll Filter, Add	8,489.54	
			For Automatic Roll Filter, Add	8,489.54	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,845.89	
			For Electric Heating Coil, Add	2,141.16	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	7,013.17	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,013.17	
			For Chilled Water Cooling Coil, Copper Fins, Add	8,489.54	
			For Direct Expansion Cooling Coil, Copper Fins, Add	8,489.54	
			For 2 Coils, Independent Circuits, Add	2,141.16	
23 73 13 00-0061	EA		6,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	19,640.64	2,766.95
			For Economizer, Panel, Controls And Damper(s), Add	2,923.84	
			For Flat Filter Box And Throwaway Filters, Add	1,766.44	
			For Medium Capacity Filter Box And Throwaway Filters, Add	3,414.31	
			For Combination Filter Mixing Box And Throwaway Filters, Add	4,317.30	
			For Manual Roll Filter, Add	9,023.76	
			For Automatic Roll Filter, Add	9,023.76	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,964.06	
			For Electric Heating Coil, Add	2,277.83	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	7,454.94	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,454.94	
			For Chilled Water Cooling Coil, Copper Fins, Add	9,023.76	
			For Direct Expansion Cooling Coil, Copper Fins, Add	9,023.76	
			For 2 Coils, Independent Circuits, Add	2,277.83	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0062 EA 6,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	21,537.27	3,004.64
For Economizer, Panel, Controls And Damper(s), Add	3,108.90	
For Flat Filter Box And Throwaway Filters, Add	1,939.28	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,749.90	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,740.98	
For Manual Roll Filter, Add	9,915.49	
For Automatic Roll Filter, Add	9,915.49	
For Hot Water Heating Coil, Aluminum Fins, Add	2,153.73	
For Electric Heating Coil, Add	2,498.69	
For Chilled Water Cooling Coil, Aluminum Fins, Add	8,190.65	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,190.65	
For Chilled Water Cooling Coil, Copper Fins, Add	9,915.49	
For Direct Expansion Cooling Coil, Copper Fins, Add	9,915.49	
For 2 Coils, Independent Circuits, Add	2,498.69	
23 73 13 00-0063 EA 7,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	23,140.97	3,236.34
For Economizer, Panel, Controls And Damper(s), Add	3,291.76	
For Flat Filter Box And Throwaway Filters, Add	2,083.03	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,027.41	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,092.04	
For Manual Roll Filter, Add	10,647.91	
For Automatic Roll Filter, Add	10,647.91	
For Hot Water Heating Coil, Aluminum Fins, Add	2,314.10	
For Electric Heating Coil, Add	2,684.49	
For Chilled Water Cooling Coil, Aluminum Fins, Add	8,795.95	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,795.95	
For Chilled Water Cooling Coil, Copper Fins, Add	10,647.91	
For Direct Expansion Cooling Coil, Copper Fins, Add	10,647.91	
For 2 Coils, Independent Circuits, Add	2,684.49	
23 73 13 00-0064 EA 7,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	24,288.44	3,499.15
For Economizer, Panel, Controls And Damper(s), Add	2,935.51	
For Flat Filter Box And Throwaway Filters, Add	2,179.41	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,209.15	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,323.79	
For Manual Roll Filter, Add	11,113.70	
For Automatic Roll Filter, Add	11,113.70	
For Hot Water Heating Coil, Aluminum Fins, Add	2,428.84	
For Electric Heating Coil, Add	2,814.84	
For Chilled Water Cooling Coil, Aluminum Fins, Add	9,183.73	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,183.73	
For Chilled Water Cooling Coil, Copper Fins, Add	11,113.70	
For Direct Expansion Cooling Coil, Copper Fins, Add	11,113.70	
For 2 Coils, Independent Circuits, Add	2,814.84	
23 73 13 00-0065 EA 8,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	26,948.32	3,774.39
For Economizer, Panel, Controls And Damper(s), Add	3,098.04	
For Flat Filter Box And Throwaway Filters, Add	2,425.08	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,688.30	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,927.82	
For Manual Roll Filter, Add	12,393.79	
For Automatic Roll Filter, Add	12,393.79	
For Hot Water Heating Coil, Aluminum Fins, Add	2,694.83	
For Electric Heating Coil, Add	3,125.90	
For Chilled Water Cooling Coil, Aluminum Fins, Add	10,238.46	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	10,238.46	
For Chilled Water Cooling Coil, Copper Fins, Add	12,393.79	
For Direct Expansion Cooling Coil, Copper Fins, Add	12,393.79	
For 2 Coils, Independent Circuits, Add	3,125.90	
23 73 13 00-0066 EA 8,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	28,380.62	4,068.60
For Economizer, Panel, Controls And Damper(s), Add	3,266.47	
For Flat Filter Box And Throwaway Filters, Add	2,547.25	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,920.02	
For Combination Filter Mixing Box And Throwaway Filters, Add	6,222.73	
For Manual Roll Filter, Add	12,992.06	
For Automatic Roll Filter, Add	12,992.06	
For Hot Water Heating Coil, Aluminum Fins, Add	2,838.06	
For Electric Heating Coil, Add	3,289.35	
For Chilled Water Cooling Coil, Aluminum Fins, Add	10,735.62	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	10,735.62	
For Chilled Water Cooling Coil, Copper Fins, Add	12,992.06	
For Direct Expansion Cooling Coil, Copper Fins, Add	12,992.06	
For 2 Coils, Independent Circuits, Add	3,289.35	
23 73 13 00-0067 EA 9,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	29,966.56	4,406.80
For Economizer, Panel, Controls And Damper(s), Add	3,450.14	
For Flat Filter Box And Throwaway Filters, Add	2,682.89	
For Medium Capacity Filter Box And Throwaway Filters, Add	5,177.52	
For Combination Filter Mixing Box And Throwaway Filters, Add	6,550.34	
For Manual Roll Filter, Add	13,657.70	
For Automatic Roll Filter, Add	13,657.70	
For Hot Water Heating Coil, Aluminum Fins, Add	2,996.66	
For Electric Heating Coil, Add	3,470.48	
For Chilled Water Cooling Coil, Aluminum Fins, Add	11,288.58	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	11,288.58	
For Chilled Water Cooling Coil, Copper Fins, Add	13,657.70	
For Direct Expansion Cooling Coil, Copper Fins, Add	13,657.70	
For 2 Coils, Independent Circuits, Add	3,470.48	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Central HVAC Equipment

23 70

Indoor Central-Station Air-Handling Units

23 73

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0068 EA 10,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	31,676.05	4,757.07
For Economizer, Panel, Controls And Damper(s), Add	3,220.08	
For Flat Filter Box And Throwaway Filters, Add	2,627.59	
For Medium Capacity Filter Box And Throwaway Filters, Add	5,451.17	
For Combination Filter Mixing Box And Throwaway Filters, Add	6,898.97	
For Manual Roll Filter, Add	14,361.70	
For Automatic Roll Filter, Add	14,361.70	
For Hot Water Heating Coil, Aluminum Fins, Add	3,167.61	
For Electric Heating Coil, Add	3,665.12	
For Chilled Water Cooling Coil, Aluminum Fins, Add	11,874.12	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	11,874.12	
For Chilled Water Cooling Coil, Copper Fins, Add	14,361.70	
For Direct Expansion Cooling Coil, Copper Fins, Add	14,361.70	
For 2 Coils, Independent Circuits, Add	3,665.12	
23 73 13 00-0069 EA 11,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	32,569.13	4,938.87
For Economizer, Panel, Controls And Damper(s), Add	3,301.65	
For Flat Filter Box And Throwaway Filters, Add	2,603.30	
For Medium Capacity Filter Box And Throwaway Filters, Add	5,594.44	
For Combination Filter Mixing Box And Throwaway Filters, Add	7,081.46	
For Manual Roll Filter, Add	14,730.54	
For Automatic Roll Filter, Add	14,730.54	
For Hot Water Heating Coil, Aluminum Fins, Add	3,256.91	
For Electric Heating Coil, Add	3,766.85	
For Chilled Water Cooling Coil, Aluminum Fins, Add	12,180.85	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	12,180.85	
For Chilled Water Cooling Coil, Copper Fins, Add	14,730.54	
For Direct Expansion Cooling Coil, Copper Fins, Add	14,730.54	
For 2 Coils, Independent Circuits, Add	3,766.85	
23 73 13 00-0070 EA 12,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	33,421.33	5,115.12
For Economizer, Panel, Controls And Damper(s), Add	3,370.96	
For Flat Filter Box And Throwaway Filters, Add	2,976.97	
For Medium Capacity Filter Box And Throwaway Filters, Add	5,734.85	
For Combination Filter Mixing Box And Throwaway Filters, Add	7,259.85	
For Manual Roll Filter, Add	15,095.29	
For Automatic Roll Filter, Add	15,095.29	
For Hot Water Heating Coil, Aluminum Fins, Add	3,342.13	
For Electric Heating Coil, Add	3,864.50	
For Chilled Water Cooling Coil, Aluminum Fins, Add	12,483.48	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	12,483.48	
For Chilled Water Cooling Coil, Copper Fins, Add	15,095.29	
For Direct Expansion Cooling Coil, Copper Fins, Add	15,095.29	
For 2 Coils, Independent Circuits, Add	3,864.50	
23 73 13 00-0071 EA 13,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	37,784.30	5,320.71
For Economizer, Panel, Controls And Damper(s), Add	2,924.27	
For Flat Filter Box And Throwaway Filters, Add	3,397.36	
For Medium Capacity Filter Box And Throwaway Filters, Add	6,566.09	
For Combination Filter Mixing Box And Throwaway Filters, Add	8,302.87	
For Manual Roll Filter, Add	17,351.76	
For Automatic Roll Filter, Add	17,351.76	
For Hot Water Heating Coil, Aluminum Fins, Add	3,778.43	
For Electric Heating Coil, Add	4,381.69	
For Chilled Water Cooling Coil, Aluminum Fins, Add	14,335.47	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	14,335.47	
For Chilled Water Cooling Coil, Copper Fins, Add	17,351.76	
For Direct Expansion Cooling Coil, Copper Fins, Add	17,351.76	
For 2 Coils, Independent Circuits, Add	4,381.69	
23 73 13 00-0072 EA 15,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	42,113.62	5,531.48
For Economizer, Panel, Controls And Damper(s), Add	3,118.52	
For Flat Filter Box And Throwaway Filters, Add	3,816.07	
For Medium Capacity Filter Box And Throwaway Filters, Add	7,394.97	
For Combination Filter Mixing Box And Throwaway Filters, Add	9,342.53	
For Manual Roll Filter, Add	19,604.87	
For Automatic Roll Filter, Add	19,604.87	
For Hot Water Heating Coil, Aluminum Fins, Add	4,211.36	
For Electric Heating Coil, Add	4,895.52	
For Chilled Water Cooling Coil, Aluminum Fins, Add	16,184.09	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	16,184.09	
For Chilled Water Cooling Coil, Copper Fins, Add	19,604.87	
For Direct Expansion Cooling Coil, Copper Fins, Add	19,604.87	
For 2 Coils, Independent Circuits, Add	4,895.52	
23 73 13 00-0073 EA 16,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	48,427.38	5,740.11
For Economizer, Panel, Controls And Damper(s), Add	3,169.24	
For Flat Filter Box And Throwaway Filters, Add	4,432.96	
For Medium Capacity Filter Box And Throwaway Filters, Add	8,620.04	
For Combination Filter Mixing Box And Throwaway Filters, Add	10,877.50	
For Manual Roll Filter, Add	22,947.01	
For Automatic Roll Filter, Add	22,947.01	
For Hot Water Heating Coil, Aluminum Fins, Add	4,842.74	
For Electric Heating Coil, Add	5,647.37	
For Chilled Water Cooling Coil, Aluminum Fins, Add	18,923.84	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	18,923.84	
For Chilled Water Cooling Coil, Copper Fins, Add	22,947.01	
For Direct Expansion Cooling Coil, Copper Fins, Add	22,947.01	
For 2 Coils, Independent Circuits, Add	5,647.37	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0074 EA 17,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	54,745.24	5,946.67
For Economizer, Panel, Controls And Damper(s), Add	3,220.68	
For Flat Filter Box And Throwaway Filters, Add	5,050.04	
For Medium Capacity Filter Box And Throwaway Filters, Add	9,845.40	
For Combination Filter Mixing Box And Throwaway Filters, Add	12,412.87	
For Manual Roll Filter, Add	26,289.57	
For Automatic Roll Filter, Add	26,289.57	
For Hot Water Heating Coil, Aluminum Fins, Add	5,474.52	
For Electric Heating Coil, Add	6,399.64	
For Chilled Water Cooling Coil, Aluminum Fins, Add	21,664.00	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	21,664.00	
For Chilled Water Cooling Coil, Copper Fins, Add	26,289.57	
For Direct Expansion Cooling Coil, Copper Fins, Add	26,289.57	
For 2 Coils, Independent Circuits, Add	6,399.64	
23 73 13 00-0075 EA 20,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	61,473.54	6,447.45
For Economizer, Panel, Controls And Damper(s), Add	3,346.47	
For Flat Filter Box And Throwaway Filters, Add	5,686.93	
For Medium Capacity Filter Box And Throwaway Filters, Add	8,484.36	
For Combination Filter Mixing Box And Throwaway Filters, Add	13,987.12	
For Manual Roll Filter, Add	21,826.89	
For Automatic Roll Filter, Add	27,053.41	
For Hot Water Heating Coil, Aluminum Fins, Add	6,147.35	
For Electric Heating Coil, Add	7,192.66	
For Chilled Water Cooling Coil, Aluminum Fins, Add	21,826.89	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	21,826.89	
For Steam Heating Coil, Aluminum Fins, Add	11,373.87	
For Chilled Water Cooling Coil, Copper Fins, Add	27,053.41	
For Direct Expansion Cooling Coil, Copper Fins, Add	27,053.41	
For 2 Coils, Independent Circuits, Add	7,192.66	
23 73 13 00-0076 EA 22,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	66,299.41	7,010.81
For Economizer, Panel, Controls And Damper(s), Add	3,259.08	
For Flat Filter Box And Throwaway Filters, Add	6,131.91	
For Medium Capacity Filter Box And Throwaway Filters, Add	9,148.07	
For Combination Filter Mixing Box And Throwaway Filters, Add	15,080.77	
For Manual Roll Filter, Add	23,531.60	
For Automatic Roll Filter, Add	29,165.49	
For Hot Water Heating Coil, Aluminum Fins, Add	6,629.94	
For Electric Heating Coil, Add	7,756.72	
For Chilled Water Cooling Coil, Aluminum Fins, Add	23,531.60	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	23,531.60	
For Steam Heating Coil, Aluminum Fins, Add	12,263.83	
For Chilled Water Cooling Coil, Copper Fins, Add	29,165.49	
For Direct Expansion Cooling Coil, Copper Fins, Add	29,165.49	
For 2 Coils, Independent Circuits, Add	7,756.72	
23 73 13 00-0077 EA 25,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	79,117.43	7,573.92
For Economizer, Panel, Controls And Damper(s), Add	3,387.61	
For Flat Filter Box And Throwaway Filters, Add	7,370.87	
For Medium Capacity Filter Box And Throwaway Filters, Add	11,002.22	
For Combination Filter Mixing Box And Throwaway Filters, Add	18,156.75	
For Manual Roll Filter, Add	28,401.75	
For Automatic Roll Filter, Add	35,231.76	
For Hot Water Heating Coil, Aluminum Fins, Add	7,911.74	
For Electric Heating Coil, Add	9,277.74	
For Chilled Water Cooling Coil, Aluminum Fins, Add	28,401.75	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	28,401.75	
For Steam Heating Coil, Aluminum Fins, Add	14,741.75	
For Chilled Water Cooling Coil, Copper Fins, Add	35,231.76	
For Direct Expansion Cooling Coil, Copper Fins, Add	35,231.76	
For 2 Coils, Independent Circuits, Add	9,277.74	
23 73 13 00-0078 EA 27,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	89,445.50	8,200.15
For Economizer, Panel, Controls And Damper(s), Add	3,519.68	
For Flat Filter Box And Throwaway Filters, Add	8,359.66	
For Medium Capacity Filter Box And Throwaway Filters, Add	12,481.00	
For Combination Filter Mixing Box And Throwaway Filters, Add	20,606.69	
For Manual Roll Filter, Add	32,268.84	
For Automatic Roll Filter, Add	40,043.60	
For Hot Water Heating Coil, Aluminum Fins, Add	8,944.55	
For Electric Heating Coil, Add	10,499.50	
For Chilled Water Cooling Coil, Aluminum Fins, Add	32,268.84	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	32,268.84	
For Steam Heating Coil, Aluminum Fins, Add	16,719.31	
For Chilled Water Cooling Coil, Copper Fins, Add	40,043.60	
For Direct Expansion Cooling Coil, Copper Fins, Add	40,043.60	
For 2 Coils, Independent Circuits, Add	10,499.50	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
Central HVAC Equipment			23 70	
Indoor Central-Station Air-Handling Units			23 73	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0079 EA 30,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	96,949.58	8,826.38
For Economizer, Panel, Controls And Damper(s), Add	3,657.20	
For Flat Filter Box And Throwaway Filters, Add	9,064.23	
For Medium Capacity Filter Box And Throwaway Filters, Add	13,533.27	
For Combination Filter Mixing Box And Throwaway Filters, Add	22,345.20	
For Manual Roll Filter, Add	34,995.44	
For Automatic Roll Filter, Add	43,428.93	
For Hot Water Heating Coil, Aluminum Fins, Add	9,694.96	
For Electric Heating Coil, Add	11,381.66	
For Chilled Water Cooling Coil, Aluminum Fins, Add	34,995.44	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	34,995.44	
For Steam Heating Coil, Aluminum Fins, Add	18,128.45	
For Chilled Water Cooling Coil, Copper Fins, Add	43,428.93	
For Direct Expansion Cooling Coil, Copper Fins, Add	43,428.93	
For 2 Coils, Independent Circuits, Add	11,381.66	
23 73 13 00-0080 EA 32,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	108,349.33	10,328.17
For Economizer, Panel, Controls And Damper(s), Add	3,672.52	
For Flat Filter Box And Throwaway Filters, Add	10,097.93	
For Medium Capacity Filter Box And Throwaway Filters, Add	15,073.19	
For Combination Filter Mixing Box And Throwaway Filters, Add	24,876.31	
For Manual Roll Filter, Add	38,917.69	
For Automatic Roll Filter, Add	48,278.61	
For Hot Water Heating Coil, Aluminum Fins, Add	10,834.93	
For Electric Heating Coil, Add	12,707.12	
For Chilled Water Cooling Coil, Aluminum Fins, Add	38,917.69	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	38,917.69	
For Steam Heating Coil, Aluminum Fins, Add	20,195.85	
For Chilled Water Cooling Coil, Copper Fins, Add	48,278.61	
For Direct Expansion Cooling Coil, Copper Fins, Add	48,278.61	
For 2 Coils, Independent Circuits, Add	12,707.12	
23 73 13 00-0081 EA 35,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	108,900.63	10,704.02
For Economizer, Panel, Controls And Damper(s), Add	3,741.43	
For Flat Filter Box And Throwaway Filters, Add	10,125.49	
For Medium Capacity Filter Box And Throwaway Filters, Add	15,111.78	
For Combination Filter Mixing Box And Throwaway Filters, Add	24,931.44	
For Manual Roll Filter, Add	38,972.82	
For Automatic Roll Filter, Add	48,333.74	
For Hot Water Heating Coil, Aluminum Fins, Add	10,890.06	
For Electric Heating Coil, Add	12,762.25	
For Chilled Water Cooling Coil, Aluminum Fins, Add	38,972.82	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	38,972.82	
For Steam Heating Coil, Aluminum Fins, Add	20,250.98	
For Chilled Water Cooling Coil, Copper Fins, Add	48,333.74	
For Direct Expansion Cooling Coil, Copper Fins, Add	48,333.74	
For 2 Coils, Independent Circuits, Add	12,762.25	
23 73 13 00-0082 EA 37,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	113,901.27	11,079.24
For Economizer, Panel, Controls And Damper(s), Add	3,810.35	
For Flat Filter Box And Throwaway Filters, Add	10,597.99	
For Medium Capacity Filter Box And Throwaway Filters, Add	15,817.77	
For Combination Filter Mixing Box And Throwaway Filters, Add	26,098.90	
For Manual Roll Filter, Add	40,807.68	
For Automatic Roll Filter, Add	50,613.53	
For Hot Water Heating Coil, Aluminum Fins, Add	11,390.13	
For Electric Heating Coil, Add	13,351.30	
For Chilled Water Cooling Coil, Aluminum Fins, Add	40,807.68	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	40,807.68	
For Steam Heating Coil, Aluminum Fins, Add	21,195.98	
For Chilled Water Cooling Coil, Copper Fins, Add	50,613.53	
For Direct Expansion Cooling Coil, Copper Fins, Add	50,613.53	
For 2 Coils, Independent Circuits, Add	13,351.30	
23 73 13 00-0083 EA 40,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	119,169.17	11,893.35
For Economizer, Panel, Controls And Damper(s), Add	3,952.39	
For Flat Filter Box And Throwaway Filters, Add	11,067.96	
For Medium Capacity Filter Box And Throwaway Filters, Add	16,517.04	
For Combination Filter Mixing Box And Throwaway Filters, Add	27,245.42	
For Manual Roll Filter, Add	42,573.92	
For Automatic Roll Filter, Add	52,792.93	
For Hot Water Heating Coil, Aluminum Fins, Add	11,916.92	
For Electric Heating Coil, Add	13,960.72	
For Chilled Water Cooling Coil, Aluminum Fins, Add	42,573.92	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	42,573.92	
For Steam Heating Coil, Aluminum Fins, Add	22,135.92	
For Chilled Water Cooling Coil, Copper Fins, Add	52,792.93	
For Direct Expansion Cooling Coil, Copper Fins, Add	52,792.93	
For 2 Coils, Independent Circuits, Add	13,960.72	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0084 EA 45,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	128,432.01	12,519.32
For Economizer, Panel, Controls And Damper(s), Add	4,055.70	
For Flat Filter Box And Throwaway Filters, Add	11,952.92	
For Medium Capacity Filter Box And Throwaway Filters, Add	17,840.35	
For Combination Filter Mixing Box And Throwaway Filters, Add	29,437.16	
For Manual Roll Filter, Add	46,031.12	
For Automatic Roll Filter, Add	57,093.77	
For Hot Water Heating Coil, Aluminum Fins, Add	12,843.20	
For Electric Heating Coil, Add	15,055.73	
For Chilled Water Cooling Coil, Aluminum Fins, Add	46,031.12	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	46,031.12	
For Steam Heating Coil, Aluminum Fins, Add	23,905.84	
For Chilled Water Cooling Coil, Copper Fins, Add	57,093.77	
For Direct Expansion Cooling Coil, Copper Fins, Add	57,093.77	
For 2 Coils, Independent Circuits, Add	15,055.73	
23 73 13 00-0085 EA 50,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	138,070.73	13,207.88
For Economizer, Panel, Controls And Damper(s), Add	3,789.24	
For Flat Filter Box And Throwaway Filters, Add	12,862.45	
For Medium Capacity Filter Box And Throwaway Filters, Add	19,199.22	
For Combination Filter Mixing Box And Throwaway Filters, Add	31,683.83	
For Manual Roll Filter, Add	49,560.58	
For Automatic Roll Filter, Add	61,478.42	
For Hot Water Heating Coil, Aluminum Fins, Add	13,807.07	
For Electric Heating Coil, Add	16,190.64	
For Chilled Water Cooling Coil, Aluminum Fins, Add	49,560.58	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	49,560.58	
For Steam Heating Coil, Aluminum Fins, Add	25,724.91	
For Chilled Water Cooling Coil, Copper Fins, Add	61,478.42	
For Direct Expansion Cooling Coil, Copper Fins, Add	61,478.42	
For 2 Coils, Independent Circuits, Add	16,190.64	
23 73 13 00-0086 EA 55,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	148,732.89	14,021.64
For Economizer, Panel, Controls And Damper(s), Add	3,902.03	
For Flat Filter Box And Throwaway Filters, Add	13,872.28	
For Medium Capacity Filter Box And Throwaway Filters, Add	20,708.31	
For Combination Filter Mixing Box And Throwaway Filters, Add	34,180.18	
For Manual Roll Filter, Add	53,487.08	
For Automatic Roll Filter, Add	66,358.34	
For Hot Water Heating Coil, Aluminum Fins, Add	14,873.29	
For Electric Heating Coil, Add	17,447.54	
For Chilled Water Cooling Coil, Aluminum Fins, Add	53,487.08	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	53,487.08	
For Steam Heating Coil, Aluminum Fins, Add	27,744.55	
For Chilled Water Cooling Coil, Copper Fins, Add	66,358.34	
For Direct Expansion Cooling Coil, Copper Fins, Add	66,358.34	
For 2 Coils, Independent Circuits, Add	17,447.54	
23 73 13 00-0087 EA 60,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	159,557.93	14,397.22
For Economizer, Panel, Controls And Damper(s), Add	3,953.10	
For Flat Filter Box And Throwaway Filters, Add	14,929.25	
For Medium Capacity Filter Box And Throwaway Filters, Add	22,291.21	
For Combination Filter Mixing Box And Throwaway Filters, Add	36,809.84	
For Manual Roll Filter, Add	57,663.88	
For Automatic Roll Filter, Add	71,566.58	
For Hot Water Heating Coil, Aluminum Fins, Add	15,955.79	
For Electric Heating Coil, Add	18,736.33	
For Chilled Water Cooling Coil, Aluminum Fins, Add	57,663.88	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	57,663.88	
For Steam Heating Coil, Aluminum Fins, Add	29,858.49	
For Chilled Water Cooling Coil, Copper Fins, Add	71,566.58	
For Direct Expansion Cooling Coil, Copper Fins, Add	71,566.58	
For 2 Coils, Independent Circuits, Add	18,736.33	
23 73 13 00-0088 Return/Supply Air Fan (23 73 13)		
Note: Includes vibration mounts.		
23 73 13 00-0089 EA 300 CFM Return Air Fan	2,693.67	500.69
23 73 13 00-0090 EA 500 CFM Return Air Fan	3,494.29	600.84
23 73 13 00-0091 EA 750 CFM Return Air Fan	3,649.97	625.88
23 73 13 00-0092 EA 1,000 CFM Return Air Fan	4,167.61	663.43
23 73 13 00-0093 EA 1,250 CFM Return Air Fan	4,294.18	694.73
23 73 13 00-0094 EA 1,500 CFM Return Air Fan	4,393.36	726.03
23 73 13 00-0095 EA 1,750 CFM Return Air Fan	4,610.85	763.59
23 73 13 00-0096 EA 2,000 CFM Return Air Fan	5,128.47	801.14
23 73 13 00-0097 EA 2,250 CFM Return Air Fan	5,373.15	838.71
23 73 13 00-0098 EA 2,500 CFM Return Air Fan	5,508.71	876.26
23 73 13 00-0099 EA 3,000 CFM Return Air Fan	5,833.60	970.15
23 73 13 00-0100 EA 3,500 CFM Return Air Fan	5,987.18	1,020.24
23 73 13 00-0101 EA 4,000 CFM Return Air Fan	6,131.61	1,064.05
23 73 13 00-0102 EA 4,500 CFM Return Air Fan	6,312.47	1,114.22
23 73 13 00-0103 EA 5,000 CFM Return Air Fan	6,474.70	1,170.55
23 73 13 00-0104 EA 5,500 CFM Return Air Fan	6,780.42	1,308.27
23 73 13 00-0105 EA 6,000 CFM Return Air Fan	7,702.18	1,552.39
23 73 13 00-0106 EA 6,500 CFM Return Air Fan	7,902.23	1,577.44
23 73 13 00-0107 EA 7,000 CFM Return Air Fan	7,992.65	1,583.69
23 73 13 00-0108 EA 8,000 CFM Return Air Fan	8,411.00	1,608.73
23 73 13 00-0109 EA 9,000 CFM Return Air Fan	8,598.62	1,627.51
23 73 13 00-0110 EA 10,000 CFM Return Air Fan	9,045.87	1,690.38



Heating, Ventilating, and Air-Conditioning (HVAC)			23
Central HVAC Equipment			23 70
Indoor Central-Station Air-Handling Units			23 73

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73	13 00-0111	EA	12,500 CFM Return Air Fan.....	9,634.77	1,721.31
23 73	13 00-0112	EA	15,000 CFM Return Air Fan.....	10,879.37	1,770.23
23 73	13 00-0113	EA	17,500 CFM Return Air Fan.....	11,860.98	1,865.29
23 73	13 00-0114	EA	20,000 CFM Return Air Fan.....	14,105.40	1,946.48
23 73	13 00-0115	EA	22,500 CFM Return Air Fan.....	14,781.60	2,014.35
23 73	13 00-0116	EA	25,000 CFM Return Air Fan.....	15,453.43	2,071.95
23 73	13 00-0117	EA	27,500 CFM Return Air Fan.....	16,379.60	2,278.51
23 73	13 00-0118	EA	30,000 CFM Return Air Fan.....	17,512.68	2,403.53
23 73	13 00-0119	EA	35,000 CFM Return Air Fan.....	19,757.92	2,503.59
23 73	13 00-0120	EA	40,000 CFM Return Air Fan.....	23,281.26	2,753.98
23 73	13 00-0121	EA	45,000 CFM Return Air Fan.....	28,647.13	3,129.56
23 73	13 00-0122	EA	50,000 CFM Return Air Fan.....	34,866.93	3,242.50
23 73	13 00-0123	EA	55,000 CFM Return Air Fan.....	36,497.26	3,336.13
23 73	13 00-0124	EA	60,000 CFM Return Air Fan.....	37,337.03	3,423.76
23 73	13 00-0125	EA	65,000 CFM Return Air Fan.....	39,156.35	3,573.90
23 73	13 00-0126	EA	70,000 CFM Return Air Fan.....	41,127.48	3,749.90
23 73	13 00-0127	EA	75,000 CFM Return Air Fan.....	44,234.71	3,933.84
23 73	13 00-0128	EA	80,000 CFM Return Air Fan.....	46,197.16	4,142.37
23 73	13 00-0129	EA	90,000 CFM Return Air Fan.....	47,701.80	4,378.27
23 73	13 00-0130	EA	100,000 CFM Return Air Fan.....	51,289.28	4,578.67
23 73	13 00-0131	EA	115,000 CFM Return Air Fan.....	55,177.01	4,797.68
23 73	13 00-0132	EA	130,000 CFM Return Air Fan.....	59,396.39	5,039.39
23 73	13 00-0133	EA	150,000 CFM Return Air Fan.....	64,989.34	5,307.83

23 73 13 00-0134

Removal And Reinstallation Of Air Handling Unit (23 73 13)

Note: Air handling units with filter and coils. Includes storage and cleaning. Excludes ductwork.

23 73	13 00-0135	EA	Removal And Reinstallation Of Up To 11,500 CFM Air Handling Unit.....	2,292.91	
23 73	13 00-0136	EA	Removal And Reinstallation Of >11,500 To 16,500 CFM Air Handling Unit.....	3,110.39	
23 73	13 00-0137	EA	Removal And Reinstallation Of >16,500 To 22,000 CFM Air Handling Unit.....	3,869.29	
23 73	13 00-0138	EA	Removal And Reinstallation Of >22,000 CFM Air Handling Unit.....	7,059.77	

23 74 Packaged Outdoor HVAC Equipment (23 70)

23 74 16 Packaged Rooftop Air-Conditioning Units (23 74)

23 74 16 13 Packaged, Large-Capacity, Rooftop Air-Conditioning Units (23 74 16)

23 74 16 13-0001 Electric Cooling, Electric Heat, Self Contained Packaged Rooftop Air-Conditioning Units (23 74 16 13)

Note: Electric heating capacity is approximately 1/2 the cooling capacity. Minimum 11.0 EER. Includes roof curb and economizer with enthalpy control. Excludes crane and associated personnel. See CSI section 01 22 23 00-0840 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74	16 13-0002	EA	2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	4,560.22	1,562.03
			For Unit Without Heat, Deduct	-332.15	
23 74	16 13-0003	EA	3 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	5,893.14	1,633.03
			For Unit Without Heat, Deduct	-403.53	
23 74	16 13-0004	EA	4 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	6,872.42	1,704.02
			For Unit Without Heat, Deduct	-457.22	
23 74	16 13-0005	EA	5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	8,164.51	1,810.53
			For Unit Without Heat, Deduct	-528.93	
23 74	16 13-0006	EA	6 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	8,889.16	1,917.03
			For Unit Without Heat, Deduct	-572.26	
23 74	16 13-0007	EA	7.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	9,952.48	2,059.03
			For Unit Without Heat, Deduct	-634.89	
23 74	16 13-0008	EA	8.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	10,677.12	2,165.54
			For Unit Without Heat, Deduct	-678.23	
23 74	16 13-0009	EA	10 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	11,740.43	2,307.54
			For Unit Without Heat, Deduct	-740.86	
23 74	16 13-0010	EA	12.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	14,192.86	2,493.56
			For Unit Without Heat, Deduct	-875.90	
23 74	16 13-0011	EA	15 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	16,645.30	2,680.30
			For Unit Without Heat, Deduct	-1,010.95	
23 74	16 13-0012	EA	17.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	19,021.72	2,866.55
			For Unit Without Heat, Deduct	-1,142.20	
23 74	16 13-0013	EA	20 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	21,398.16	3,053.04
			For Unit Without Heat, Deduct	-1,273.44	
23 74	16 13-0014	EA	22.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	23,990.92	3,363.56
			For Unit Without Heat, Deduct	-1,423.79	
23 74	16 13-0015	EA	25 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	26,583.70	3,674.31
			For Unit Without Heat, Deduct	-1,574.14	
23 74	16 13-0016	EA	27.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	29,274.46	4,020.55
			For Unit Without Heat, Deduct	-1,731.75	
23 74	16 13-0017	EA	30 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	31,965.23	4,366.57
			For Unit Without Heat, Deduct	-1,889.37	
23 74	16 13-0018	EA	35 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	37,242.10	5,094.33
			For Unit Without Heat, Deduct	-2,201.73	
23 74	16 13-0019	EA	40 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	42,518.97	5,822.09
			For Unit Without Heat, Deduct	-2,514.09	
23 74	16 13-0020	EA	45 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	46,755.55	6,567.60
			For Unit Without Heat, Deduct	-2,775.62	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0021 EA 50 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	50,992.12	7,313.11
For Unit Without Heat, Deduct	-3,037.15	
23 74 16 13-0022 EA 55 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	56,144.00	8,023.13
For Unit Without Heat, Deduct	-3,342.08	
23 74 16 13-0023 EA 60 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	61,295.89	8,733.14
For Unit Without Heat, Deduct	-3,647.00	
23 74 16 13-0024 EA 65 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	66,295.77	9,443.15
For Unit Without Heat, Deduct	-3,944.33	
23 74 16 13-0025 EA 70 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	71,295.65	10,153.16
For Unit Without Heat, Deduct	-4,241.66	
23 74 16 13-0026 EA 75 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	76,390.19	10,934.17
For Unit Without Heat, Deduct	-4,548.45	
23 74 16 13-0027 Electric Cooling, Gas Heat, Self Contained Packaged Rooftop Air-Conditioning Units <small>(23 74 16 13)</small>		
Note: Units up to 5 tons have 13 SEER. Units >5 to 11 tons have 11.2 EER, >11 to 20 tons have 11 EER, >20 to 63 tons have 10 EER and >63 tons have 9.7 EER. Includes roof curb and economizer with enthalpy control. Excludes crane and associated personnel. See CSI section 01 22 23 00-0840 for crane lifting equipment.		
23 74 16 13-0028 EA 2 Ton Electric Cooling, 50 MBH Gas Heating, Self Contained Package Rooftop Unit.....	4,618.22	1,420.02
For Hot Water Heating Coil Instead Of Gas, Deduct	-136.24	
For Steam Heating Coil Instead Of Gas, Deduct	-54.50	
23 74 16 13-0029 EA 3 Ton Electric Cooling, 60 To 80 MBH Gas Heating, Self Contained Package Rooftop Unit.....	5,264.13	1,633.03
For Hot Water Heating Coil Instead Of Gas, Deduct	-154.34	
For Steam Heating Coil Instead Of Gas, Deduct	-61.74	
23 74 16 13-0030 EA 4 Ton Electric Cooling, 80 To 110 MBH Gas Heating, Self Contained Package Rooftop Unit.....	6,500.20	1,881.53
For Hot Water Heating Coil Instead Of Gas, Deduct	-199.58	
For Steam Heating Coil Instead Of Gas, Deduct	-79.83	
23 74 16 13-0031 EA 5 Ton Electric Cooling, 100 To 120 MBH Gas Heating, Self Contained Package Rooftop Unit.....	7,461.23	2,023.53
For Hot Water Heating Coil Instead Of Gas, Deduct	-238.16	
For Steam Heating Coil Instead Of Gas, Deduct	-95.26	
23 74 16 13-0032 EA 6 Ton Electric Cooling, 140 MBH Gas Heating, Self Contained Package Rooftop Unit.....	8,366.10	2,183.28
For Hot Water Heating Coil Instead Of Gas, Deduct	-272.75	
For Steam Heating Coil Instead Of Gas, Deduct	-109.10	
23 74 16 13-0033 EA 7.5 Ton Electric Cooling, 150 To 180 MBH Gas Heating, Self Contained Package Rooftop Unit.....	9,146.73	2,289.78
For Hot Water Heating Coil Instead Of Gas, Deduct	-304.68	
For Steam Heating Coil Instead Of Gas, Deduct	-121.87	
23 74 16 13-0034 EA 8.5 Ton Electric Cooling, 170 MBH Gas Heating, Self Contained Package Rooftop Unit.....	10,953.40	1,899.28
For Hot Water Heating Coil Instead Of Gas, Deduct	-383.18	
For Steam Heating Coil Instead Of Gas, Deduct	-153.27	
23 74 16 13-0035 EA 10 Ton Electric Cooling, 200 To 240 MBH Gas Heating, Self Contained Package Rooftop Unit.....	13,706.12	2,556.04
For Hot Water Heating Coil Instead Of Gas, Deduct	-514.90	
For Steam Heating Coil Instead Of Gas, Deduct	-205.96	
23 74 16 13-0036 EA 12.5 Ton Electric Cooling, 250 MBH Gas Heating, Self Contained Package Rooftop Unit.....	14,974.70	2,769.04
For Hot Water Heating Coil Instead Of Gas, Deduct	-564.13	
For Steam Heating Coil Instead Of Gas, Deduct	-225.65	
23 74 16 13-0037 EA 15 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit.....	18,132.58	2,982.05
For Hot Water Heating Coil Instead Of Gas, Deduct	-707.83	
For Steam Heating Coil Instead Of Gas, Deduct	-283.13	
23 74 16 13-0038 EA 17.5 Ton Electric Cooling, 330 MBH Gas Heating, Self Contained Package Rooftop Unit.....	19,161.67	3,195.05
For Hot Water Heating Coil Instead Of Gas, Deduct	-745.08	
For Steam Heating Coil Instead Of Gas, Deduct	-298.03	
23 74 16 13-0039 EA 20 Ton Electric Cooling, 350 MBH Gas Heating, Self Contained Package Rooftop Unit.....	29,451.03	3,408.05
For Hot Water Heating Coil Instead Of Gas, Deduct	-1,245.35	
For Steam Heating Coil Instead Of Gas, Deduct	-498.14	
23 74 16 13-0040 EA 22.5 Ton Electric Cooling, 380 MBH Gas Heating, Self Contained Package Rooftop Unit.....	35,991.46	3,763.06
For Hot Water Heating Coil Instead Of Gas, Deduct	-1,548.70	
For Steam Heating Coil Instead Of Gas, Deduct	-619.48	
23 74 16 13-0041 EA 25 Ton Electric Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit.....	42,531.87	4,070.73
For Hot Water Heating Coil Instead Of Gas, Deduct	-1,852.06	
For Steam Heating Coil Instead Of Gas, Deduct	-740.82	
23 74 16 13-0042 EA 27.5 Ton Electric Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit.....	43,803.51	4,473.07
For Hot Water Heating Coil Instead Of Gas, Deduct	-1,891.97	
For Steam Heating Coil Instead Of Gas, Deduct	-756.79	
23 74 16 13-0043 EA 30 Ton Electric Cooling, 500 MBH Gas Heating, Self Contained Package Rooftop Unit.....	45,075.15	4,828.08
For Hot Water Heating Coil Instead Of Gas, Deduct	-1,931.89	
For Steam Heating Coil Instead Of Gas, Deduct	-772.75	
23 74 16 13-0044 EA 35 Ton Electric Cooling, 550 MBH Gas Heating, Self Contained Package Rooftop Unit.....	50,474.66	5,644.59
For Hot Water Heating Coil Instead Of Gas, Deduct	-2,147.43	
For Steam Heating Coil Instead Of Gas, Deduct	-858.97	
23 74 16 13-0045 EA 40 Ton Electric Cooling, 600 MBH Gas Heating, Self Contained Package Rooftop Unit.....	55,874.16	6,461.10
For Hot Water Heating Coil Instead Of Gas, Deduct	-2,362.97	
For Steam Heating Coil Instead Of Gas, Deduct	-945.19	
23 74 16 13-0046 EA 45 Ton Electric Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit.....	60,209.27	7,277.61
For Hot Water Heating Coil Instead Of Gas, Deduct	-2,525.29	
For Steam Heating Coil Instead Of Gas, Deduct	-1,010.12	
23 74 16 13-0047 EA 50 Ton Electric Cooling, 750 MBH Gas Heating, Self Contained Package Rooftop Unit.....	64,544.37	8,094.13
For Hot Water Heating Coil Instead Of Gas, Deduct	-2,687.61	
For Steam Heating Coil Instead Of Gas, Deduct	-1,075.04	
23 74 16 13-0048 EA 55 Ton Electric Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit.....	70,688.95	8,910.64
For Hot Water Heating Coil Instead Of Gas, Deduct	-2,940.41	
For Steam Heating Coil Instead Of Gas, Deduct	-1,176.16	
23 74 16 13-0049 EA 60 Ton Electric Cooling, 850 MBH Gas Heating, Self Contained Package Rooftop Unit.....	76,833.53	9,727.16
For Hot Water Heating Coil Instead Of Gas, Deduct	-3,193.20	
For Steam Heating Coil Instead Of Gas, Deduct	-1,277.28	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Central HVAC Equipment

23 70

Packaged Outdoor HVAC Equipment

23 74

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0050 EA 65 Ton Electric Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit For Hot Water Heating Coil Instead Of Gas, Deduct For Steam Heating Coil Instead Of Gas, Deduct	82,300.73 -3,439.34 -1,375.74	10,135.40
23 74 16 13-0051 EA 70 Ton Electric Cooling, 950 MBH Gas Heating, Self Contained Package Rooftop Unit For Hot Water Heating Coil Instead Of Gas, Deduct For Steam Heating Coil Instead Of Gas, Deduct	87,744.25 -3,685.49 -1,474.19	10,525.92
23 74 16 13-0052 EA 75 Ton Electric Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit For Hot Water Heating Coil Instead Of Gas, Deduct For Steam Heating Coil Instead Of Gas, Deduct	93,211.44 -3,931.63 -1,572.65	10,934.17
23 74 16 13-0053 EA 80 Ton Electric Cooling, 1,100 MBH Gas Heating, Self Contained Package Rooftop Unit For Hot Water Heating Coil Instead Of Gas, Deduct For Steam Heating Coil Instead Of Gas, Deduct	98,702.31 -4,177.77 -1,671.11	11,360.18
23 74 16 13-0054 EA 90 Ton Electric Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit For Hot Water Heating Coil Instead Of Gas, Deduct For Steam Heating Coil Instead Of Gas, Deduct	134,349.42 -5,627.59 -2,331.04	13,348.21
23 74 16 13-0055 EA 100 Ton Electric Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit For Hot Water Heating Coil Instead Of Gas, Deduct For Steam Heating Coil Instead Of Gas, Deduct	154,729.01 -6,652.50 -2,661.00	16,259.26
23 74 16 13-0056 AAON Rooftop Units (23 74 16 13) Note: The minimum EER for units 5 to 10 tons is 11.2, >10 to 20 tons is 11.0, and >20 is 10.0. Excludes crane and associated personnel. See CSI section 01 22 23 00-0840 for crane lifting equipment, 26 28 16 16-0001 for disconnects.		
23 74 16 13-0057 AAON RQ Rooftop Units (23 74 16 13-0056) Note: Includes 2" double wall foam panel construction, direct drive fan with VFD (or ECM motor), single stage on/off scroll compressor, terminal strip for field supplied thermostat, gas heat, manually adjustable OSA damper, microchannel condenser coils. Excludes economizer, controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0840 for crane lifting equipment.		
23 74 16 13-0058 EA 2 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-002) For Factory Installed And Wired Dry Bulb Economizer, Add For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	9,891.50 1,012.75 1,098.77 865.06 990.03 5,047.53 1,178.30	1,420.02
23 74 16 13-0059 EA 3 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-003) For Factory Installed And Wired Dry Bulb Economizer, Add For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	10,808.48 1,085.79 1,178.30 926.73 1,061.44 5,047.53 1,178.30	1,633.03
23 74 16 13-0060 EA 4 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-004) For Factory Installed And Wired Dry Bulb Economizer, Add For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	11,284.26 1,085.79 1,178.30 926.73 1,061.44 5,047.53 1,178.30	1,881.53
23 74 16 13-0061 EA 5 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-005) For Factory Installed And Wired Dry Bulb Economizer, Add For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	11,601.82 1,085.79 1,178.30 926.73 1,061.44 5,047.53 1,178.30	2,023.53
23 74 16 13-0062 EA 6 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-006) For Factory Installed And Wired Dry Bulb Economizer, Add For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	12,683.13 1,085.79 1,178.30 926.73 1,061.44 5,047.53 1,178.30	2,467.33
23 74 16 13-0063 AAON RNA Rooftop Units (23 74 16 13-0056) Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, single stage on/off compressor, terminal strip for field provided thermostat, gas heat, manually adjustable OSA damper. Excludes economizer, controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0840 for crane lifting equipment.		
23 74 16 13-0064 EA 6 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-006) For Factory Installed And Wired Dry Bulb Economizer, Add For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	15,216.64 1,056.57 1,623.00 1,082.54 999.77 2,695.80 918.62	2,183.33
23 74 16 13-0065 EA 7 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-007) For Factory Installed And Wired Dry Bulb Economizer, Add For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	16,233.42 1,056.57 1,623.00 1,082.54 999.77 2,695.80 918.62	2,289.84

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0066	EA	8 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-008) For Factory Installed And Wired Dry Bulb Economizer, Add For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	18,592.99 1,056.57 1,623.00 1,082.54 999.77 2,695.80 918.62	2,467.33
23 74 16 13-0067	EA	10 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-010) For Factory Installed And Wired Dry Bulb Economizer, Add For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	18,797.34 1,056.57 1,623.00 1,082.54 999.77 2,695.80 918.62	2,556.04
23 74 16 13-0068		AAON RNB Rooftop Units (23 74 16 13-0056) Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0840 for crane lifting equipment.		
23 74 16 13-0069	EA	9 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-009) For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	22,165.06 1,556.46 1,217.25 965.68 2,570.83 923.49	2,556.04
23 74 16 13-0070	EA	11 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-011) For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	22,308.97 1,556.46 1,217.25 965.68 2,570.83 923.49	2,485.04
23 74 16 13-0071	EA	13 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-013) For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	24,339.87 1,556.46 1,217.25 965.68 2,570.83 923.49	2,769.04
23 74 16 13-0072	EA	15 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-015) For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	25,000.40 1,556.46 1,217.25 965.68 2,570.83 923.49	2,982.05
23 74 16 13-0073		AAON RNC Rooftop Units (23 74 16 13-0056) Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 13-0074	EA	16 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-016) For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	31,966.32 2,298.17 1,623.00 965.68 4,714.82 420.36	2,982.05
23 74 16 13-0075	EA	18 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-018) For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	34,525.77 2,298.17 1,623.00 965.68 4,714.82 420.36	3,195.05
23 74 16 13-0076	EA	20 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-020) For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	36,590.21 2,298.17 1,623.00 965.68 4,714.82 420.36	3,408.05
23 74 16 13-0077	EA	25 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-025) For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	39,706.84 2,298.17 1,623.00 965.68 4,714.82 420.36	4,118.07
23 74 16 13-0078	EA	30 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-030) For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	45,076.19 2,298.17 1,623.00 965.68 4,714.82 420.36	4,828.08

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Central HVAC Equipment

23 70

Packaged Outdoor HVAC Equipment

23 74

23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0079		AAON RND Rooftop Units (23 74 16 13-0056) Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) variable capacity digital scroll compressor and (2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), factory installed non-fused disconnect and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 13-0080	EA	26 Ton, Air Cooled Packaged Rooftop Units (AAON RND-026)	59,713.56	4,118.07
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,028.75	
		For Factory Installed Non-Fused Disconnect, Add	2,197.54	
		For Hot Water Coil In Lieu Of Gas Heat, Add	3,083.70	
23 74 16 13-0081	EA	31 Ton, Air Cooled Packaged Rooftop Units (AAON RND-031)	68,078.97	4,828.08
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,028.75	
		For Factory Installed Non-Fused Disconnect, Add	2,197.54	
		For Hot Water Coil In Lieu Of Gas Heat, Add	3,083.70	
23 74 16 13-0082	EA	40 Ton, Air Cooled Packaged Rooftop Units (AAON RND-040)	80,430.93	6,461.10
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,028.75	
		For Factory Installed Non-Fused Disconnect, Add	2,197.54	
		For Hot Water Coil In Lieu Of Gas Heat, Add	3,083.70	
23 74 16 13-0083	EA	50 Ton, Air Cooled Packaged Rooftop Units (AAON RND-050)	94,472.43	8,094.13
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,028.75	
		For Factory Installed Non-Fused Disconnect, Add	2,197.54	
		For Hot Water Coil In Lieu Of Gas Heat, Add	3,083.70	
23 74 16 13-0084	EA	60 Ton, Air Cooled Packaged Rooftop Units (AAON RND-060)	104,010.09	9,727.16
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,028.75	
		For Factory Installed Non-Fused Disconnect, Add	2,197.54	
		For Hot Water Coil In Lieu Of Gas Heat, Add	3,083.70	
23 74 16 13-0085	EA	70 Ton, Air Cooled Packaged Rooftop Units (AAON RND-070)	109,533.49	10,525.97
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,028.75	
		For Factory Installed Non-Fused Disconnect, Add	2,197.54	
		For Hot Water Coil In Lieu Of Gas Heat, Add	3,083.70	
23 74 16 13-0086		AAON RNE Rooftop Units (23 74 16 13-0056) Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1 or 2) variable speed VFD controlled scroll compressor and (1 or 2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), Microchannel condenser coils with VFD controlled condenser fans, factory installed non fused disconnect and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 13-0087	EA	55 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-055)	100,915.38	8,910.64
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,291.68	
		For Factory Installed Non-Fused Disconnect, Add	3,291.44	
		For Hot Water Coil In Lieu Of Gas Heat, Add	4,382.10	
23 74 16 13-0088	EA	65 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-065)	111,255.81	10,135.46
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,291.68	
		For Factory Installed Non-Fused Disconnect, Add	3,291.44	
		For Hot Water Coil In Lieu Of Gas Heat, Add	4,382.10	
23 74 16 13-0089	EA	75 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-075)	118,340.53	10,934.17
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,291.68	
		For Factory Installed Non-Fused Disconnect, Add	3,291.44	
		For Hot Water Coil In Lieu Of Gas Heat, Add	4,382.10	
23 74 16 13-0090	EA	95 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-090)	143,680.32	14,803.73
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,291.68	
		For Factory Installed Non-Fused Disconnect, Add	3,291.44	
		For Hot Water Coil In Lieu Of Gas Heat, Add	4,382.10	
23 74 16 13-0091	EA	105 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-105)	155,881.58	16,898.27
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,291.68	
		For Factory Installed Non-Fused Disconnect, Add	3,291.44	
		For Hot Water Coil In Lieu Of Gas Heat, Add	4,382.10	
23 74 16 13-0092	EA	120 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-120)	181,450.13	18,602.29
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,291.68	
		For Factory Installed Non-Fused Disconnect, Add	3,291.44	
		For Hot Water Coil In Lieu Of Gas Heat, Add	4,382.10	
23 74 16 13-0093	EA	130 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-130)	186,092.35	19,738.30
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,291.68	
		For Factory Installed Non-Fused Disconnect, Add	3,291.44	
		For Hot Water Coil In Lieu Of Gas Heat, Add	4,382.10	
23 74 16 13-0094	EA	140 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-140)	195,447.09	22,081.36
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,291.68	
		For Factory Installed Non-Fused Disconnect, Add	3,291.44	
		For Hot Water Coil In Lieu Of Gas Heat, Add	4,382.10	
23 74 16 13-0095		Heating Only Packaged Rooftop Units (23 74 16 13) Note: Includes throwaway filters and filter rack. Manual outside air damper, roof curbs and electric heat. Units are shipped fully factory assembled in one piece, prewired and include start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0840 for crane lifting equipment.		
23 74 16 13-0096	EA	24 MBH Electric Heating Only Self Contained Package Rooftop Unit	4,762.96	1,278.02
		For Gas Heat, Add	299.33	
23 74 16 13-0097	EA	32 MBH Electric Heating Only Self Contained Package Rooftop Unit	5,584.00	1,469.72
		For Gas Heat, Add	351.69	
23 74 16 13-0098	EA	45 MBH Electric Heating Only Self Contained Package Rooftop Unit	7,522.91	1,693.43
		For Gas Heat, Add	481.45	
23 74 16 13-0099	EA	60 MBH Electric Heating Only Self Contained Package Rooftop Unit	8,453.42	1,821.22
		For Gas Heat, Add	543.17	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0100	EA	95 MBH Electric Heating Only Self Contained Package Rooftop Unit.....	9,903.79	2,060.83
		<i>For Gas Heat, Add</i>	638.31	
23 74 16 13-0101	EA	112 MBH Electric Heating Only Self Contained Package Rooftop Unit.....	11,117.91	2,220.53
		<i>For Gas Heat, Add</i>	719.04	
23 74 16 13-0102	EA	140 MBH Electric Heating Only Self Contained Package Rooftop Unit.....	13,033.82	2,300.43
		<i>For Gas Heat, Add</i>	851.02	
23 74 16 13-0103	EA	170 MBH Electric Heating Only Self Contained Package Rooftop Unit.....	16,815.30	2,683.85
		<i>For Gas Heat, Add</i>	1,105.50	
23 74 16 13-0104	EA	200 MBH Electric Heating Only Self Contained Package Rooftop Unit.....	21,955.93	2,875.55
		<i>For Gas Heat, Add</i>	1,460.23	
23 74 16 13-0105	EA	230 MBH Electric Heating Only Self Contained Package Rooftop Unit.....	25,620.74	3,067.25
		<i>For Gas Heat, Add</i>	1,704.66	
23 74 16 13-0106	EA	270 MBH Electric Heating Only Self Contained Package Rooftop Unit.....	32,958.21	3,386.75
		<i>For Gas Heat, Add</i>	2,216.76	
23 74 16 13-0107	EA	330 MBH Electric Heating Only Self Contained Package Rooftop Unit.....	41,138.68	4,309.77
		<i>For Gas Heat, Add</i>	2,772.35	
23 74 16 13-0108	EA	360 MBH Electric Heating Only Self Contained Package Rooftop Unit.....	50,389.26	4,345.27
		<i>For Gas Heat, Add</i>	3,411.37	
23 74 16 13-0109	EA	450 MBH Electric Heating Only Self Contained Package Rooftop Unit.....	61,296.71	5,080.18
		<i>For Gas Heat, Add</i>	4,155.30	
23 74 16 13-0110	EA	540 MBH Electric Heating Only Self Contained Package Rooftop Unit.....	79,487.23	6,549.90
		<i>For Gas Heat, Add</i>	5,389.44	
23 74 16 13-0111		Heat Pump, Packaged Rooftop Heat Pump Units (23 74 16 13)		
		Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel. See CSI section 01 22 23 00-0840 for crane lifting equipment.		
23 74 16 13-0112		Packaged Rooftop Heat Pump Units (23 74 16 13-0111)		
		Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.		
23 74 16 13-0113	EA	2 Ton Packaged Rooftop Heat Pump.....	5,757.89	1,278.02
		<i>For Economizer With Outside Air Control, Add</i>	1,703.32	
		<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	202.69	
23 74 16 13-0114	EA	2.5 Ton Packaged Rooftop Heat Pump.....	6,063.90	1,373.92
		<i>For Economizer With Outside Air Control, Add</i>	1,804.65	
		<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	211.60	
23 74 16 13-0115	EA	3 Ton Packaged Rooftop Heat Pump.....	6,414.44	1,469.72
		<i>For Economizer With Outside Air Control, Add</i>	1,915.33	
		<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	222.74	
23 74 16 13-0116	EA	3.5 Ton Packaged Rooftop Heat Pump.....	6,883.55	1,581.52
		<i>For Economizer With Outside Air Control, Add</i>	1,866.08	
		<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	238.74	
23 74 16 13-0117	EA	4 Ton Packaged Rooftop Heat Pump.....	7,352.86	1,693.43
		<i>For Economizer With Outside Air Control, Add</i>	1,995.07	
		<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	254.75	
23 74 16 13-0118	EA	5 Ton Packaged Rooftop Heat Pump.....	7,881.12	1,821.22
		<i>For Economizer With Outside Air Control, Add</i>	2,141.11	
		<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	218.12	
23 74 16 13-0119	EA	6 Ton Packaged Rooftop Heat Pump.....	8,862.81	1,964.94
		<i>For Economizer With Outside Air Control, Add</i>	2,371.26	
		<i>For Economizer With Outside Air Control, Add</i>	1,996.69	
		<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	187.29	
23 74 16 13-0120	EA	7.5 Ton Packaged Rooftop Heat Pump.....	11,375.17	2,060.83
		<i>For Economizer With Outside Air Control, Add</i>	2,409.16	
		<i>For Economizer With Outside Air Control, Add</i>	2,322.89	
		<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	258.82	
23 74 16 13-0121	EA	8.5 Ton Packaged Rooftop Heat Pump.....	12,719.44	2,220.53
		<i>For Economizer With Outside Air Control, Add</i>	2,553.83	
		<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	292.76	
23 74 16 13-0122	EA	10 Ton Packaged Rooftop Heat Pump.....	13,671.76	2,300.43
		<i>For Economizer With Outside Air Control, Add</i>	2,594.08	
		<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	212.09	
23 74 16 13-0123	EA	12.5 Ton Packaged Rooftop Heat Pump.....	15,852.00	2,492.14
		<i>For Economizer With Outside Air Control, Add</i>	2,914.34	
		<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	250.58	
23 74 16 13-0124	EA	15 Ton Packaged Rooftop Heat Pump.....	18,032.23	2,683.85
		<i>For Economizer With Outside Air Control, Add</i>	3,234.60	
		<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	289.08	
23 74 16 13-0125	EA	17.5 Ton Packaged Rooftop Heat Pump.....	20,189.65	2,875.55
		<i>For Economizer With Outside Air Control, Add</i>	3,552.59	
		<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	327.11	
23 74 16 13-0126	EA	20 Ton Packaged Rooftop Heat Pump.....	22,347.06	3,067.25
		<i>For Economizer With Outside Air Control, Add</i>	3,870.57	
		<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	365.15	

23 74 23 Packaged, Outdoor, Heating-Only Makeup-Air Units (23 74)**23 74 23 13 Packaged, Direct-Fired, Outdoor, Heating-Only Makeup-Air Units** (23 74 23)

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Central HVAC Equipment

23 70

Packaged Outdoor HVAC Equipment

23 74

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 23 13-0001 Make-Up Air Units (23 74 23 13) Note: Including throwaway filters. Units are shipped fully factory assembled in one piece, prewired, prepiped, charged with refrigerant, and include start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0840 for crane lifting equipment.		
23 74 23 13-0002 Gas-Fired Electric Spark Make-Up Air Units (23 74 23 13-0001) Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0841 for crane lifting equipment.		
23 74 23 13-0003 EA 100,000 BTU 1/2 HP, 1,200 CFM, Make-up Air Unit, Gas Fired, Electric Spark For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Equipment Base Roof Curb, Add	5,237.10 1,358.13 633.34	426.00
23 74 23 13-0004 EA 300,000 BTU 1-1/2 HP, 3,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Equipment Base Roof Curb, Add	6,744.31 1,779.52 818.66	482.81
23 74 23 13-0005 EA 500,000 BTU 2 HP, 4,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Equipment Base Roof Curb, Add	9,341.18 2,518.35 1,139.25	568.01
23 74 23 13-0006 EA 670,000 BTU 3 HP, 6,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Equipment Base Roof Curb, Add	9,433.12 2,524.63 1,148.61	605.88
23 74 23 13-0007 EA 800,000 BTU 5 HP, 7,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Equipment Base Roof Curb, Add	12,831.29 3,508.58 1,569.83	681.61
23 74 23 13-0008 EA 1,200,000 BTU 10 HP, 10,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Equipment Base Roof Curb, Add	19,384.56 5,389.36 2,380.47	852.02
23 74 23 13-0009 Electric Make-Up Air Units (23 74 23 13-0001) Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0841 for crane lifting equipment.		
23 74 23 13-0010 EA 33 KW, 1/2 HP, 1,200 CFM Make-up Air Unit, Electric For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Equipment Base Roof Curb, Add	10,636.64 2,977.99 1,308.28	426.00
23 74 23 13-0011 EA 100 KW, 1-1/2 HP, 3,500 CFM Make-up Air Unit, Electric For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Equipment Base Roof Curb, Add	15,171.19 4,307.59 1,872.02	482.81
23 74 23 13-0012 EA 150 KW, 2 HP, 4,000 CFM Make-up Air Unit, Electric For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Equipment Base Roof Curb, Add	18,785.21 5,351.56 2,319.75	568.01
23 74 23 13-0013 EA 250 KW, 5 HP, 7,500 CFM Make-up Air Unit, Electric For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Equipment Base Roof Curb, Add	24,285.48 6,944.84 3,001.60	681.61
23 74 23 13-0014 EA 400 KW, 10 HP, 10,000 CFM Make-up Air Unit, Electric For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Equipment Base Roof Curb, Add	39,189.07 11,330.72 4,856.03	852.02
23 76 Evaporative Air-Cooling Equipment (23 70)		
23 76 13 Direct Evaporative Air Coolers (23 76)		
23 76 13 00-0001 Residential Side Or Down Draft Evaporative Cooling Unit (23 76 13) Note: Includes motor, belt and pads.		
23 76 13 00-0002 EA 3,000 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit 23 76 13 00-0003 EA 4,300 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit 23 76 13 00-0004 EA 4,400 CFM, 1/2 HP Residential Side Or Down Draft Evaporative Cooling Unit 23 76 13 00-0005 EA 5,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit 23 76 13 00-0006 EA 6,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit 23 76 13 00-0007 EA 7,000 CFM, 1 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,079.83 1,274.81 1,641.72 1,789.36 2,052.43 2,211.62	269.89 314.87 359.86 404.84 449.82 494.80
23 76 13 00-0008 Industrial Side Draft/Side Discharge Evaporative Coolers (23 76 13) Note: Excludes motor starter, piping, power wiring and equipment rigging.		
23 76 13 00-0009 EA 7,500 CFM, 3/4 HP Industrial Side Or Down Draft Evaporative Cooling Unit 23 76 13 00-0010 EA 8,500 CFM, 1 HP Industrial Side Or Down Draft Evaporative Cooling Unit 23 76 13 00-0011 EA 9,500 CFM, 1 1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit 23 76 13 00-0012 EA 11,375 CFM, 2 HP Industrial Side Or Down Draft Evaporative Cooling Unit 23 76 13 00-0013 EA 13,020 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit 23 76 13 00-0014 EA 16,267 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit 23 76 13 00-0015 EA 15,438 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit 23 76 13 00-0016 EA 19,286 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit 23 76 13 00-0017 EA 17,672 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit 23 76 13 00-0018 EA 22,077 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit 23 76 13 00-0019 EA 24,301 CFM, 10 HP Industrial Side Or Down Draft Evaporative Cooling Unit 23 76 13 00-0020 EA 30,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit 23 76 13 00-0021 EA 35,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit 23 76 13 00-0022 EA 40,000 CFM, 30 HP Industrial Side Or Down Draft Evaporative Cooling Unit	2,051.65 2,117.33 2,540.51 5,308.49 5,805.59 6,632.90 6,143.47 7,304.60 7,437.79 8,237.02 8,701.83 11,788.15 13,153.59 14,538.27	282.71 291.87 405.34 478.48 700.48 747.18 840.58 1,050.72 1,373.50 1,400.96 1,556.65 2,432.25 2,537.98 2,653.33
23 80 Decentralized Unitary HVAC Equipment (23)		
Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 23 05 29 00-0000 for hangers and supports, 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 76 Evaporative Air-Cooling Equipment**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

terminations, 26 28 16 16-0001 for disconnect.

23 81 Decentralized Unitary HVAC Equipment (23 80)**23 81 13 Packaged Terminal Air-Conditioners (23 81)**

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

23 81 13 11 Packaged Terminal Air-Conditioners, Through-Wall Units (23 81 13)**23 81 13 11-0001 Packaged Terminal Air-Conditioners (23 81 13 11)****23 81 13 11-0002 Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioners (23 81 13 11-0001)**

23 81 13 11-0003	EA	7,200 BTU, 13 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	1,361.46	168.68
		For >35 To 70, Deduct	-30.72	
		For >70 To 100, Deduct	-51.21	
		For >100, Deduct	-71.69	
23 81 13 11-0004	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	1,473.01	215.97
		For >35 To 70, Deduct	-31.25	
		For >70 To 100, Deduct	-52.08	
		For >100, Deduct	-72.91	
23 81 13 11-0005	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	1,560.14	230.16
		For >35 To 70, Deduct	-32.98	
		For >70 To 100, Deduct	-54.96	
		For >100, Deduct	-76.95	
23 81 13 11-0006	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	1,685.13	247.40
		For >35 To 70, Deduct	-35.72	
		For >70 To 100, Deduct	-59.53	
		For >100, Deduct	-83.34	

23 81 13 11-0007 Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioners (23 81 13 11-0001)

23 81 13 11-0008	EA	7,200 BTU, 13 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,477.73	191.64
		For >35 To 70, Deduct	-32.85	
		For >70 To 100, Deduct	-54.76	
		For >100, Deduct	-76.66	
23 81 13 11-0009	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,565.62	215.97
		For >35 To 70, Deduct	-34.02	
		For >70 To 100, Deduct	-56.71	
		For >100, Deduct	-79.39	
23 81 13 11-0010	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,627.25	230.16
		For >35 To 70, Deduct	-34.99	
		For >70 To 100, Deduct	-58.32	
		For >100, Deduct	-81.65	
23 81 13 11-0011	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,773.72	247.40
		For >35 To 70, Deduct	-38.37	
		For >70 To 100, Deduct	-63.96	
		For >100, Deduct	-89.54	

23 81 13 11-0012 Packaged Terminal Air-Conditioners, Through-Wall Unit Sleeve (23 81 13 11)

Note: Includes wall case, exterior grille, weather panel and steel closure panels. Includes bolts, nuts, washers, caulking and lintel supports. Not for use with new A/C units where wall sleeve is provided. Excludes cutting opening for unit or patching masonry or concrete.

23 81 13 11-0013	EA	Up To 10,000 BTU Unit, Thru Wall A/C Sleeve	84.71	
23 81 13 11-0014	EA	>10,000 To 20,000 BTU Unit, Thru Wall A/C Sleeve	95.83	
23 81 13 11-0015	EA	>20,000 To 30,000 BTU Unit, Thru Wall A/C Sleeve	106.95	

23 81 13 11-0016 Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units (23 81 13 11)

Note: Includes storage and cleaning.

23 81 13 11-0017	EA	Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units	179.93	
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23 81 13 13 Packaged Terminal Air-Conditioners, Outdoor, Wall-Mounted Units (23 81 13)**23 81 13 13-0001 Single Package Vertical Wall Cooling Unit (23 81 13 13)**

Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0841 for crane lifting equipment.

23 81 13 13-0002	EA	1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	3,284.07	204.59
23 81 13 13-0003	EA	1 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	5,907.09	214.33
23 81 13 13-0004	EA	1-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	7,723.28	224.08
23 81 13 13-0005	EA	2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	8,881.50	243.55
23 81 13 13-0006	EA	2-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	11,139.03	282.52
23 81 13 13-0007	EA	3 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	11,952.86	350.72
23 81 13 13-0008	EA	3-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	13,233.44	389.68
23 81 13 13-0009	EA	4 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	14,572.91	438.40



Heating, Ventilating, and Air-Conditioning (HVAC)			23
Decentralized Unitary HVAC Equipment			23 80
Decentralized Unitary HVAC Equipment			23 81

23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 13 13-0010	EA		5 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	16,397.69	526.08
23 81 13 13-0011	EA		7-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	21,196.64	652.73
23 81 13 13-0012	EA		10 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	25,287.34	876.80
23 81 13 13-0013	EA		15 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	35,450.78	1,071.64
23 81 13 13-0014	EA		20 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	40,842.65	1,276.23
23 81 13 13-0015	EA		25 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	48,812.45	1,432.11

23 81 16 Room Air-Conditioners (23 81)

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

23 81 16 00-0001	Window Unit, Room Air-Conditioners (23 81 16)				
23 81 16 00-0002	Cooling Only, Window Unit, Room Air-Conditioners (23 81 16 00-0001)				
23 81 16 00-0003	Cooling Only, Window Unit, Room Air-Conditioners (Frigidaire) (23 81 16 00-0002)				
23 81 16 00-0004	EA		5,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0533Q1)	467.78	94.46
			For >10 To 50, Deduct	-13.94	
			For >50 To 75, Deduct	-19.52	
			For >75 To 100, Deduct	-27.89	
			For >100, Deduct	-33.46	
23 81 16 00-0005	EA		6,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0633Q1)	495.80	94.46
			For >10 To 50, Deduct	-15.34	
			For >50 To 75, Deduct	-21.48	
			For >75 To 100, Deduct	-30.69	
			For >100, Deduct	-36.83	
23 81 16 00-0006	EA		8,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0833U1)	565.87	94.46
			For >10 To 50, Deduct	-18.85	
			For >50 To 75, Deduct	-26.39	
			For >75 To 100, Deduct	-37.70	
			For >100, Deduct	-45.23	
23 81 16 00-0007	EA		10,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1033U1)	628.84	94.46
			For >10 To 50, Deduct	-22.00	
			For >50 To 75, Deduct	-30.79	
			For >75 To 100, Deduct	-43.99	
			For >100, Deduct	-52.79	
23 81 16 00-0008	EA		12,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1233Q1)	790.08	94.46
			For >10 To 50, Deduct	-30.06	
			For >50 To 75, Deduct	-42.08	
			For >75 To 100, Deduct	-60.12	
			For >100, Deduct	-72.14	
23 81 16 00-0009	EA		15,100 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1)	930.21	94.46
			For >10 To 50, Deduct	-37.06	
			For >50 To 75, Deduct	-51.89	
			For >75 To 100, Deduct	-74.13	
			For >100, Deduct	-88.95	
23 81 16 00-0010	EA		8,000 BTU, 10.9 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS0833Q1)	874.16	94.46
			For >10 To 50, Deduct	-34.26	
			For >50 To 75, Deduct	-47.97	
			For >75 To 100, Deduct	-68.52	
			For >100, Deduct	-82.23	
23 81 16 00-0011	EA		10,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1022Q1)	944.22	94.46
			For >10 To 50, Deduct	-37.77	
			For >50 To 75, Deduct	-52.87	
			For >75 To 100, Deduct	-75.53	
			For >100, Deduct	-90.64	
23 81 16 00-0012	EA		12,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1222Q1)	1,000.27	94.46
			For >10 To 50, Deduct	-40.57	
			For >50 To 75, Deduct	-56.79	
			For >75 To 100, Deduct	-81.14	
			For >100, Deduct	-97.36	
23 81 16 00-0013	EA		18,500 BTU, 11.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1833Q2)	1,056.32	94.46
			For >10 To 50, Deduct	-43.37	
			For >50 To 75, Deduct	-60.72	
			For >75 To 100, Deduct	-86.74	
			For >100, Deduct	-104.09	
23 81 16 00-0014	EA		22,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2233S2)	1,168.43	94.46
			For >10 To 50, Deduct	-48.98	
			For >50 To 75, Deduct	-68.57	
			For >75 To 100, Deduct	-97.95	
			For >100, Deduct	-117.54	
23 81 16 00-0015	EA		25,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2533S2)	1,182.44	94.46
			For >10 To 50, Deduct	-49.68	
			For >50 To 75, Deduct	-69.55	
			For >75 To 100, Deduct	-99.35	
			For >100, Deduct	-119.22	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0016	EA		28,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRA2822R2).....	1,257.58	94.46
			For >10 To 50, Deduct	-53.43	
			For >50 To 75, Deduct	-74.81	
			For >75 To 100, Deduct	-106.87	
			For >100, Deduct	-128.24	
23 81 16 00-0017			Cooling Only, Window Unit, Room Air-Conditioners (Friedrich Kuhl) (23 81 16 00-0002)		
23 81 16 00-0018	EA		8,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS08N10C).....	1,332.11	94.46
23 81 16 00-0019	EA		10,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS10N10C).....	1,459.25	94.46
23 81 16 00-0020	EA		11,900 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N10C).....	1,517.05	94.46
23 81 16 00-0021	EA		12,000 BTU, 12.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N30C).....	1,540.17	94.46
23 81 16 00-0022	EA		20,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SM18N30C).....	1,748.23	94.46
23 81 16 00-0023	EA		24,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL24N30C).....	2,268.38	94.46
23 81 16 00-0024	EA		28,000 BTU, 10.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL28N30C).....	2,441.77	94.46
23 81 16 00-0025	EA		36,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL36N30B).....	2,672.95	94.46
23 81 16 00-0026			Heating And Cooling, Window Unit, Room Air-Conditioners (23 81 16 00-0001)		
23 81 16 00-0027			Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Frigidaire) (23 81 16 00-0026)		
23 81 16 00-0028	EA		8,000 BTU, 9.8 EER, 115 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH0822R1).....	1,000.27	94.46
			For >10 To 50, Deduct	-40.57	
			For >50 To 75, Deduct	-56.79	
			For >75 To 100, Deduct	-81.14	
			For >100, Deduct	-97.36	
23 81 16 00-0029	EA		12,000 BTU, 10.9 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1222R2).....	1,154.42	94.46
			For >10 To 50, Deduct	-48.28	
			For >50 To 75, Deduct	-67.59	
			For >75 To 100, Deduct	-96.55	
			For >100, Deduct	-115.86	
23 81 16 00-0030	EA		18,500 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1822R2).....	1,238.49	94.46
			For >10 To 50, Deduct	-52.48	
			For >50 To 75, Deduct	-73.47	
			For >75 To 100, Deduct	-104.96	
			For >100, Deduct	-125.95	
23 81 16 00-0031	EA		25,000 BTU, 9.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH2522R2).....	1,546.78	94.46
			For >10 To 50, Deduct	-67.89	
			For >50 To 75, Deduct	-95.05	
			For >75 To 100, Deduct	-135.79	
			For >100, Deduct	-162.94	
23 81 16 00-0032			Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Friedrich) (23 81 16 00-0026)		
23 81 16 00-0033	EA		12,000 BTU, 11.3 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich ES12N33B).....	1,597.96	94.46
23 81 16 00-0034			Accessories (23 81 16 00-0001)		
23 81 16 00-0035	SET		Aluminum Air Conditioner Unit Frame And Bracket Assembly.....	415.62	55.77
23 81 16 00-0036			Removal And Reinstallation Of Room Air-Conditioners (23 81 16)		
			Note: Includes storage and cleaning.		
23 81 16 00-0037	EA		Removal And Reinstallation Of Room Air-Conditioning Unit In Window Lower Sash.....	112.45	
23 81 16 00-0038	EA		Removal And Reinstallation Of Room Air-Conditioning Unit In Window Upper Sash.....	247.11	
23 81 16 00-0039			Through-The-Wall, Room Air-Conditioners (23 81 16)		
			Note: Base unit excludes wall sleeve.		
23 81 16 00-0040			Cooling Only, Through-The-Wall, Room Air-Conditioners (23 81 16 00-0039)		
23 81 16 00-0041			Cooling Only, Through-The-Wall, Room Air-Conditioners (Friedrich) (23 81 16 00-0040)		
23 81 16 00-0042	EA		8,000 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08D10A).....	1,000.72	67.47
			For >10 To 50, Deduct	-43.29	
			For >50 To 75, Deduct	-60.60	
			For >75 To 100, Deduct	-86.58	
			For >100, Deduct	-103.89	
			For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	260.92	
23 81 16 00-0043	EA		9,800 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D10B).....	1,081.63	67.47
			For >10 To 50, Deduct	-47.33	
			For >50 To 75, Deduct	-66.27	
			For >75 To 100, Deduct	-94.67	
			For >100, Deduct	-113.60	
			For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	260.92	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
Decentralized Unitary HVAC Equipment			23 80
Decentralized Unitary HVAC Equipment			23 81

23

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
23 81 16 00-0044	EA 12,000 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D10A).....	1,231.90		67.47
	For >10 To 50, Deduct	-54.85		
	For >50 To 75, Deduct	-76.79		
	For >75 To 100, Deduct	-109.70		
	For >100, Deduct	-131.63		
	For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	260.92		
23 81 16 00-0045	EA 10,000 BTU, 10.7 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D30A).....	1,081.63		67.47
	For >10 To 50, Deduct	-47.33		
	For >50 To 75, Deduct	-66.27		
	For >75 To 100, Deduct	-94.67		
	For >100, Deduct	-113.60		
	For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	260.92		
23 81 16 00-0046	EA 12,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D30A).....	1,231.90		67.47
	For >10 To 50, Deduct	-54.85		
	For >50 To 75, Deduct	-76.79		
	For >75 To 100, Deduct	-109.70		
	For >100, Deduct	-131.63		
	For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	260.92		
23 81 16 00-0047	Heating And Cooling, Through-The-Wall, Room Air-Conditioners (23 81 16 00-0039)			
23 81 16 00-0048	Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioners (Friedrich) (23 81 16 00-0047)			
23 81 16 00-0049	EA 10,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE10D33).....	1,266.58		67.47
	For >10 To 50, Deduct	-56.58		
	For >50 To 75, Deduct	-79.21		
	For >75 To 100, Deduct	-113.16		
	For >100, Deduct	-135.80		
	For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	260.92		
23 81 16 00-0050	EA 12,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE12D33).....	1,359.05		67.47
	For >10 To 50, Deduct	-61.21		
	For >50 To 75, Deduct	-85.69		
	For >75 To 100, Deduct	-122.41		
	For >100, Deduct	-146.89		
	For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	260.92		
23 81 23	Computer-Room Air-Conditioners (23 81)			
	Note: Includes equipment rigging. Indoor units include filters.			
23 81 23 12	Large-Capacity, Computer-Room Air-Conditioners, Floor Mounted Units (23 81 23)			
23 81 23 12-0001	Floor Mounted Air Cooled Direct Expansion Type (23 81 23 12)			
	Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and outdoor air cooled condenser complete with fan speed control. Excludes precharged copper pipe.			
23 81 23 12-0002	EA 3 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	34,565.47		1,920.18
	Note: Includes interior unit and remote condenser. Excludes piping.			
	For Liebert Unit, Add	3,960.26		
23 81 23 12-0003	EA 5 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	38,153.88		2,100.19
	Note: Includes interior unit and remote condenser. Excludes piping.			
	For Liebert Unit, Add	4,373.27		
23 81 23 12-0004	EA 6 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	53,016.91		2,400.22
	Note: Includes interior unit and remote condenser. Excludes piping.			
	For Liebert Unit, Add	6,180.87		
23 81 23 12-0005	EA 8 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	58,060.37		2,550.24
	Note: Includes interior unit and remote condenser. Excludes piping.			
	For Liebert Unit, Add	6,783.41		
23 81 23 12-0006	EA 10 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	63,103.82		2,700.25
	Note: Includes interior unit and remote condenser. Excludes piping.			
	For Liebert Unit, Add	7,385.95		
23 81 23 12-0007	EA 16 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	70,604.57		3,240.29
	Note: Includes interior unit and remote condenser. Excludes piping.			
	For Liebert Unit, Add	8,214.41		
23 81 23 12-0008	EA 20 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	79,817.00		3,600.33
	Note: Includes interior unit and remote condenser. Excludes piping.			
	For Liebert Unit, Add	9,307.76		
23 81 23 12-0009	EA 22 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	83,519.37		3,719.08
	Note: Includes interior unit and remote condenser. Excludes piping.			
	For Liebert Unit, Add	9,744.96		
23 81 23 12-0010	EA 24 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	91,003.59		3,840.35
	Note: Includes interior unit and remote condenser. Excludes piping.			
	For Liebert Unit, Add	10,654.59		
23 81 23 12-0011	EA 30 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	98,381.51		4,320.39
	Note: Includes interior unit and remote condenser. Excludes piping.			
	For Liebert Unit, Add	11,494.45		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 81 23 12-0012		Floor Mounted Chilled Water Type <small>(23 81 23 12)</small>		
		Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitact sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 12-0020 for chilled water source.		
23 81 23 12-0013	EA	3 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	23,408.55	1,315.72
		For Liebert Unit, Add	2,706.78	
23 81 23 12-0014	EA	5 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	25,139.49	1,457.40
		For Liebert Unit, Add	2,899.54	
23 81 23 12-0015	EA	12 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	30,941.48	2,219.84
		For Liebert Unit, Add	3,497.71	
23 81 23 12-0016	EA	16 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	32,375.68	2,249.08
		For Liebert Unit, Add	3,672.15	
23 81 23 12-0017	EA	20 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	33,615.53	2,339.04
		For Liebert Unit, Add	3,810.60	
23 81 23 12-0018	EA	22 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	34,346.44	2,563.95
		For Liebert Unit, Add	3,865.98	
23 81 23 12-0019	EA	31 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	36,410.92	2,788.86
		For Liebert Unit, Add	4,087.49	
23 81 23 12-0020		Floor Mounted Water Source <small>(23 81 23 12)</small>		
		Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitact sensors, floor stand. Excludes water source.		
23 81 23 12-0021	EA	3 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	18,008.55	1,200.11
		For Liebert Unit, Add	2,026.88	
23 81 23 12-0022	EA	5 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	19,844.91	1,260.12
		For Liebert Unit, Add	2,245.16	
23 81 23 12-0023	EA	6 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	25,858.87	1,320.12
		For Liebert Unit, Add	2,985.75	
23 81 23 12-0024	EA	8 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	27,857.16	1,440.13
		For Liebert Unit, Add	3,211.82	
23 81 23 12-0025	EA	10 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	30,781.46	1,560.14
		For Liebert Unit, Add	3,554.83	
23 81 23 12-0026	EA	12 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	31,963.58	1,680.15
		For Liebert Unit, Add	3,679.57	
23 81 23 12-0027	EA	15 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	33,361.30	1,800.16
		For Liebert Unit, Add	3,835.48	
23 81 23 12-0028	EA	20 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	34,279.15	1,920.18
		For Liebert Unit, Add	3,929.03	
23 81 23 12-0029	EA	25 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	39,163.92	2,280.20
		For Liebert Unit, Add	4,469.53	
23 81 23 12-0030		Floor Mounted Glycol System Type <small>(23 81 23 12)</small>		
		Note: Includes drycoolers, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitact sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 12-0020 for water source.		
23 81 23 12-0031	EA	3 Ton Computer Room Air Conditioner, Glycol System Type	33,976.46	1,315.72
		For Liebert Unit, Add	4,027.77	
23 81 23 12-0032	EA	5 Ton Computer Room Air Conditioner, Glycol System Type	36,562.98	1,457.40
		For Liebert Unit, Add	4,327.47	
23 81 23 12-0033	EA	6 Ton Computer Room Air Conditioner, Glycol System Type	56,559.82	1,632.83
		For Liebert Unit, Add	6,797.84	
23 81 23 12-0034	EA	9 Ton Computer Room Air Conditioner, Glycol System Type	58,332.06	1,808.26
		For Liebert Unit, Add	6,990.13	
23 81 23 12-0035	EA	10 Ton Computer Room Air Conditioner, Glycol System Type	62,418.79	1,983.68
		For Liebert Unit, Add	7,471.73	
23 81 23 12-0036	EA	16 Ton Computer Room Air Conditioner, Glycol System Type	74,734.08	2,249.08
		For Liebert Unit, Add	8,965.04	
23 81 23 12-0037	EA	20 Ton Computer Room Air Conditioner, Glycol System Type	81,974.57	2,339.04
		For Liebert Unit, Add	9,855.48	
23 81 23 12-0038	EA	22 Ton Computer Room Air Conditioner, Glycol System Type	84,978.84	2,563.95
		For Liebert Unit, Add	10,195.03	
23 81 23 12-0039	EA	30 Ton Computer Room Air Conditioner, Glycol System Type	103,592.80	2,788.86
		For Liebert Unit, Add	12,485.23	
23 81 23 12-0040		Removal And Reinstallation Of Computer Room Unit <small>(23 81 23 12)</small>		
		Note: Includes storage and cleaning. Excludes main mechanical piping. Reconnection of existing valves are included.		
23 81 23 12-0041	EA	Removal And Reinstallation Up To 6 Ton, Floor Mounted Chilled Water Computer Room Unit	1,799.27	
23 81 23 12-0042	EA	Removal And Reinstallation Up To 6 Ton Direct Expansion Computer Room Unit	1,499.39	
23 81 23 13		Computer-Room Air-Conditioners, Ceiling Mounted Units <small>(23 81 23)</small>		
23 81 23 13-0001		Horizontal Indoor Single Package Cooling Unit <small>(23 81 23 13)</small>		
		Note: Carrier 50AH With indoor scroll compressor, plenum mounted.		
23 81 23 13-0002	EA	2 Ton Horizontal Indoor Single-Package Cooling Unit, 800 CFM Nominal	13,183.06	539.78
23 81 23 13-0003	EA	3 Ton Horizontal Indoor Single-Package Cooling Unit, 1,200 CFM Nominal	15,464.93	674.73
23 81 23 13-0004	EA	4 Ton Horizontal Indoor Single-Package Cooling Unit, 1,600 CFM Nominal	18,015.72	809.66
23 81 23 13-0005	EA	5 Ton Horizontal Indoor Single-Package Cooling Unit, 2,000 CFM Nominal	20,955.69	899.63

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Decentralized Unitary HVAC Equipment

23 80

Decentralized Unitary HVAC Equipment

23 81

23

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 Split-System Air-Conditioners (23 81)			
23 81 26 13 Small-Capacity Split-System Air-Conditioners (23 81 26)			
23 81 26 13-0001	Split System A/C Unit (23 81 26 13) See CSI section 23 23 16 00-0001 for piping.		
23 81 26 13-0002	Ductless Split System Air Conditioners (23 81 26 13-0001) Note: Excludes refrigerant piping, electrical, and pad. Panasonic units or equal. See CSI section 23 81 49 00-0025 for ductless heat pumps.		
23 81 26 13-0003	Wall Mounted Ductless Split System Air Conditioners (23 81 26 13-0002)		
23 81 26 13-0004	EA 9,000 BTU, 16 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	1,974.92	296.88
23 81 26 13-0005	EA 11,900 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioner Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,135.80	323.86
23 81 26 13-0006	EA 17,500 BTU, 20 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,680.78	359.86
23 81 26 13-0007	EA 24,200 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,977.27	395.84
23 81 26 13-0008	EA 25,200 BTU, 14.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,637.70	431.83
23 81 26 13-0009	EA 29,800 BTU, 15 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,414.78	449.82
23 81 26 13-0010	EA 31,400 BTU, 15.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,944.99	479.50
23 81 26 13-0011	Dual and Tri Zone Wall Mounted Ductless Split System Air Conditioners (23 81 26 13-0002) Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 26 13-0012	EA 7,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	846.81	143.95
23 81 26 13-0013	EA 9,000 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	894.15	152.94
23 81 26 13-0014	EA 11,900 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	942.35	161.94
23 81 26 13-0015	EA 17,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,068.54	170.93
23 81 26 13-0016	EA 24,200 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,143.30	179.93
23 81 26 13-0017	EA 19,700 BTU, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	2,391.83	215.91
23 81 26 13-0018	EA 25,400 BTU, 16.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	2,646.76	233.90
23 81 26 13-0019	EA 30,600 BTU, 17.6 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	4,221.36	251.90
23 81 26 13-0020	Suspended Ceiling Mounted Ductless Split System Air Conditioners (23 81 26 13-0002) Note: Excludes hangers.		
23 81 26 13-0021	EA 24,400 BTU, 14.5 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,974.75	431.83
23 81 26 13-0022	EA 31,200 BTU, 15.1 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,062.28	515.49
23 81 26 13-0023	EA 39,000 BTU, 15.6 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,425.53	539.78
23 81 26 13-0024	Recessed Ceiling Mounted Ductless Split System Air Conditioners (23 81 26 13-0002) Note: Excludes hangers.		
23 81 26 13-0025	EA 11,900 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,027.83	359.86
23 81 26 13-0026	EA 17,500 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,535.13	395.84
23 81 26 13-0027	EA 24,800 BTU, 14.1 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,936.17	467.81
23 81 26 13-0028	EA 32,600 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,719.50	515.49
23 81 26 13-0029	EA 39,500 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,254.14	539.78
23 81 26 13-0030	Ductless Split System Accessories (23 81 26 13-0002)		
23 81 26 13-0031	LF 3" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers 23 81 26 13-0032 LF 4" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers 23 81 26 13-0033 LF 6" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers 23 81 26 13-0034 EA 3" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers 23 81 26 13-0035 EA 4" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers 23 81 26 13-0036 EA 6" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers 23 81 26 13-0037 EA 3" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers 23 81 26 13-0038 EA 4" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers 23 81 26 13-0039 EA 6" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers 23 81 26 13-0040 EA 3" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	9.65 12.34 15.31 16.27 27.48 31.27 40.05 65.43 73.02 52.99	1.29 1.42 1.56 2.42 2.66 2.92 4.83 5.31 5.85 5.15

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 13-0041 EA 4" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	62.02	5.68
23 81 26 13-0042 EA 6" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	95.12	6.24
23 81 26 13-0043 EA 3" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	40.05	4.83
23 81 26 13-0044 EA 4" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	65.43	5.31
23 81 26 13-0045 EA 6" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	73.02	5.85
23 81 26 13-0046 EA 3" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	52.81	8.06
23 81 26 13-0047 EA 4" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	76.18	8.86
23 81 26 13-0048 EA 6" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	90.82	9.75
23 81 26 13-0049 EA 2-1/2" Wall Sleeve, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	28.78	1.61
23 81 26 13-0050 EA 3" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	32.57	4.83
23 81 26 13-0051 EA 4" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	51.97	5.31
23 81 26 13-0052 EA 3" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	29.58	4.83
23 81 26 13-0053 EA 4" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	40.01	5.31
23 81 26 13-0054 EA 6" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	43.12	5.85
23 81 26 13-0055 EA 4" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	137.61	6.44
23 81 26 13-0056 EA 6" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	156.01	7.09
23 81 26 13-0057 EA 14" Condensing Unit Mounting Blocks With End Caps.....	94.15	24.17
23 81 26 13-0058 EA 17" Condensing Unit Mounting Blocks With End Caps.....	103.52	25.78
23 81 26 13-0059 EA 36" Condensing Unit Mounting Blocks With End Caps.....	138.30	27.39
23 81 26 13-0060 EA End Cap, Set of 4.....	14.93	
23 81 26 13-0061 EA 18" Condensing Unit Type 2 Wall Bracket, 165 LB Capacity.....	198.88	48.34
23 81 26 13-0062 EA 21" Condensing Unit Type 2 Wall Bracket, 220 LB Capacity.....	211.20	51.56
23 81 26 13-0063 LF 5/8" ID Condensate Drain Line.....	2.05	0.13
23 81 26 13-0064 LF 3/4" ID Condensate Drain Line.....	2.12	0.13
23 81 26 13-0065 Cased A/C Evaporator Coils (23 81 26 13-0001)		
23 81 26 13-0066 Vertical Cased A/C Evaporator Coils (23 81 26 13-0065)		
23 81 26 13-0067 EA 1-1/2 Ton Vertical Cased A/C Evaporator Coil.....	529.90	101.40
23 81 26 13-0068 EA 2 Ton Vertical Cased A/C Evaporator Coil.....	554.26	109.00
23 81 26 13-0069 EA 2-1/2 Ton Vertical Cased A/C Evaporator Coil.....	653.22	116.60
23 81 26 13-0070 EA 3 Ton Vertical Cased A/C Evaporator Coil.....	740.40	124.21
23 81 26 13-0071 EA 3-1/2 Ton Vertical Cased A/C Evaporator Coil.....	849.98	129.28
23 81 26 13-0072 EA 4 Ton Vertical Cased A/C Evaporator Coil.....	943.86	134.35
23 81 26 13-0073 EA 4-1/2 Ton Vertical Cased A/C Evaporator Coil.....	1,013.87	144.49
23 81 26 13-0074 EA 5 Ton Vertical Cased A/C Evaporator Coil.....	1,023.86	152.09
23 81 26 13-0075 "A" Style Horizontal Cased A/C Evaporator Coils (23 81 26 13-0065)		
23 81 26 13-0076 EA 2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	639.65	103.93
23 81 26 13-0077 EA 2-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	731.08	109.76
23 81 26 13-0078 EA 3 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	832.78	116.60
23 81 26 13-0079 EA 3-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	863.14	120.81
23 81 26 13-0080 EA 4 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	903.80	126.74
23 81 26 13-0081 EA 4-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	917.11	133.33
23 81 26 13-0082 EA 5 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	930.16	139.92
23 81 26 13-0083 Slab Style Horizontal Cased A/C Evaporator Coils (23 81 26 13-0065)		
23 81 26 13-0084 EA 2 Ton Slab Style Horizontal Cased A/C Evaporator Coil.....	565.07	103.93
23 81 26 13-0085 EA 3 Ton Slab Style Horizontal Cased A/C Evaporator Coil.....	674.45	116.60
23 81 26 13-0086 EA 4 Ton Slab Style Horizontal Cased A/C Evaporator Coil.....	775.57	126.74
23 81 26 13-0087 EA 5 Ton Slab Style Horizontal Cased A/C Evaporator Coil.....	928.85	139.92
23 81 26 16 Large-Capacity Split-System Air-Conditioners (23 81 26)		
23 81 26 16-0001 Split System Air Conditioners, Variable Refrigerant Flow (Mitsubishi City Multi) (23 81 26 16)		
23 81 26 16-0002 Outdoor Units (23 81 26 16-0001)		
23 81 26 16-0003 EA 6 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P72YKMU-A).....	14,051.17	472.31
23 81 26 16-0004 EA 8 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P96YKMU-A).....	15,226.21	562.27
23 81 26 16-0005 EA 10 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P120YKMU-A).....	17,135.15	674.73
23 81 26 16-0006 EA 12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YKMU-A).....	21,118.05	697.22
23 81 26 16-0007 EA 12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YSKMU-A).....	28,128.81	719.71
23 81 26 16-0008 EA 14 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P168YSKMU-A).....	29,168.91	742.20
23 81 26 16-0009 EA 16 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P192YSKMU-A).....	30,209.00	764.68
23 81 26 16-0010 EA 18 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P216YSKMU-A).....	31,983.00	809.66
23 81 26 16-0011 EA 20 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P240YSKMU-A).....	33,757.00	854.65
23 81 26 16-0012 EA 22 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P264YSKMU-A).....	37,784.89	899.63
23 81 26 16-0013 EA 24 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P288YSKMU-A).....	41,812.77	944.61
23 81 26 16-0014 Indoor Units (23 81 26 16-0001)		
23 81 26 16-0015 EA 6 MBH Cooling, 6.7 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P06NBMU-E2).....	1,440.59	146.19
23 81 26 16-0016 EA 8 MBH Cooling, 9 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P08NHMU-E2).....	1,514.11	157.44
23 81 26 16-0017 EA 12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P12NHMU-E2).....	1,579.12	168.68
23 81 26 16-0018 EA 15 MBH Cooling, 17 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P15NHMU-E2).....	1,656.91	179.93
23 81 26 16-0019 EA 18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P18NHMU-E2).....	1,792.42	213.66

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Decentralized Unitary HVAC Equipment

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Decentralized Unitary HVAC Equipment

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0020 EA 24 MBH Cooling, 27 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P24NKMU-E2)	1,998.90	258.64
23 81 26 16-0021 EA 30 MBH Cooling, 34 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P30NKMU-E2)	2,165.51	281.13
23 81 26 16-0022 EA 6 MBH Cooling, 6.7 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P06NMAU-E3)	2,094.95	160.81
23 81 26 16-0023 EA 8 MBH Cooling, 9 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P08NMAU-E3)	2,166.47	173.18
23 81 26 16-0024 EA 12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P12NMAU-E3)	2,284.78	185.55
23 81 26 16-0025 EA 15 MBH Cooling, 17 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P15NMAU-E3)	2,479.62	197.92
23 81 26 16-0026 EA 18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P18NMAU-E3)	2,613.38	235.03
23 81 26 16-0027 EA 24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P24NMAU-E3)	2,865.42	284.51
23 81 26 16-0028 EA 27 MBH Cooling, 30 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P27NMAU-E3)	3,013.50	296.88
23 81 26 16-0029 EA 30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P30NMAU-E3)	3,178.57	309.25
23 81 26 16-0030 EA 36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P36NMAU-E3)	3,525.35	340.17
23 81 26 16-0031 EA 48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P48NMAU-E3)	3,908.07	374.19
23 81 26 16-0032 EA 54 MBH Cooling, 60 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P54NMAU-E3)	4,229.56	411.61
23 81 26 16-0033 EA 72 MBH Cooling, 80 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P72NMHSU-E)	5,370.78	452.77
23 81 26 16-0034 EA 96 MBH Cooling, 108 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P96NMHSU-E)	6,099.24	498.05
23 81 26 16-0035 EA 12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP12NEMU-E)	2,380.89	185.55
23 81 26 16-0036 EA 15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP15NEMU-E)	2,510.24	197.92
23 81 26 16-0037 EA 18 MBH Cooling, 20 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP18NEMU-E)	2,646.55	235.03
23 81 26 16-0038 EA 24 MBH Cooling, 27 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP24NEMU-E)	2,964.08	284.51
23 81 26 16-0039 EA 30 MBH Cooling, 34 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP30NEMU-E)	3,193.03	309.25
23 81 26 16-0040 EA 36 MBH Cooling, 40 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP36NEMU-E)	3,912.34	340.18
23 81 26 16-0041 EA 6 MBH Cooling, 6.7 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P06NBMU-ER5)	2,141.73	160.81
23 81 26 16-0042 EA 8 MBH Cooling, 9 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P08NBMU-ER5)	2,251.52	173.18
23 81 26 16-0043 EA 12 MBH Cooling, 13.5 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P12NBMU-ER5)	2,420.86	185.55
23 81 26 16-0044 EA 15 MBH Cooling, 17 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P15NBMU-ER5)	2,547.66	197.92
23 81 26 16-0045 EA 8 MBH Cooling, 9 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P08NCMU-ER4)	1,979.35	173.18
23 81 26 16-0046 EA 12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NCMU-ER4)	2,080.65	185.55
23 81 26 16-0047 EA 15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NCMU-ER4)	2,186.19	197.92
23 81 26 16-0048 Controllers For Outdoor Units (23 81 26 16-0001)		
23 81 26 16-0049 EA 8 Branch (Main BC) (Mitsubishi CMB-P108NU-HA1)	7,626.91	134.95
23 81 26 16-0050 EA 10 Branch (Main BC) (Mitsubishi CMB-P1010NU-HA1)	8,820.10	157.44
23 81 26 16-0051 EA 13 Branch (Main BC) (Mitsubishi CMB-P1013NU-GA)	9,745.38	179.93
23 81 26 16-0052 EA 16 Branch (Main BC) (Mitsubishi CMB-P1016NU-HA)	11,567.95	202.42
23 81 26 16-0053 EA 4 Branch (Sub BC) (Mitsubishi CMB-P104NU-GB)	4,249.68	89.96
23 81 26 16-0054 EA 8 Branch (Sub BC) (Mitsubishi CMB-P108NU-HB)	6,546.75	134.95
23 81 26 16-0055 EA 16 Branch (Sub BC) (Mitsubishi CMB-P1016NU-HB)	10,007.24	202.42
23 81 26 16-0056 Energy Recovery Units (23 81 26 16-0001)		
23 81 26 16-0057 EA 36.2 MBH Cooling, 39.9 MBH Heating Hydronic Heat Exchanger Auxiliary Unit (Mitsubishi PWFY-P36NNU-E2-AU)	5,390.04	134.95
23 81 26 16-0058 EA 39.9 MBH Hydronic Heat Exchanger Booster Unit (Mitsubishi PWFY-P36NNU-E-BU)	10,221.01	134.95
23 81 26 16-0059 EA 112 MBH Cooling, 61.4 MBH Heating Reheat Unit (Mitsubishi PEFY-AF1200CFMR)	10,363.80	157.44
23 81 26 16-0060 EA Lossnay Energy Recovery Ventilator ERV, 300 CFM (Mitsubishi LGH-F300RX5-E)	2,138.59	112.45
23 81 26 16-0061 EA Lossnay Energy Recovery Ventilator ERV, 470 CFM (Mitsubishi LGH-F470RX5-E)	2,730.18	116.95
23 81 26 16-0062 EA Lossnay Energy Recovery Ventilator ERV, 600 CFM (Mitsubishi LGH-F600RX5-E)	3,258.00	121.46
23 81 26 16-0063 EA Lossnay Energy Recovery Ventilator ERV, 1,200 CFM (Mitsubishi LGH-F1200RX5-E1)	5,955.63	134.95
23 81 26 16-0064 Piping Specialties (23 81 26 16-0001)		
23 81 26 16-0065 EA Maintenance Tool Interface (Mitsubishi CMS-MNG-E)	756.97	
23 81 26 16-0066 EA Branch Joint (Mitsubishi CMY-Y102SS-G2)	203.59	38.51
23 81 26 16-0067 EA Branch Joint (Mitsubishi CMY-Y102LS-G2)	203.59	38.51
23 81 26 16-0068 EA Branch Joint (Mitsubishi CMY-Y202S-G2)	225.66	40.54
23 81 26 16-0069 EA Branch Joint (Mitsubishi CMY-Y302S-G2)	282.58	45.61
23 81 26 16-0070 EA Header - 4 Branch (Mitsubishi CMY-Y64-G-E)	369.90	65.87
23 81 26 16-0071 EA Header - 8 Branch (Mitsubishi CMY-Y68-G-E)	629.22	131.75
23 81 26 16-0072 EA Refrigeration Ball Valve-Flare/Schrader/Insulated - 3/8" (Mitsubishi BV38FFSI)	113.23	16.22
23 81 26 16-0073 EA Refrigeration Ball Valve-Flare/Schrader/Insulated - 5/8" (Mitsubishi BV58FFSI)	127.94	22.29
23 81 26 16-0074 Split System Air Conditioners (Daikin VRV) (23 81 26 16)		
23 81 26 16-0075 Heat Pump Outdoor Units (23 81 26 16-0074)		
23 81 26 16-0076 EA 6 Ton Heat Pump Outdoor Unit (Daikin RXYQ72PBTJ)	16,378.05	472.31
23 81 26 16-0077 EA 8 Ton Heat Pump Outdoor Unit (Daikin RXYQ96PBTJ)	18,317.94	562.27
23 81 26 16-0078 EA 10 Ton Heat Pump Outdoor Unit (Daikin RXYQ120PBTJ)	20,438.18	674.73

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0079 EA 12 Ton Heat Pump Outdoor Unit (Daikin RXYQ144PBTJ).....	25,492.26	697.22
23 81 26 16-0080 EA 14 Ton Heat Pump Outdoor Unit (Daikin RXYQ168PBTJ).....	34,111.23	742.20
23 81 26 16-0081 EA 16 Ton Heat Pump Outdoor Unit (Daikin RXYQ192PBTJ).....	36,051.55	764.68
23 81 26 16-0082 EA 18 Ton Heat Pump Outdoor Unit (Daikin RXYQ216PBTJ).....	37,901.47	809.66
23 81 26 16-0083 EA 20 Ton Heat Pump Outdoor Unit (Daikin RXYQ240PBTJ).....	39,886.76	854.65
23 81 26 16-0084 EA 22 Ton Heat Pump Outdoor Unit (Daikin RXYQ264PBTJ).....	51,619.51	899.63
23 81 26 16-0085 EA 24 Ton Heat Pump Outdoor Unit (Daikin RXYQ288PBTJ).....	53,604.80	944.61
23 81 26 16-0086 EA 26 Ton Heat Pump Outdoor Unit (Daikin RXYQ312PBTJ).....	55,590.10	989.59
23 81 26 16-0087 EA 28 Ton Heat Pump Outdoor Unit (Daikin RXYQ336PBTJ).....	57,440.02	1,034.57
23 81 26 16-0088 EA 30 Ton Heat Pump Outdoor Unit (Daikin RXYQ360PBTJ).....	59,425.32	1,079.56
23 81 26 16-0089 Heat Recovery Heat Pump Outdoor Units (23 81 26 16-0074)		
23 81 26 16-0090 EA 6 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ72PBTJ).....	20,977.03	614.00
23 81 26 16-0091 EA 8 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ96PBTJ).....	22,895.53	730.95
23 81 26 16-0092 EA 10 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ120PBTJ).....	25,175.21	877.14
23 81 26 16-0093 EA 12 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ144PBTJ).....	31,596.60	906.38
23 81 26 16-0094 EA 14 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ168PBTJ).....	42,679.42	964.85
23 81 26 16-0095 EA 16 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ192PBTJ).....	45,987.03	994.09
23 81 26 16-0096 EA 18 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ216PBTJ).....	47,728.56	1,052.56
23 81 26 16-0097 EA 20 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ240PBTJ).....	49,470.09	1,111.05
23 81 26 16-0098 EA 22 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ264PBTJ).....	65,088.17	1,169.52
23 81 26 16-0099 EA 24 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ288PBTJ).....	66,829.69	1,228.00
23 81 26 16-0100 EA 26 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ312PBTJ).....	70,195.80	1,286.47
23 81 26 16-0101 EA 28 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ336PBTJ).....	71,937.32	1,344.95
23 81 26 16-0102 Indoor Units (23 81 26 16-0074)		
23 81 26 16-0103 EA 7.5 MBH Cooling, 8.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ07PVJU).....	1,898.57	157.44
23 81 26 16-0104 EA 9.5 MBH Cooling, 10.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ09PVJU).....	1,982.92	161.94
23 81 26 16-0105 EA 12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ12PVJU).....	2,240.36	168.68
23 81 26 16-0106 EA 18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ18PVJU).....	2,516.80	213.66
23 81 26 16-0107 EA 24 MBH Cooling, 26.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ24PVJU).....	2,767.68	258.64
23 81 26 16-0108 EA 7.5 MBH Cooling, 8.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ07PVJU).....	2,767.88	173.18
23 81 26 16-0109 EA 9.5 MBH Cooling, 10.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ09PVJU).....	2,860.80	178.13
23 81 26 16-0110 EA 12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ12PVJU).....	3,004.65	98.96
23 81 26 16-0111 EA 18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ18PVJU).....	3,199.39	235.03
23 81 26 16-0112 EA 24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ24PVJU).....	3,792.61	284.51
23 81 26 16-0113 EA 30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ30PVJU).....	4,333.82	309.25
23 81 26 16-0114 EA 36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ36PVJU).....	4,633.22	340.17
23 81 26 16-0115 EA 48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ48PVJU).....	4,797.04	374.19
23 81 26 16-0116 EA 7.5 MBH Cooling, 8.7 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ07M7VJU).....	3,092.29	173.18
23 81 26 16-0117 EA 9.5 MBH Cooling, 11.1 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ09M7VJU).....	3,166.05	178.13
23 81 26 16-0118 EA 12 MBH Cooling, 14 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ12M7VJU).....	3,366.09	185.55
23 81 26 16-0119 EA 18 MBH Cooling, 21 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ18M7VJU).....	3,599.15	235.03
23 81 26 16-0120 Branch Selector Boxes (23 81 26 16-0074)		
23 81 26 16-0121 EA 144 MBH, 4 Branch, Multi Port Branch Selector Box (Daikin BSV4Q36PVJU).....	9,339.99	202.42
23 81 26 16-0122 EA 216 MBH, 6 Branch, Multi Port Branch Selector Box (Daikin BSV6Q36PVJU).....	13,807.13	269.89
23 81 26 16-0123 EA 36 MBH, 4 Branch, Single Port Branch Selector Box (Daikin BSVQ36PVJU).....	1,853.04	89.96
23 81 26 16-0124 EA 60 MBH, 8 Branch, Single Port Branch Selector Box (Daikin BSVQ60PVJU).....	2,501.12	134.95
23 81 26 16-0125 EA 96 MBH, 8 Branch, Single Port Branch Selector Box (Daikin BSVQ96PVJU).....	3,112.46	202.42
23 81 26 16-0126 Controllers (23 81 26 16-0074)		
23 81 26 16-0127 EA Up To 16 Units, Navigation Controller (Daikin BRC1E71).....	595.01	17.99
23 81 26 16-0128 EA Individual Zone Controller (Daikin BRC2A71).....	436.64	17.99
23 81 26 16-0129 EA Up To 16 Groups, Unified ON/OFF Controller (Daikin DCS301C71).....	823.63	17.99
23 81 26 16-0130 EA Up To 64 Units, Multizone Controller (Daikin DCS302C71).....	1,144.20	17.99
23 81 26 16-0131 EA I-Touch Manager Replaced Both Daikin IMP-128 thru 1024 and DCS601C71 (Daikin DCM601A71).....	10,716.23	215.91
23 81 26 16-0132 EA I-Touch Manager D3net Plus Adapter (Daikin DCM601A72).....	1,967.98	17.99
23 81 26 16-0133 EA 24 Volt AC, Wired Thermostat For Split A/C Systems (Daikin DACA-TS1-1).....	436.61	31.74
23 81 26 16-0134 Energy Recovery Units (23 81 26 16-0074)		
23 81 26 16-0135 EA 300 CFM Energy Recovery Unit (Daikin VAM300GVJU).....	3,237.78	112.45
23 81 26 16-0136 EA 470 CFM Energy Recovery Unit (Daikin VAM470GVJU).....	4,194.44	116.95
23 81 26 16-0137 EA 600 CFM Energy Recovery Unit (Daikin VAM600GVJU).....	5,015.72	121.46
23 81 26 16-0138 EA 1,200 CFM Energy Recovery Unit (Daikin VAM1200GVJU).....	9,340.42	134.95

23 81 43 Air-Source Unitary Heat Pumps (23 81)**23 81 43 00-0001 Single Package Thru-Wall Heat Pumps (23 81 43)**

Note: Air-to-air type with electric heat. Includes throwaway filters. Through the wall units are wired for 230/208 V, 1 phase, 60 HZ. With electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls all mounted in a steel cabinet, wall sleeve and outdoor grille. Excludes crane and associated personnel. See CSI section 01 22 23 00-0841 for crane lifting equipment.



Heating, Ventilating, and Air-Conditioning (HVAC)			23
Decentralized Unitary HVAC Equipment			23 80
Decentralized Unitary HVAC Equipment			23 81

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MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
23 81 43 00-0002	EA	1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	1,838.01	146.13
		For Unit Economizer, Add	246.02	
		For >35 To 70, Deduct	-46.66	
		For >70 To 100, Deduct	-77.77	
		For >100, Deduct	-108.88	
		For Low Ambient Protection, 0 Degree F, Add	210.62	
23 81 43 00-0003	EA	1 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	2,030.33	155.88
		For Unit Economizer, Add	272.17	
		For >35 To 70, Deduct	-51.85	
		For >70 To 100, Deduct	-86.42	
		For >100, Deduct	-120.98	
		For Low Ambient Protection, 0 Degree F, Add	231.05	
23 81 43 00-0004	EA	1-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	3,482.13	155.88
		For Unit Economizer, Add	473.42	
		For >35 To 70, Deduct	-95.40	
		For >70 To 100, Deduct	-159.01	
		For >100, Deduct	-222.61	
		For Low Ambient Protection, 0 Degree F, Add	361.71	
23 81 43 00-0005	EA	2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	3,812.70	155.88
		For Unit Economizer, Add	520.92	
		For >35 To 70, Deduct	-104.74	
		For >70 To 100, Deduct	-174.56	
		For >100, Deduct	-244.38	
		For Low Ambient Protection, 0 Degree F, Add	185.11	
23 81 43 00-0006	EA	2-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	4,316.12	165.62
		For Unit Economizer, Add	590.62	
		For >35 To 70, Deduct	-119.25	
		For >70 To 100, Deduct	-198.76	
		For >100, Deduct	-278.26	
		For Low Ambient Protection, 0 Degree F, Add	204.50	
23 81 43 00-0007	EA	3 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	4,523.52	175.36
		For Unit Economizer, Add	619.65	
		For >35 To 70, Deduct	-125.48	
		For >70 To 100, Deduct	-209.13	
		For >100, Deduct	-292.78	
		For Low Ambient Protection, 0 Degree F, Add	628.98	
23 81 43 00-0008	EA	3-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	5,096.08	175.36
		For Unit Economizer, Add	699.03	
		For >35 To 70, Deduct	-142.07	
		For >70 To 100, Deduct	-236.78	
		For >100, Deduct	-331.49	
		For Low Ambient Protection, 0 Degree F, Add	705.75	
23 81 43 00-0009	EA	4 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	5,624.31	185.10
		For Unit Economizer, Add	772.60	
		For >35 To 70, Deduct	-157.62	
		For >70 To 100, Deduct	-262.71	
		For >100, Deduct	-367.79	
		For Low Ambient Protection, 0 Degree F, Add	775.59	
23 81 43 00-0010	EA	5 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	6,477.78	214.33
		For Unit Economizer, Add	889.74	
		For >35 To 70, Deduct	-181.47	
		For >70 To 100, Deduct	-302.46	
		For >100, Deduct	-423.44	
		For Low Ambient Protection, 0 Degree F, Add	893.55	
23 81 43 00-0011	EA	7-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	11,888.71	253.29
		For Unit Economizer, Add	1,643.77	
		For >35 To 70, Deduct	-341.17	
		For >70 To 100, Deduct	-568.62	
		For >100, Deduct	-796.07	
		For Low Ambient Protection, 0 Degree F, Add	1,607.49	
23 81 43 00-0012	EA	10 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	15,308.91	321.49
		For Unit Economizer, Add	2,117.14	
		For >35 To 70, Deduct	-439.69	
		For >70 To 100, Deduct	-732.81	
		For >100, Deduct	-1,025.93	
		For Low Ambient Protection, 0 Degree F, Add	309.74	
23 81 43 00-0013	EA	12-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	18,695.49	360.47
		For Unit Economizer, Add	2,588.53	
		For >35 To 70, Deduct	-539.24	
		For >70 To 100, Deduct	-898.73	
		For >100, Deduct	-1,258.22	
		For Low Ambient Protection, 0 Degree F, Add	359.98	
23 81 43 00-0014	EA	15 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	23,069.42	409.17
		For Unit Economizer, Add	3,197.37	
		For >35 To 70, Deduct	-667.82	
		For >70 To 100, Deduct	-1,113.04	
		For >100, Deduct	-1,558.26	
		For Low Ambient Protection, 0 Degree F, Add	424.76	
23 81 43 00-0015	EA	20 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	30,742.23	438.40
		For Unit Economizer, Add	4,268.84	
		For >35 To 70, Deduct	-895.96	
		For >70 To 100, Deduct	-1,493.27	
		For >100, Deduct	-2,090.58	
		For Low Ambient Protection, 0 Degree F, Add	517.85	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0016 EA 25 Ton Single Package Heat Pump, Air To Air Type With Electric Heat <i>For Unit Economizer, Add</i> <i>For >35 To 70, Deduct</i> <i>For >70 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Low Ambient Protection, 0 Degree F, Add</i>	37,042.14 5,147.71 -1,082.62 -1,804.37 -2,526.12 599.56	477.37
23 81 43 00-0017 Single Package Vertical Wall Heat Pumps (23 81 43) Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 V, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0841 for crane lifting equipment.		
23 81 43 00-0018 EA 1/2 Ton Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	2,825.79	194.85
23 81 43 00-0019 EA 1 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	3,433.09	214.33
23 81 43 00-0020 EA 1-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	4,445.36	224.08
23 81 43 00-0021 EA 2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	5,098.28	243.55
23 81 43 00-0022 EA 2-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	6,377.99	282.52
23 81 43 00-0023 EA 3 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	6,811.94	321.49
23 81 43 00-0024 EA 3-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	7,396.01	360.47
23 81 43 00-0025 EA 4 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	8,323.03	399.43
23 81 43 00-0026 EA 5 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	9,380.25	477.37
23 81 43 00-0027 Heat Pump, Room Air-Conditioners (23 81 43) Note: Includes throwaway filters and supplemental heat.		
23 81 43 00-0028 Heat Pump, Window Unit, Room Air-Conditioners (23 81 43 00-0027)		
23 81 43 00-0029 Heat Pump, Window Unit, Room Air-Conditioners (Friedrich) (23 81 43 00-0028)		
23 81 43 00-0030 EA 10,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS10N10C).....	1,632.64	94.46
<i>For >10 To 50, Deduct</i>	-72.19	
<i>For >50 To 75, Deduct</i>	-101.06	
<i>For >75 To 100, Deduct</i>	-144.37	
<i>For >100, Deduct</i>	-173.25	
23 81 43 00-0031 EA 12,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS12N33C).....	1,840.70	94.46
<i>For >10 To 50, Deduct</i>	-82.59	
<i>For >50 To 75, Deduct</i>	-115.62	
<i>For >75 To 100, Deduct</i>	-165.18	
<i>For >100, Deduct</i>	-198.21	
23 81 43 00-0032 EA 17,500 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich KHM18A34A).....	2,152.79	94.46
<i>For >10 To 50, Deduct</i>	-98.19	
<i>For >50 To 75, Deduct</i>	-137.47	
<i>For >75 To 100, Deduct</i>	-196.39	
<i>For >100, Deduct</i>	-235.66	
23 81 43 00-0033 EA 24,000 BTU, 10.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YL24N35D).....	2,499.56	94.46
<i>For >10 To 50, Deduct</i>	-115.53	
<i>For >50 To 75, Deduct</i>	-161.74	
<i>For >75 To 100, Deduct</i>	-231.06	
<i>For >100, Deduct</i>	-277.28	
23 81 43 00-0034 Heat Pump, Through-The-Wall, Room Air-Conditioners (23 81 43 00-0027) Note: Base unit excludes wall sleeve.		
23 81 43 00-0035 Heat Pump, Through-The-Wall, Room Air-Conditioners (Friedrich) (23 81 43 00-0034)		
23 81 43 00-0036 EA 9,300 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY09C33D)	1,636.46	67.47
<i>For >10 To 50, Deduct</i>	-75.08	
<i>For >50 To 75, Deduct</i>	-105.11	
<i>For >75 To 100, Deduct</i>	-150.15	
<i>For >100, Deduct</i>	-180.18	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	260.92	
23 81 43 00-0037 EA 11,300 BTU, 9.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY12D33A).....	1,636.46	67.47
<i>For >10 To 50, Deduct</i>	-75.08	
<i>For >50 To 75, Deduct</i>	-105.11	
<i>For >75 To 100, Deduct</i>	-150.15	
<i>For >100, Deduct</i>	-180.18	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	260.92	
23 81 46 Water-Source Unitary Heat Pumps (23 81)		
23 81 46 00-0001 Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pumps (23 81 46) Note: R410a. Includes rubber isolator hanger brackets. McQuay CCW Series.		
23 81 46 00-0002 EA 7 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,307.71	202.79
23 81 46 00-0003 EA 9 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,377.59	202.79
23 81 46 00-0004 EA 12 MBH, 400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,742.66	223.07
23 81 46 00-0005 EA 19 MBH, 630 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,893.47	243.34
23 81 46 00-0006 EA 24 MBH, 800 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	3,104.83	263.62
23 81 46 00-0007 EA 30 MBH, 1,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	3,642.27	283.90



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
Decentralized Unitary HVAC Equipment			23 80	
Decentralized Unitary HVAC Equipment			23 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 46 00-0008 EA 36 MBH, 1,200 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	3,729.41	304.18
23 81 46 00-0009 EA 42 MBH, 1,400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	4,064.99	324.46
23 81 46 00-0010 EA 48 MBH, 1,600 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	4,338.46	344.74
23 81 46 00-0011 EA 60 MBH, 2,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	4,417.84	365.02
23 81 49 Split System Heat Pumps (23 81)		
23 81 49 00-0001 Split System Heat Pump (23 81 49) See CSI section 23 23 16 00-0001 for piping.		
23 81 49 00-0002 Air Cooled, Outdoor Section (23 81 49 00-0001)		
23 81 49 00-0003 EA 1.5 Ton, 14 SEER, Outdoor Heat Pump Unit	3,258.29	289.34
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For Low Ambient Protection, 0 Degree F, Add	588.98	
For Winterstart Control, Add	156.64	
For 16 SEER, Add	817.77	
For 18 SEER, Add	1,240.75	
23 81 49 00-0004 EA 2 Ton, 14 SEER, Outdoor Heat Pump Unit	3,361.96	321.49
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For Low Ambient Protection, 0 Degree F, Add	610.50	
For Winterstart Control, Add	163.71	
For 16 SEER, Add	833.71	
For 18 SEER, Add	1,264.93	
23 81 49 00-0005 EA 2.5 Ton, 14 SEER, Outdoor Heat Pump Unit	3,674.88	373.12
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For Low Ambient Protection, 0 Degree F, Add	669.93	
For Winterstart Control, Add	180.90	
For 16 SEER, Add	901.85	
For 18 SEER, Add	1,368.33	
23 81 49 00-0006 EA 3 Ton, 14 SEER, Outdoor Heat Pump Unit	4,013.29	428.65
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For Low Ambient Protection, 0 Degree F, Add	566.03	
For Winterstart Control, Add	199.50	
For 16 SEER, Add	975.50	
For 18 SEER, Add	1,480.06	
23 81 49 00-0007 EA 3.5 Ton, 14 SEER, Outdoor Heat Pump Unit	4,140.56	445.22
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For Low Ambient Protection, 0 Degree F, Add	584.54	
For Winterstart Control, Add	206.09	
For 16 SEER, Add	1,005.17	
For 18 SEER, Add	1,525.09	
23 81 49 00-0008 EA 4 Ton, 14 SEER, Outdoor Heat Pump Unit	4,598.54	511.47
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For Low Ambient Protection, 0 Degree F, Add	646.81	
For Winterstart Control, Add	227.78	
For 16 SEER, Add	1,121.69	
For 18 SEER, Add	1,701.87	
23 81 49 00-0009 EA 5 Ton, 14 SEER, Outdoor Heat Pump Unit	5,234.45	562.61
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For Low Ambient Protection, 0 Degree F, Add	422.47	
For Winterstart Control, Add	124.68	
For 16 SEER, Add	1,284.91	
For 18 SEER, Add	1,949.52	
23 81 49 00-0010 EA 7.5 Ton, 11.5 EER, Outdoor Heat Pump Unit	6,249.12	629.75
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For Low Ambient Protection, 0 Degree F, Add	492.38	
For Winterstart Control, Add	143.46	
23 81 49 00-0011 EA 10 Ton, 11.1 EER, Outdoor Heat Pump Unit	8,654.35	755.69
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For Low Ambient Protection, 0 Degree F, Add	350.92	
For Winterstart Control, Add	183.86	
23 81 49 00-0012 EA 15 Ton, 10.9 EER, Outdoor Heat Pump Unit	11,393.45	881.64
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For Low Ambient Protection, 0 Degree F, Add	394.72	
For Winterstart Control, Add	227.02	
23 81 49 00-0013 EA 20 Ton, 10.3 EER, Outdoor Heat Pump Unit	20,528.43	944.61
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For Low Ambient Protection, 0 Degree F, Add	417.89	
For Winterstart Control, Add	326.71	
23 81 49 00-0014 Indoor Section, Horizontal Upflow (23 81 49 00-0001)		
Note: Electric heat. Includes throwaway filters.		
23 81 49 00-0015 EA 2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,078.71	96.26
For Additional 5 KW Electric Heat, Add	98.20	
23 81 49 00-0016 EA 2-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,187.71	119.92
For Additional 5 KW Electric Heat, Add	106.78	
23 81 49 00-0017 EA 3 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,238.01	144.84
For Additional 5 KW Electric Heat, Add	109.29	
23 81 49 00-0018 EA 3-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,671.35	169.59
For Additional 5 KW Electric Heat, Add	150.16	
23 81 49 00-0019 EA 4 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	1,714.69	191.17
For Additional 5 KW Electric Heat, Add	152.33	
23 81 49 00-0020 EA 5 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	1,901.25	219.51
For Additional 5 KW Electric Heat, Add	168.18	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0021 EA 7-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat..... <i>For Additional 5 KW Electric Heat, Add</i>	4,068.35 370.85	359.86
23 81 49 00-0022 EA 10 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	6,011.29 560.65	404.84
23 81 49 00-0023 EA 15 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15KW Electric Heat..... <i>For Additional 5 KW Electric Heat, Add</i>	8,445.61 799.58	449.82
23 81 49 00-0024 EA 20 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat..... <i>For Additional 5 KW Electric Heat, Add</i>	9,596.02 905.62	539.78
23 81 49 00-0025 Ductless Split System Heat Pumps (23 81 49 00-0001) Note: Excludes refrigerant piping, electrical, and pad. Sanyo units or equal. See CSI section 23 81 26 13-0030 for accessories.		
23 81 49 00-0026 Wall Mounted Ductless Split System Heat Pumps (23 81 49 00-0025)		
23 81 49 00-0027 EA 9,000 BTU Cooling, 12,200 BTU Heating, 16 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,146.31	296.88
23 81 49 00-0028 EA 11,900 BTU Cooling, 13,300 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,370.59	323.86
23 81 49 00-0029 EA 17,500 BTU Cooling, 20,400 BTU Heating, 20 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,900.15	359.86
23 81 49 00-0030 EA 24,200 BTU Cooling, 29,000 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,341.46	395.84
23 81 49 00-0031 EA 25,200 BTU Cooling, 29,200 BTU Heating, 14.9 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,774.23	431.83
23 81 49 00-0032 EA 29,800 BTU Cooling, 34,800 BTU Heating, 15 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,545.03	449.82
23 81 49 00-0033 EA 31,400 BTU Cooling, 36,400 BTU Heating, 15.9 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,086.38	479.50
23 81 49 00-0034 Dual and Tri Zone Wall Mounted Ductless Split System Heat Pumps (23 81 49 00-0025) Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 49 00-0035 EA 7,500 BTU Cooling, 8,500 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	884.52	143.95
23 81 49 00-0036 EA 9,000 BTU Cooling, 12,200 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	932.72	152.94
23 81 49 00-0037 EA 11,900 BTU Cooling, 14,300 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	981.77	161.94
23 81 49 00-0038 EA 17,500 BTU Cooling, 20,400 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	1,120.81	170.93
23 81 49 00-0039 EA 24,200 BTU Cooling, 29,000 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	1,194.72	179.93
23 81 49 00-0040 EA 19,700 BTU Cooling, 24,800 BTU Heating, 16.4 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes outdoor unit and refrigerant charge.	2,708.90	215.91
23 81 49 00-0041 EA 23,200 BTU Cooling, 29,200 BTU Heating, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes outdoor unit and refrigerant charge.	3,216.62	233.90
23 81 49 00-0042 EA 30,600 BTU Cooling, 32,000 BTU Heating, 17.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes outdoor unit and refrigerant charge.	5,255.68	251.90
23 81 49 00-0043 Suspended Ceiling Mounted Ductless Split System Heat Pumps (23 81 49 00-0025) Note: Excludes hangers.		
23 81 49 00-0044 EA 24,400 BTU Cooling, 30,800 BTU Heating, 14.5 SEER, Ceiling Suspended Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,111.86	431.83
23 81 49 00-0045 EA 31,200 BTU Cooling, 37,400 BTU Heating, 15.1 SEER, Ceiling Suspended Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,203.67	515.49
23 81 49 00-0046 EA 39,000 BTU Cooling, 44,500 BTU Heating, 15.6 SEER, Ceiling Suspended Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,511.22	539.78
23 81 49 00-0047 Recessed Ceiling Mounted Ductless Split System Heat Pumps (23 81 49 00-0025) Note: Excludes hangers.		
23 81 49 00-0048 EA 11,900 BTU Cooling, 13,600 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,370.60	359.86
23 81 49 00-0049 EA 17,500 BTU Cooling, 20,400 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,823.91	395.84
23 81 49 00-0050 EA 24,800 BTU Cooling, 29,800 BTU Heating, 14.1 SEER, Ceiling Recessed Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,073.28	467.81
23 81 49 00-0051 EA 32,600 BTU Cooling, 37,600 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,860.90	515.49
23 81 49 00-0052 EA 39,500 BTU Cooling, 48,000 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,339.84	539.78

23 82 Convection Heating and Cooling Units (23 80)**23 82 16 Air Coils** (23 82)**23 82 16 11 Hydronic Air Coils** (23 82 16)

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Decentralized Unitary HVAC Equipment

23 80

Convection Heating and Cooling Units

23 82

23

MINOR				TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION				UNIT COST		UNIT COST	
23 82 16 11-0001 Chilled Water Cooling Coils (23 82 16 11)							
Note: Flanged construction, 16 gauge galvanized steel casing.							
23 82 16 11-0002 2 Row Chilled Water Cooling Coils (23 82 16 11-0001)							
23 82 16 11-0003	EA	12" x 12" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	707.22		50.70		
23 82 16 11-0004	EA	12" x 24" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,148.74		68.95		
23 82 16 11-0005	EA	24" x 30" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,572.44		108.49		
23 82 16 11-0006	EA	24" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,943.39		155.13		
23 82 16 11-0007	EA	30" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,107.94		190.62		
23 82 16 11-0008	EA	30" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,388.21		231.18		
23 82 16 11-0009	EA	30" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,594.46		267.68		
23 82 16 11-0010	EA	30" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,846.14		472.90		
23 82 16 11-0011	EA	34" x 32" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,630.92		179.77		
23 82 16 11-0012	EA	34" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,182.07		306.11		
23 82 16 11-0013	EA	34" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,455.41		380.23		
23 82 16 11-0014	EA	34" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,775.78		459.21		
23 82 16 11-0015	EA	34" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,070.28		534.75		
23 82 16 11-0016 4 Row Chilled Water Cooling Coils (23 82 16 11-0001)							
23 82 16 11-0017	EA	12" x 12" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	890.53		105.45		
23 82 16 11-0018	EA	12" x 24" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,412.16		152.09		
23 82 16 11-0019	EA	24" x 30" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,978.76		253.49		
23 82 16 11-0020	EA	24" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,494.56		376.17		
23 82 16 11-0021	EA	30" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,914.35		461.35		
23 82 16 11-0022	EA	30" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,481.46		563.75		
23 82 16 11-0023	EA	30" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,933.20		676.29		
23 82 16 11-0024	EA	30" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,988.87		787.22		
23 82 16 11-0025	EA	34" x 32" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,332.37		339.77		
23 82 16 11-0026	EA	34" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,062.86		511.03		
23 82 16 11-0027	EA	34" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,443.70		633.71		
23 82 16 11-0028	EA	34" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,941.58		763.50		
23 82 16 11-0029	EA	34" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,386.04		892.57		
23 82 16 11-0030 6 Row Chilled Water Cooling Coils (23 82 16 11-0001)							
23 82 16 11-0031	EA	12" x 12" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,240.48		133.84		
23 82 16 11-0032	EA	12" x 24" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,507.12		198.73		
23 82 16 11-0033	EA	24" x 30" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,125.11		338.65		
23 82 16 11-0034	EA	24" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,938.59		506.97		
23 82 16 11-0035	EA	30" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,826.07		633.71		
23 82 16 11-0036	EA	30" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,412.91		779.72		
23 82 16 11-0037	EA	30" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,149.39		921.66		
23 82 16 11-0038	EA	30" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,119.81		1,074.06		
23 82 16 11-0039	EA	34" x 32" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,962.70		464.28		
23 82 16 11-0040	EA	34" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,904.43		696.37		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0041	EA	34" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,495.10	871.98
23 82 16 11-0042	EA	34" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,066.68	1,047.50
23 82 16 11-0043	EA	34" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,638.49	1,218.65
23 82 16 11-0044 8 Row Chilled Water Cooling Coils (23 82 16 11-0001)				
23 82 16 11-0045	EA	12" x 12" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,544.60	161.21
23 82 16 11-0046	EA	12" x 24" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,943.75	247.40
23 82 16 11-0047	EA	24" x 30" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,976.15	441.06
23 82 16 11-0048	EA	24" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,046.42	676.29
23 82 16 11-0049	EA	30" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,893.87	845.63
23 82 16 11-0050	EA	30" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,718.68	1,013.94
23 82 16 11-0051	EA	30" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,532.71	1,126.49
23 82 16 11-0052	EA	30" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,956.33	1,306.66
23 82 16 11-0053	EA	34" x 32" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,420.11	565.78
23 82 16 11-0054	EA	34" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,526.85	850.60
23 82 16 11-0055	EA	34" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,214.27	1,059.56
23 82 16 11-0056	EA	34" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,878.09	1,267.42
23 82 16 11-0057	EA	34" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,583.48	1,491.09
23 82 16 11-0058 Hot Water Heating Coils (23 82 16 11-0001)				
Note: Flanged construction.				
23 82 16 11-0059 1 Row Hot Water Heating Coils (23 82 16 11-0058)				
23 82 16 11-0060	EA	12" x 12" Hot Water Heating Coil, 1 Row Flanged Construction.....	772.18	136.88
		For 10 Fins Per Inch, Add.....	9.96	
		For 12 Fins Per Inch, Add.....	24.91	
		For 230 PSIG Heavy Duty, Add.....	181.84	
23 82 16 11-0061	EA	12" x 24" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,119.49	175.41
		For 10 Fins Per Inch, Add.....	15.40	
		For 12 Fins Per Inch, Add.....	38.49	
		For 230 PSIG Heavy Duty, Add.....	258.86	
23 82 16 11-0062	EA	24" x 30" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,388.54	241.32
		For 10 Fins Per Inch, Add.....	18.11	
		For 12 Fins Per Inch, Add.....	45.29	
		For 230 PSIG Heavy Duty, Add.....	325.99	
23 82 16 11-0063	EA	24" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,694.89	338.65
		For 10 Fins Per Inch, Add.....	20.38	
		For 12 Fins Per Inch, Add.....	50.95	
		For 230 PSIG Heavy Duty, Add.....	406.57	
23 82 16 11-0064	EA	30" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,943.30	405.58
		For 10 Fins Per Inch, Add.....	22.64	
		For 12 Fins Per Inch, Add.....	56.61	
		For 230 PSIG Heavy Duty, Add.....	469.78	
23 82 16 11-0065	EA	30" x 60" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,304.59	506.97
		For 10 Fins Per Inch, Add.....	25.81	
		For 12 Fins Per Inch, Add.....	64.53	
		For 230 PSIG Heavy Duty, Add.....	562.31	
23 82 16 11-0066	EA	30" x 72" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,575.75	562.74
		For 10 Fins Per Inch, Add.....	28.98	
		For 12 Fins Per Inch, Add.....	72.46	
		For 230 PSIG Heavy Duty, Add.....	627.81	
23 82 16 11-0067	EA	30" x 84" Hot Water Heating Coil, 1 Row Flanged Construction.....	3,150.25	654.29
		For 10 Fins Per Inch, Add.....	36.74	
		For 12 Fins Per Inch, Add.....	91.84	
		For 230 PSIG Heavy Duty, Add.....	761.39	
23 82 16 11-0068	EA	34" x 32" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,360.15	283.50
		For 10 Fins Per Inch, Add.....	15.86	
		For 12 Fins Per Inch, Add.....	39.65	
		For 230 PSIG Heavy Duty, Add.....	328.74	
23 82 16 11-0069	EA	34" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,040.21	425.35
		For 10 Fins Per Inch, Add.....	23.79	
		For 12 Fins Per Inch, Add.....	59.48	
		For 230 PSIG Heavy Duty, Add.....	493.10	
23 82 16 11-0070	EA	34" x 72" Hot Water Heating Coil, 1 Row Flanged Construction.....	3,071.11	643.34
		For 10 Fins Per Inch, Add.....	35.69	
		For 12 Fins Per Inch, Add.....	89.22	
		For 230 PSIG Heavy Duty, Add.....	742.89	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Decentralized Unitary HVAC Equipment

23 80

Convection Heating and Cooling Units

23 82

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0071 EA 34" x 84" Hot Water Heating Coil, 1 Row Flanged Construction For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add For 230 PSIG Heavy Duty, Add 23 82 16 11-0072 SF >15 SF Hot Water Heating Coil, 1 Row, Flanged Construction For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add For 230 PSIG Heavy Duty, Add	3,572.85 41.64 104.09 863.68 166.20 1.82 4.56 40.74	745.55 37.52
23 82 16 11-0073 2 Row Hot Water Heating Coils (23 82 16 11-0058)		
23 82 16 11-0074 EA 12" x 12" Hot Water Heating Coil, 2 Row Flanged Construction For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add For 230 PSIG Heavy Duty, Add 23 82 16 11-0075 EA 12" x 24" Hot Water Heating Coil, 2 Row Flanged Construction For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add For 230 PSIG Heavy Duty, Add 23 82 16 11-0076 EA 24" x 30" Hot Water Heating Coil, 2 Row Flanged Construction For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add For 230 PSIG Heavy Duty, Add 23 82 16 11-0077 EA 24" x 48" Hot Water Heating Coil, 2 Row Flanged Construction For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add For 230 PSIG Heavy Duty, Add 23 82 16 11-0078 EA 30" x 48" Hot Water Heating Coil, 2 Row Flanged Construction For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add For 230 PSIG Heavy Duty, Add 23 82 16 11-0079 EA 30" x 60" Hot Water Heating Coil, 2 Row Flanged Construction For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add For 230 PSIG Heavy Duty, Add 23 82 16 11-0080 EA 30" x 72" Hot Water Heating Coil, 2 Row Flanged Construction For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add For 230 PSIG Heavy Duty, Add 23 82 16 11-0081 EA 30" x 84" Hot Water Heating Coil, 2 Row Flanged Construction For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add For 230 PSIG Heavy Duty, Add 23 82 16 11-0082 EA 34" x 32" Hot Water Heating Coil, 2 Row Flanged Construction For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add For 230 PSIG Heavy Duty, Add 23 82 16 11-0083 EA 34" x 48" Hot Water Heating Coil, 2 Row Flanged Construction For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add For 230 PSIG Heavy Duty, Add 23 82 16 11-0084 EA 34" x 72" Hot Water Heating Coil, 2 Row Flanged Construction For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add For 230 PSIG Heavy Duty, Add 23 82 16 11-0085 EA 34" x 84" Hot Water Heating Coil, 2 Row Flanged Construction For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add For 230 PSIG Heavy Duty, Add	1,198.41 17.21 43.02 273.48 1,333.71 17.66 44.15 311.81 1,830.75 23.10 57.74 433.75 2,278.95 26.27 65.66 552.36 2,664.66 29.44 73.59 652.22 2,920.27 29.44 73.59 728.90 3,320.19 32.61 81.51 833.03 4,031.47 41.33 103.32 1,002.79 1,739.96 17.84 44.61 432.77 2,612.07 26.77 66.91 649.79 3,927.76 40.15 100.37 977.59 4,585.24 46.84 117.10 1,141.37	169.33 225.09 338.65 482.63 596.19 723.95 845.63 982.51 423.93 636.86 960.20 1,121.62
23 82 16 11-0086 Hot Water Preheat Coils For Multi-Zone Air Handling Units (23 82 16 11) Note: 2 Row coils. Coils are sized by air handling unit capacity.		
23 82 16 11-0087 EA 3,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit 23 82 16 11-0088 EA 4,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit 23 82 16 11-0089 EA 5,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit 23 82 16 11-0090 EA 6,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit 23 82 16 11-0091 EA 7,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit 23 82 16 11-0092 EA 9,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit 23 82 16 11-0093 EA 11,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit 23 82 16 11-0094 EA 13,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit 23 82 16 11-0095 EA 16,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit 23 82 16 11-0096 EA 19,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit 23 82 16 11-0097 EA 22,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit 23 82 16 11-0098 EA 27,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit 23 82 16 11-0099 EA 34,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit 23 82 16 11-0100 EA 40,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit 23 82 16 11-0101 EA 47,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	965.41 1,200.90 1,453.74 1,679.44 1,693.20 2,025.30 2,112.20 2,338.50 2,645.68 2,874.83 3,627.51 4,645.64 5,826.23 6,734.59 7,908.15	128.77 127.76 136.88 149.05 156.14 164.26 184.54 206.84 247.40 259.57 274.77 376.17 461.35 482.63 562.74

23 82 16 12 Steam Air Coils (23 82 16)**23 82 16 12-0001 Steam Heating Coils (23 82 16 12)**
Note: Flanged construction.

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 12-0002 EA 12" x 12" Steam Heating Coils, 1 Row Flanged Construction	823.52	95.31
For 2 Row Coil, Add	284.96	
For 4 Row Coil, Add	740.31	
23 82 16 12-0003 EA 12" x 24" Steam Heating Coils, 1 Row Flanged Construction	942.65	131.81
For 2 Row Coil, Add	335.47	
For 4 Row Coil, Add	867.36	
23 82 16 12-0004 EA 24" x 30" Steam Heating Coils, 1 Row Flanged Construction	1,309.39	236.24
For 2 Row Coil, Add	487.14	
For 4 Row Coil, Add	1,250.30	
23 82 16 12-0005 EA 24" x 48" Steam Heating Coils, 1 Row Flanged Construction	1,694.89	338.65
For 2 Row Coil, Add	643.66	
For 4 Row Coil, Add	1,646.57	
23 82 16 12-0006 EA 30" x 48" Steam Heating Coils, 1 Row Flanged Construction	1,920.65	405.58
For 2 Row Coil, Add	738.43	
For 4 Row Coil, Add	1,885.31	
23 82 16 12-0007 EA 30" x 60" Steam Heating Coils, 1 Row Flanged Construction	2,214.01	506.97
For 2 Row Coil, Add	866.99	
For 4 Row Coil, Add	2,207.20	
23 82 16 12-0008 EA 30" x 72" Steam Heating Coils, 1 Row Flanged Construction	2,439.89	562.74
For 2 Row Coil, Add	957.29	
For 4 Row Coil, Add	2,436.35	
23 82 16 12-0009 EA 30" x 84" Steam Heating Coils, 1 Row Flanged Construction	2,978.03	656.72
For 2 Row Coil, Add	1,156.09	
For 4 Row Coil, Add	2,947.18	
23 82 16 12-0010 EA 34" x 32" Steam Heating Coils, 1 Row Flanged Construction	1,285.79	283.50
For 2 Row Coil, Add	499.15	
For 4 Row Coil, Add	1,272.48	
23 82 16 12-0011 EA 34" x 48" Steam Heating Coils, 1 Row Flanged Construction	1,928.68	425.35
For 2 Row Coil, Add	748.73	
For 4 Row Coil, Add	1,908.71	
23 82 16 12-0012 EA 34" x 72" Steam Heating Coils, 1 Row Flanged Construction	2,890.88	636.86
For 2 Row Coil, Add	1,122.02	
For 4 Row Coil, Add	2,860.43	
23 82 16 12-0013 EA 34" x 84" Steam Heating Coils, 1 Row Flanged Construction	3,377.69	745.55
For 2 Row Coil, Add	1,311.52	
For 4 Row Coil, Add	3,343.32	

23 82 16 13 Refrigerant Air Coils (23 82 16)**23 82 16 13-0001 Direct Expansion Cooling Coils (23 82 16 13)**

Note: Flanged construction 16 gauge galvanized steel casing.

23 82 16 13-0002 2 Row Direct Expansion Cooling Coils (23 82 16 13-0001)

23 82 16 13-0003 EA 12" x 12" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	609.86	76.05
For 10 Fins Per Inch, Add	9.15	
For 12 Fins Per Inch, Add	22.87	
23 82 16 13-0004 EA 12" x 24" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,123.83	104.43
For 10 Fins Per Inch, Add	18.30	
For 12 Fins Per Inch, Add	45.74	
23 82 16 13-0005 EA 24" x 30" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,572.44	164.26
For 10 Fins Per Inch, Add	24.91	
For 12 Fins Per Inch, Add	62.27	
23 82 16 13-0006 EA 24" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,943.39	236.24
For 10 Fins Per Inch, Add	29.44	
For 12 Fins Per Inch, Add	73.59	
23 82 16 13-0007 EA 30" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,277.61	288.97
For 10 Fins Per Inch, Add	33.96	
For 12 Fins Per Inch, Add	84.91	
23 82 16 13-0008 EA 30" x 60" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,578.62	349.80
For 10 Fins Per Inch, Add	37.59	
For 12 Fins Per Inch, Add	93.97	
23 82 16 13-0009 EA 30" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,962.23	405.58
For 10 Fins Per Inch, Add	43.02	
For 12 Fins Per Inch, Add	107.55	
23 82 16 13-0010 EA 30" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,672.42	472.90
For 10 Fins Per Inch, Add	54.53	
For 12 Fins Per Inch, Add	136.33	
23 82 16 13-0011 EA 34" x 32" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,407.81	179.77
For 10 Fins Per Inch, Add	20.97	
For 12 Fins Per Inch, Add	52.41	
23 82 16 13-0012 EA 34" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,906.58	306.11
For 10 Fins Per Inch, Add	25.89	
For 12 Fins Per Inch, Add	64.72	
23 82 16 13-0013 EA 34" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,449.83	459.21
For 10 Fins Per Inch, Add	30.63	
For 12 Fins Per Inch, Add	76.57	
23 82 16 13-0014 EA 34" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,719.13	534.75
For 10 Fins Per Inch, Add	32.99	
For 12 Fins Per Inch, Add	82.48	

23 82 16 13-0015 4 Row Direct Expansion Cooling Coils (23 82 16 13-0001)



Heating, Ventilating, and Air-Conditioning (HVAC)			23
Decentralized Unitary HVAC Equipment			23 80
Convection Heating and Cooling Units			23 82

23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0016	EA	12" x 12" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	987.89 15.53 38.83	105.45
23 82 16 13-0017	EA	12" x 24" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	1,412.16 22.19 55.48	152.09
23 82 16 13-0018	EA	24" x 30" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	1,978.76 29.44 73.59	253.49
23 82 16 13-0019	EA	24" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	2,494.56 34.87 87.18	376.17
23 82 16 13-0020	EA	30" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	2,914.35 39.85 99.63	461.35
23 82 16 13-0021	EA	30" x 60" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	3,481.46 47.10 117.74	563.75
23 82 16 13-0022	EA	30" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	3,933.20 51.63 129.06	676.29
23 82 16 13-0023	EA	30" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	3,988.87 48.29 120.72	787.22
23 82 16 13-0024	EA	34" x 32" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	2,332.37 33.06 82.64	339.77
23 82 16 13-0025	EA	34" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	3,062.86 40.81 102.04	511.03
23 82 16 13-0026	EA	34" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	4,771.52 59.48 148.69	898.86
23 82 16 13-0027	EA	34" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	5,484.25 67.79 169.47	1,047.50
23 82 16 13-0028 6 Row Direct Expansion Cooling Coils (23 82 16 13-0001)				
23 82 16 13-0029	EA	12" x 12" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	1,263.12 19.93 49.81	132.83
23 82 16 13-0030	EA	12" x 24" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	1,507.12 22.19 55.48	198.73
23 82 16 13-0031	EA	24" x 30" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	2,238.32 31.25 78.12	338.65
23 82 16 13-0032	EA	24" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	2,938.59 38.49 96.23	506.97
23 82 16 13-0033	EA	30" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	3,826.07 51.17 127.93	633.71
23 82 16 13-0034	EA	30" x 60" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	4,412.91 57.06 142.65	779.72
23 82 16 13-0035	EA	30" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	5,149.39 66.12 165.29	921.66
23 82 16 13-0036	EA	30" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	5,119.81 59.43 148.58	1,074.06
23 82 16 13-0037	EA	34" x 32" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	2,962.70 40.68 101.71	464.28
23 82 16 13-0038	EA	34" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	3,904.43 50.23 125.58	696.37
23 82 16 13-0039	EA	34" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	5,049.51 59.44 148.59	1,038.88
23 82 16 13-0040	EA	34" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	5,638.49 64.02 160.06	1,218.65
23 82 16 13-0041 8 Row Direct Expansion Cooling Coils (23 82 16 13-0001)				
23 82 16 13-0042	EA	12" x 12" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	1,567.24 24.91 62.27	160.21
23 82 16 13-0043	EA	12" x 24" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	1,943.75 28.98 72.46	247.40

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0044	EA		24" x 30" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,976.15	441.06
			For 10 Fins Per Inch, Add	41.89	
			For 12 Fins Per Inch, Add	104.72	
23 82 16 13-0045	EA		24" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,046.42	676.29
			For 10 Fins Per Inch, Add	53.89	
			For 12 Fins Per Inch, Add	134.73	
23 82 16 13-0046	EA		30" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,893.87	845.63
			For 10 Fins Per Inch, Add	64.08	
			For 12 Fins Per Inch, Add	160.20	
23 82 16 13-0047	EA		30" x 60" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,718.68	1,013.94
			For 10 Fins Per Inch, Add	73.82	
			For 12 Fins Per Inch, Add	184.54	
23 82 16 13-0048	EA		30" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,532.71	1,126.49
			For 10 Fins Per Inch, Add	85.59	
			For 12 Fins Per Inch, Add	213.98	
23 82 16 13-0049	EA		30" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,956.33	1,306.66
			For 10 Fins Per Inch, Add	66.86	
			For 12 Fins Per Inch, Add	167.15	
23 82 16 13-0050	EA		34" x 32" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,420.11	565.78
			For 10 Fins Per Inch, Add	45.77	
			For 12 Fins Per Inch, Add	114.42	
23 82 16 13-0051	EA		34" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,526.85	850.60
			For 10 Fins Per Inch, Add	56.51	
			For 12 Fins Per Inch, Add	141.28	
23 82 16 13-0052	EA		34" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,903.69	1,280.20
			For 10 Fins Per Inch, Add	66.86	
			For 12 Fins Per Inch, Add	167.16	
23 82 16 13-0053	EA		34" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,583.48	1,491.09
			For 10 Fins Per Inch, Add	72.03	
			For 12 Fins Per Inch, Add	180.07	

23 82 16 14 Electric-Resistance Air Coils (23 82 16)**23 82 16 14-0001 Standard Electric Slip-In Blast Coil Heater (23 82 16 14)****23 82 16 14-0002 Electric Slip-In Blast Coil Heater With Open Coil Element (23 82 16 14-0001)**

23 82 16 14-0003	EA		1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	306.28	69.27
23 82 16 14-0004	EA		1 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	317.81	74.67
23 82 16 14-0005	EA		2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	331.44	81.87
23 82 16 14-0006	EA		3 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	336.02	84.57
23 82 16 14-0007	EA		4 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	347.80	89.96
23 82 16 14-0008	EA		5 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	361.34	97.16
23 82 16 14-0009	EA		6 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	413.77	108.85
23 82 16 14-0010	EA		7 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	424.74	114.25
23 82 16 14-0011	EA		8 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	433.74	117.85
23 82 16 14-0012	EA		9 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	446.88	125.05
23 82 16 14-0013	EA		10 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	485.56	132.24
23 82 16 14-0014	EA		12-1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	511.17	144.84
23 82 16 14-0015	EA		15 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	536.63	157.44
23 82 16 14-0016	EA		20 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	562.16	170.03
23 82 16 14-0017	EA		30 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	729.85	237.50
23 82 16 14-0018	EA		40 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,203.32	252.80
23 82 16 14-0019	EA		50 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,329.56	289.68
23 82 16 14-0020	EA		60 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,558.58	321.17
23 82 16 14-0021	EA		70 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,642.61	349.06
23 82 16 14-0022	EA		80 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,800.02	383.24
23 82 16 14-0023	EA		90 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	2,175.77	409.34
23 82 16 14-0024	EA		100 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	2,384.46	439.92
23 82 16 14-0025	EA		125 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	2,860.88	475.00
23 82 16 14-0026	EA		150 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	3,211.23	516.39

23 82 16 14-0027 Electric Slip-In Blast Coil Heater With Finned Tubular Element (23 82 16 14-0001)

23 82 16 14-0028	EA		1 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	746.04	98.96
23 82 16 14-0029	EA		2 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	780.23	107.95
23 82 16 14-0030	EA		3 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	797.36	107.95
23 82 16 14-0031	EA		4 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	834.27	118.75
23 82 16 14-0032	EA		5 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,120.33	118.75
23 82 16 14-0033	EA		6 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,147.74	118.75
23 82 16 14-0034	EA		8 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,167.73	132.24
23 82 16 14-0035	EA		9 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,192.72	148.44
23 82 16 14-0036	EA		10 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,208.13	148.44
23 82 16 14-0037	EA		15 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,402.99	170.03
23 82 16 14-0038	EA		20 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,670.21	170.03
23 82 16 14-0039	EA		30 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,820.96	197.92
23 82 16 14-0040	EA		40 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	2,453.04	197.92

23 82 19 Fan Coil Units (23 82)

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Decentralized Unitary HVAC Equipment

23 80

Convection Heating and Cooling Units

23 82

23

MINOR		TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION		UNIT COST		UNIT COST
23 82 19 00-0001	Ceiling Suspended Horizontal Fan Coil Units (23 82 19) Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds. Excludes supports.			
23 82 19 00-0002	Horizontal Fan Coil Units With Electric Heating Coil (23 82 19 00-0001)			
23 82 19 00-0003	EA 200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	1,798.33		164.26
	For 2-Way Valve Instead Of 3-Way, Deduct	-51.35		
23 82 19 00-0004	EA 300 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	1,978.61		191.64
	For 2-Way Valve Instead Of 3-Way, Deduct	-54.13		
23 82 19 00-0005	EA 400 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	2,190.56		215.97
	For 2-Way Valve Instead Of 3-Way, Deduct	-56.57		
23 82 19 00-0006	EA 600 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	2,541.56		247.40
	For 2-Way Valve Instead Of 3-Way, Deduct	-59.73		
23 82 19 00-0007	EA 800 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	2,854.78		259.57
	For 2-Way Valve Instead Of 3-Way, Deduct	-104.00		
23 82 19 00-0008	EA 1,000 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	3,906.36		274.77
	For 2-Way Valve Instead Of 3-Way, Deduct	-106.11		
23 82 19 00-0009	EA 1,200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,754.31		298.10
	For 2-Way Valve Instead Of 3-Way, Deduct	-109.73		
23 82 19 00-0010	Horizontal Fan Coil Units With Hot Water Heating Coil (23 82 19 00-0001)			
23 82 19 00-0011	EA 200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	974.75		164.26
	For 2-Way Valve Instead Of 3-Way, Deduct	-51.35		
23 82 19 00-0012	EA 300 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	1,188.61		191.64
	For 2-Way Valve Instead Of 3-Way, Deduct	-54.13		
23 82 19 00-0013	EA 400 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	1,413.36		215.97
	For 2-Way Valve Instead Of 3-Way, Deduct	-56.57		
23 82 19 00-0014	EA 600 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	2,733.46		247.40
	For 2-Way Valve Instead Of 3-Way, Deduct	-59.73		
23 82 19 00-0015	EA 800 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	3,078.66		260.59
	For 2-Way Valve Instead Of 3-Way, Deduct	-104.00		
23 82 19 00-0016	EA 1,000 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,226.19		274.77
	For 2-Way Valve Instead Of 3-Way, Deduct	-106.11		
23 82 19 00-0017	EA 1,200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	5,362.00		298.10
	For 2-Way Valve Instead Of 3-Way, Deduct	-109.73		
23 82 19 00-0018	Floor Mounted Vertical Fan Coil Units (23 82 19) Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.			
23 82 19 00-0019	Vertical Fan Coil Units With Electric Heating Coil (23 82 19 00-0018)			
23 82 19 00-0020	EA 200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	1,734.36		163.24
	For Fan Coil Units Without Cabinet, Deduct	-227.45		
	For Thru-Wall Sleeve, Add	120.42		
	For 2-Way Valve Instead Of 3-Way, Deduct	-51.35		
23 82 19 00-0021	EA 300 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	1,981.80		191.64
	For Fan Coil Units Without Cabinet, Deduct	-259.01		
	For Thru-Wall Sleeve, Add	131.52		
	For 2-Way Valve Instead Of 3-Way, Deduct	-54.13		
23 82 19 00-0022	EA 400 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,350.48		215.97
	For Fan Coil Units Without Cabinet, Deduct	-309.43		
	For Thru-Wall Sleeve, Add	141.29		
	For 2-Way Valve Instead Of 3-Way, Deduct	-56.57		
23 82 19 00-0023	EA 600 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,701.47		247.40
	For Fan Coil Units Without Cabinet, Deduct	-355.76		
	For Thru-Wall Sleeve, Add	153.92		
	For 2-Way Valve Instead Of 3-Way, Deduct	-59.73		
23 82 19 00-0024	EA 800 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,046.68		260.59
	For Fan Coil Units Without Cabinet, Deduct	-405.01		
	For Thru-Wall Sleeve, Add	158.99		
	For 2-Way Valve Instead Of 3-Way, Deduct	-104.00		
23 82 19 00-0025	EA 1,000 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,906.36		274.77
	For Fan Coil Units Without Cabinet, Deduct	-531.15		
	For Thru-Wall Sleeve, Add	164.61		
	For 2-Way Valve Instead Of 3-Way, Deduct	-106.11		
23 82 19 00-0026	EA 1,200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,594.39		298.10
	For Fan Coil Units Without Cabinet, Deduct	-629.52		
	For Thru-Wall Sleeve, Add	174.29		
	For 2-Way Valve Instead Of 3-Way, Deduct	-109.73		
23 82 19 00-0027	Vertical Fan Coil Units With Hot Water Heating Coil (23 82 19 00-0018)			
23 82 19 00-0028	EA 200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	1,926.26		163.24
	For Fan Coil Units Without Cabinet, Deduct	-256.23		
	For Thru-Wall Sleeve, Add	120.42		
	For 2-Way Valve Instead Of 3-Way, Deduct	-51.35		
23 82 19 00-0029	EA 300 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,173.71		191.64
	For Fan Coil Units Without Cabinet, Deduct	-287.79		
	For Thru-Wall Sleeve, Add	131.52		
	For 2-Way Valve Instead Of 3-Way, Deduct	-54.13		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0030	EA	400 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	2,670.32 -357.40 141.29 -56.57	215.97
23 82 19 00-0031	EA	600 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	3,053.29 -408.53 153.92 -59.73	247.40
23 82 19 00-0032	EA	800 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	3,398.50 -457.78 158.99 -104.00	260.59
23 82 19 00-0033	EA	1,000 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	4,066.27 -555.13 164.61 -106.11	274.77
23 82 19 00-0034	EA	1,200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	4,754.31 -653.50 174.29 -109.73	298.10
23 82 19 00-0035		Removal And Reinstallation Of Fan Coil Units (23 82 19) Note: Includes storage and cleaning. Excludes supports.		
23 82 19 00-0036	EA	Removal And Reinstallation Of Fan Coil Unit Horizontal Or Vertical.....	431.10	
23 82 29		Radiators (23 82)		
23 82 29 00-0001		Demolish Cast Iron Radiators (23 82 29)		
23 82 29 00-0002	LF	Demolish Cast Iron Radiator	30.41	
23 82 29 00-0003	EA	Cap Radiator.....	42.72	
23 82 29 00-0004		Cast Iron Radiator (23 82 29)		
23 82 29 00-0005	EA	19" High Cast Iron Radiator Section, Free Standing..... <i>For Wall Support Bracket, Add</i>	49.00 27.17	
23 82 29 00-0006	EA	25" High Cast Iron Radiator Section, Free Standing..... <i>For Wall Support Bracket, Add</i>	69.95 28.49	
23 82 29 00-0007	EA	30" High Cast Iron Radiator Section, Free Standing	81.55	
23 82 29 00-0008	EA	36" High Cast Iron Radiator Section, Free Standing	102.99	
23 82 29 00-0009	EA	20" High Cast Iron Radiator Section, Recessed With Grille	67.67	
23 82 29 00-0010		Radiator Covers (23 82 29) Note: Includes field cutouts, vent grilles, and insulation backing. To calculate quantity, measure the surface area of front, top and sides.		
23 82 29 00-0011	SF	14 Gauge Stainless Steel Radiator Cover.....	86.47	4.88
23 82 29 00-0012	SF	Primed And Painted, Galvanized Steel Radiator Cover	54.51	4.88
23 82 29 00-0013		Radiator Shields (23 82 29)		
23 82 29 00-0014	SF	Stainless Steel Radiator Shield.....	53.35	4.88
23 82 29 00-0015	SF	Primed And Painted, Galvanized Steel Radiator Shield.....	42.95	4.88
23 82 29 00-0016		Remove And Reinstall Radiator (23 82 29) Note: Includes storage and cleaning.		
23 82 29 00-0017	LF	Removal And Reinstallation Of Cast Iron Radiator	76.05	
23 82 29 00-0018	LF	Removal And Reinstallation Of Electric Radiator	50.70	
23 82 33		Convectors (23 82)		
23 82 33 00-0001		Multi-Fin Convectors For Two-Pipe System (23 82 33) Note: Complete with 6-1/4" deep cabinet enclosure.		
23 82 33 00-0002		20" High Multi-Fin Convectors For Two-Pipe System (23 82 33 00-0001)		
23 82 33 00-0003	EA	20" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	456.77	111.53
		<i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i> <i>For Knob Operated Damper, Add</i>	56.70 43.80 15.00 18.00 100.72 15.00	
23 82 33 00-0004	EA	20" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	536.08	121.68
		<i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i> <i>For Knob Operated Damper, Add</i>	61.31 46.87 15.00 18.00 123.11 15.00	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
Decentralized Unitary HVAC Equipment			23 80	
Convection Heating and Cooling Units			23 82	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0005	EA	20" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	617.64	143.98	
		For Metal Trim Strips, Add	71.39		
		For Snap-On Inlet Grille, Add	53.59		
		For Access Doors Hinged, Add	15.00		
		For Air Chamber, Auto-vent, Add	18.00		
		For 3 Tubes System, Add	139.89		
		For Knob Operated Damper, Add	15.00		
23 82 33 00-0006	EA	20" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	738.51	167.30	
		For Metal Trim Strips, Add	82.04		
		For Snap-On Inlet Grille, Add	60.69		
		For Access Doors Hinged, Add	15.00		
		For Air Chamber, Auto-vent, Add	18.00		
		For 3 Tubes System, Add	169.77		
		For Knob Operated Damper, Add	15.00		
23 82 33 00-0007	EA	20" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	880.94	200.76	
		For Metal Trim Strips, Add	97.24		
		For Snap-On Inlet Grille, Add	70.82		
		For Access Doors Hinged, Add	15.00		
		For Air Chamber, Auto-vent, Add	18.00		
		For 3 Tubes System, Add	201.89		
		For Knob Operated Damper, Add	15.00		
23 82 33 00-0008	EA	20" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	989.97	220.84	
		For Metal Trim Strips, Add	106.35		
		For Snap-On Inlet Grille, Add	76.90		
		For Access Doors Hinged, Add	15.00		
		For Air Chamber, Auto-vent, Add	18.00		
		For 3 Tubes System, Add	229.41		
		For Knob Operated Damper, Add	15.00		
23 82 33 00-0009	EA	20" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,152.68	267.68	
		For Metal Trim Strips, Add	127.63		
		For Snap-On Inlet Grille, Add	91.09		
		For Access Doors Hinged, Add	15.00		
		For Air Chamber, Auto-vent, Add	18.00		
		For 3 Tubes System, Add	261.53		
		For Knob Operated Damper, Add	15.00		
23 82 33 00-0010	EA	20" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,256.69	284.41	
		For Metal Trim Strips, Add	135.24		
		For Snap-On Inlet Grille, Add	96.16		
		For Access Doors Hinged, Add	15.00		
		For Air Chamber, Auto-vent, Add	18.00		
		For 3 Tubes System, Add	289.06		
		For Knob Operated Damper, Add	15.00		
23 82 33 00-0011	EA	20" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,372.89	317.87	
		For Metal Trim Strips, Add	150.44		
		For Snap-On Inlet Grille, Add	106.29		
		For Access Doors Hinged, Add	15.00		
		For Air Chamber, Auto-vent, Add	18.00		
		For 3 Tubes System, Add	312.00		
		For Knob Operated Damper, Add	15.00		
23 82 33 00-0012	EA	20" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,515.40	351.33	
		For Metal Trim Strips, Add	165.66		
		For Snap-On Inlet Grille, Add	116.44		
		For Access Doors Hinged, Add	15.00		
		For Air Chamber, Auto-vent, Add	18.00		
		For 3 Tubes System, Add	344.12		
		For Knob Operated Damper, Add	15.00		
23 82 33 00-0013	EA	20" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,631.61	384.79	
		For Metal Trim Strips, Add	180.86		
		For Snap-On Inlet Grille, Add	126.57		
		For Access Doors Hinged, Add	15.00		
		For Air Chamber, Auto-vent, Add	18.00		
		For 3 Tubes System, Add	367.06		
		For Knob Operated Damper, Add	15.00		
23 82 33 00-0014		26" High Multi-Fin Convectors For Two-Pipe System (23 82 33 00-0001)			
23 82 33 00-0015	EA	26" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	539.80	146.71	
		For Metal Trim Strips, Add	72.01		
		For Snap-On Inlet Grille, Add	54.01		
		For Access Doors Hinged, Add	15.00		
		For Air Chamber, Auto-vent, Add	18.00		
		For 3 Tubes System, Add	111.92		
		For Knob Operated Damper, Add	15.00		
23 82 33 00-0016	EA	26" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	633.42	170.44	
		For Metal Trim Strips, Add	82.66		
		For Snap-On Inlet Grille, Add	61.10		
		For Access Doors Hinged, Add	15.00		
		For Air Chamber, Auto-vent, Add	18.00		
		For 3 Tubes System, Add	132.27		
		For Knob Operated Damper, Add	15.00		
23 82 33 00-0017	EA	26" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	765.08	200.16	
		For Metal Trim Strips, Add	95.99		
		For Snap-On Inlet Grille, Add	70.00		
		For Access Doors Hinged, Add	15.00		
		For Air Chamber, Auto-vent, Add	18.00		
		For 3 Tubes System, Add	162.79		
		For Knob Operated Damper, Add	15.00		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0018	EA		26" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	894.44	223.17
			For Metal Trim Strips, Add	106.33	
			For Snap-On Inlet Grille, Add	76.88	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	196.01	
			For Knob Operated Damper, Add	15.00	
23 82 33 00-0019	EA		26" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,042.06	250.95
			For Metal Trim Strips, Add	118.83	
			For Snap-On Inlet Grille, Add	85.22	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	283.09	
			For Knob Operated Damper, Add	15.00	
23 82 33 00-0020	EA		26" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,164.31	271.84
			For Metal Trim Strips, Add	128.26	
			For Snap-On Inlet Grille, Add	91.51	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	264.87	
			For Knob Operated Damper, Add	15.00	
23 82 33 00-0021	EA		26" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,327.84	309.76
			For Metal Trim Strips, Add	145.53	
			For Snap-On Inlet Grille, Add	103.02	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	301.96	
			For Knob Operated Damper, Add	15.00	
23 82 33 00-0022	EA		26" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,446.70	328.72
			For Metal Trim Strips, Add	153.95	
			For Snap-On Inlet Grille, Add	108.63	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	333.74	
			For Knob Operated Damper, Add	15.00	
23 82 33 00-0023	EA		26" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,566.26	358.42
			For Metal Trim Strips, Add	167.11	
			For Snap-On Inlet Grille, Add	117.41	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	360.23	
			For Knob Operated Damper, Add	15.00	
23 82 33 00-0024	EA		26" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,716.56	387.53
			For Metal Trim Strips, Add	180.42	
			For Snap-On Inlet Grille, Add	126.28	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	397.31	
			For Knob Operated Damper, Add	15.00	
23 82 33 00-0025	EA		26" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,832.14	414.20
			For Metal Trim Strips, Add	192.39	
			For Snap-On Inlet Grille, Add	134.26	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	423.80	
			For Knob Operated Damper, Add	15.00	
23 82 33 00-0026			32" High Multi-Fin Convectors For Two-Pipe System (23 82 33 00-0001)		
23 82 33 00-0027	EA		32" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	621.97	178.46
			For Metal Trim Strips, Add	87.07	
			For Snap-On Inlet Grille, Add	64.05	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	123.11	
			For Knob Operated Damper, Add	15.00	
23 82 33 00-0028	EA		32" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	742.76	215.97
			For Metal Trim Strips, Add	104.12	
			For Snap-On Inlet Grille, Add	75.42	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	145.49	
			For Knob Operated Damper, Add	15.00	
23 82 33 00-0029	EA		32" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	893.94	252.47
			For Metal Trim Strips, Add	120.70	
			For Snap-On Inlet Grille, Add	86.47	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	179.06	
			For Knob Operated Damper, Add	15.00	
23 82 33 00-0030	EA		32" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,031.70	274.37
			For Metal Trim Strips, Add	130.71	
			For Snap-On Inlet Grille, Add	93.14	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	215.60	
			For Knob Operated Damper, Add	15.00	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
Decentralized Unitary HVAC Equipment			23 80	
Convection Heating and Cooling Units			23 82	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0031	EA		32" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,181.36	296.47
			For Metal Trim Strips, Add	140.64	
			For Snap-On Inlet Grille, Add	99.76	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	256.40	
			For Knob Operated Damper, Add	15.00	
23 82 33 00-0032	EA		32" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,313.90	317.87
			For Metal Trim Strips, Add	150.44	
			For Snap-On Inlet Grille, Add	106.29	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	291.36	
			For Knob Operated Damper, Add	15.00	
23 82 33 00-0033	EA		32" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,471.21	344.64
			For Metal Trim Strips, Add	162.67	
			For Snap-On Inlet Grille, Add	114.44	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	332.15	
			For Knob Operated Damper, Add	15.00	
23 82 33 00-0034	EA		32" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,604.78	366.74
			For Metal Trim Strips, Add	172.77	
			For Snap-On Inlet Grille, Add	121.18	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	367.11	
			For Knob Operated Damper, Add	15.00	
23 82 33 00-0035	EA		32" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,724.52	391.48
			For Metal Trim Strips, Add	183.72	
			For Snap-On Inlet Grille, Add	128.48	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	396.25	
			For Knob Operated Damper, Add	15.00	
23 82 33 00-0036	EA		32" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,877.51	414.90
			For Metal Trim Strips, Add	194.65	
			For Snap-On Inlet Grille, Add	135.77	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	437.03	
			For Knob Operated Damper, Add	15.00	
23 82 33 00-0037	EA		32" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,990.66	434.98
			For Metal Trim Strips, Add	203.62	
			For Snap-On Inlet Grille, Add	141.75	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	466.17	
			For Knob Operated Damper, Add	15.00	
23 82 33 00-0038			Electric Convectors, Floor Standing Units (23 82 33)		
23 82 33 00-0039			4" Deep Electric Convectors (23 82 33 00-0038)		
23 82 33 00-0040	EA		38" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units.....	462.86	96.45
23 82 33 00-0041	EA		50" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units.....	510.73	96.45
23 82 33 00-0042			6" Deep Electric Convectors (23 82 33 00-0038)		
23 82 33 00-0043	EA		38" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units.....	532.83	96.45
23 82 33 00-0044	EA		50" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units.....	606.49	96.45
23 82 33 00-0045	EA		62" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units.....	670.94	96.45
23 82 33 00-0046	EA		74" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units.....	772.22	96.45
23 82 36			Finned-Tube Radiation Heaters (23 82)		
23 82 36 00-0001			Finned Tube Baseboard Units (23 82 36)		
			Note: Complete with steel enclosure. Single heating element.		
23 82 36 00-0002			3/4" IPS Steel Tube With Steel Fins (23 82 36 00-0001)		
23 82 36 00-0003	EA		4' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	303.22	39.55
			For 90 Degree Corner, Add	48.26	
			For Valve Enclosure, Add	48.26	
			For Filler Piece, Add	41.26	
			For End Cap, Add	32.87	
			For Copper Tube With Aluminum Fins, Add	6.16	
23 82 36 00-0004	EA		6' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	398.30	59.82
			For 90 Degree Corner, Add	56.09	
			For Valve Enclosure, Add	56.09	
			For Filler Piece, Add	49.09	
			For End Cap, Add	37.96	
			For Copper Tube With Aluminum Fins, Add	9.23	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0005	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	477.31	79.08
		For 90 Degree Corner, Add	60.70	
		For Valve Enclosure, Add	60.70	
		For Filler Piece, Add	53.70	
		For End Cap, Add	40.95	
		For Copper Tube With Aluminum Fins, Add	12.31	
23 82 36 00-0006	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	594.65	110.73
		For 90 Degree Corner, Add	73.27	
		For Valve Enclosure, Add	73.27	
		For Filler Piece, Add	66.27	
		For End Cap, Add	49.12	
		For Copper Tube With Aluminum Fins, Add	15.31	
23 82 36 00-0007	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	711.53	133.03
		For 90 Degree Corner, Add	86.04	
		For Valve Enclosure, Add	86.04	
		For Filler Piece, Add	79.04	
		For End Cap, Add	57.43	
		For Copper Tube With Aluminum Fins, Add	18.22	
23 82 36 00-0008	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	803.16	141.95
		For 90 Degree Corner, Add	91.12	
		For Valve Enclosure, Add	91.12	
		For Filler Piece, Add	84.12	
		For End Cap, Add	60.73	
		For Copper Tube With Aluminum Fins, Add	21.87	
23 82 36 00-0009	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	885.51	156.86
		For 90 Degree Corner, Add	99.63	
		For Valve Enclosure, Add	99.63	
		For Filler Piece, Add	92.63	
		For End Cap, Add	66.26	
		For Copper Tube With Aluminum Fins, Add	24.05	
23 82 36 00-0010	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,010.57	177.44
		For 90 Degree Corner, Add	111.39	
		For Valve Enclosure, Add	111.39	
		For Filler Piece, Add	104.39	
		For End Cap, Add	73.91	
		For Copper Tube With Aluminum Fins, Add	27.70	
23 82 36 00-0011	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,114.33	195.18
		For 90 Degree Corner, Add	121.54	
		For Valve Enclosure, Add	121.54	
		For Filler Piece, Add	114.54	
		For End Cap, Add	80.50	
		For Copper Tube With Aluminum Fins, Add	30.61	
23 82 36 00-0012		1" IPS Steel Tube With Steel Fins (23 82 36 00-0001)		
23 82 36 00-0013	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	351.19	39.55
		For 90 Degree Corner, Add	48.26	
		For Valve Enclosure, Add	48.26	
		For Filler Piece, Add	41.26	
		For End Cap, Add	32.87	
		For Copper Tube With Aluminum Fins, Add	8.79	
23 82 36 00-0014	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	470.26	59.82
		For 90 Degree Corner, Add	56.09	
		For Valve Enclosure, Add	56.09	
		For Filler Piece, Add	49.09	
		For End Cap, Add	37.96	
		For Copper Tube With Aluminum Fins, Add	13.19	
23 82 36 00-0015	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	573.25	79.08
		For 90 Degree Corner, Add	60.70	
		For Valve Enclosure, Add	60.70	
		For Filler Piece, Add	53.70	
		For End Cap, Add	40.95	
		For Copper Tube With Aluminum Fins, Add	17.59	
23 82 36 00-0016	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	714.05	110.73
		For 90 Degree Corner, Add	73.29	
		For Valve Enclosure, Add	73.29	
		For Filler Piece, Add	66.29	
		For End Cap, Add	49.14	
		For Copper Tube With Aluminum Fins, Add	21.87	
23 82 36 00-0017	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	853.35	133.03
		For 90 Degree Corner, Add	86.01	
		For Valve Enclosure, Add	86.01	
		For Filler Piece, Add	79.01	
		For End Cap, Add	57.40	
		For Copper Tube With Aluminum Fins, Add	26.03	
23 82 36 00-0018	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	973.56	141.95
		For 90 Degree Corner, Add	91.12	
		For Valve Enclosure, Add	91.12	
		For Filler Piece, Add	84.12	
		For End Cap, Add	60.73	
		For Copper Tube With Aluminum Fins, Add	31.24	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	
Decentralized Unitary HVAC Equipment			23 80	
Convection Heating and Cooling Units			23 82	

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
23 82 36 00-0019	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,072.63	156.86
		For 90 Degree Corner, Add	99.57	
		For Valve Enclosure, Add	99.57	
		For Filler Piece, Add	92.57	
		For End Cap, Add	66.22	
		For Copper Tube With Aluminum Fins, Add	34.36	
23 82 36 00-0020	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,226.42	177.44
		For 90 Degree Corner, Add	111.39	
		For Valve Enclosure, Add	111.39	
		For Filler Piece, Add	104.39	
		For End Cap, Add	73.91	
		For Copper Tube With Aluminum Fins, Add	39.57	
23 82 36 00-0021	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,352.29	195.18
		For 90 Degree Corner, Add	121.42	
		For Valve Enclosure, Add	121.42	
		For Filler Piece, Add	114.42	
		For End Cap, Add	80.42	
		For Copper Tube With Aluminum Fins, Add	43.73	
23 82 36 00-0022		1-1/4" IPS Steel Tube With Steel Fins (23 82 36 00-0001)		
23 82 36 00-0023	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	399.15	39.55
		For 90 Degree Corner, Add	48.26	
		For Valve Enclosure, Add	48.26	
		For Filler Piece, Add	41.26	
		For End Cap, Add	32.87	
		For Copper Tube With Aluminum Fins, Add	11.43	
23 82 36 00-0024	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	542.20	59.82
		For 90 Degree Corner, Add	56.09	
		For Valve Enclosure, Add	56.09	
		For Filler Piece, Add	49.09	
		For End Cap, Add	37.96	
		For Copper Tube With Aluminum Fins, Add	17.15	
23 82 36 00-0025	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	669.17	79.08
		For 90 Degree Corner, Add	60.70	
		For Valve Enclosure, Add	60.70	
		For Filler Piece, Add	53.70	
		For End Cap, Add	40.95	
		For Copper Tube With Aluminum Fins, Add	22.86	
23 82 36 00-0026	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	833.33	110.73
		For 90 Degree Corner, Add	73.29	
		For Valve Enclosure, Add	73.29	
		For Filler Piece, Add	66.29	
		For End Cap, Add	49.14	
		For Copper Tube With Aluminum Fins, Add	28.43	
23 82 36 00-0027	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	995.35	133.03
		For 90 Degree Corner, Add	86.01	
		For Valve Enclosure, Add	86.01	
		For Filler Piece, Add	79.01	
		For End Cap, Add	57.40	
		For Copper Tube With Aluminum Fins, Add	33.84	
23 82 36 00-0028	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,143.96	141.95
		For 90 Degree Corner, Add	91.12	
		For Valve Enclosure, Add	91.12	
		For Filler Piece, Add	84.12	
		For End Cap, Add	60.73	
		For Copper Tube With Aluminum Fins, Add	40.61	
23 82 36 00-0029	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,260.07	156.86
		For 90 Degree Corner, Add	99.57	
		For Valve Enclosure, Add	99.57	
		For Filler Piece, Add	92.57	
		For End Cap, Add	66.22	
		For Copper Tube With Aluminum Fins, Add	44.67	
23 82 36 00-0030	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,442.25	177.44
		For 90 Degree Corner, Add	111.39	
		For Valve Enclosure, Add	111.39	
		For Filler Piece, Add	104.39	
		For End Cap, Add	73.91	
		For Copper Tube With Aluminum Fins, Add	51.44	
23 82 36 00-0031	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,590.84	195.18
		For 90 Degree Corner, Add	121.42	
		For Valve Enclosure, Add	121.42	
		For Filler Piece, Add	114.42	
		For End Cap, Add	80.42	
		For Copper Tube With Aluminum Fins, Add	56.86	
23 82 36 00-0032		Electric Baseboard Heating (23 82 36)		
		Note: Includes 24 gauge steel enclosure and heating element		
23 82 36 00-0033		Electric Wall Heating 10" Enclosure (23 82 36 00-0032)		
23 82 36 00-0034	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element <250 Watts/FT.....	112.54	53.59
23 82 36 00-0035	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element >= 250 Watts/FT.....	114.75	53.59
23 82 36 00-0036		Electric Wall Heating 16" Enclosure (23 82 36 00-0032)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0037	LF	Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element <350 Watts/FT.....	134.63	53.59
23 82 36 00-0038	LF	Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element >= 350 Watts/FT.....	140.16	53.59
23 82 39 Unit Heaters (23 82)				
23 82 39 13 Cabinet Unit Heaters (23 82 39)				
23 82 39 13-0001		Electric Cabinet Unit Heaters (23 82 39 13) Note: Can be mounted on the ceiling, floor or wall. Includes built-in thermostat. 208, 240/208, 277, or 480 Volt.		
23 82 39 13-0002		Electric Cabinet Unit Heaters, 35" Cabinet Length (23 82 39 13-0001)		
23 82 39 13-0003	EA	2 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,256.31	121.78
23 82 39 13-0004	EA	3 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,273.97	121.78
23 82 39 13-0005	EA	4 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,291.64	121.78
23 82 39 13-0006	EA	5 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,309.29	121.78
23 82 39 13-0007	EA	6 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,326.96	121.78
23 82 39 13-0008	EA	7 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,344.62	121.78
23 82 39 13-0009	EA	8 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,362.99	121.78
23 82 39 13-0010	EA	For Ceiling Installation of 35" Cabinet Unit Heater, Add.....	162.69	80.86
23 82 39 13-0011		Electric Cabinet Unit Heaters, 45" Cabinet Length (23 82 39 13-0001)		
23 82 39 13-0012	EA	4 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,400.40	146.13
23 82 39 13-0013	EA	6 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,435.73	146.13
23 82 39 13-0014	EA	8 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,471.05	146.13
23 82 39 13-0015	EA	10 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,506.38	146.13
23 82 39 13-0016	EA	12 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,541.70	146.13
23 82 39 13-0017	EA	14 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,577.03	146.13
23 82 39 13-0018	EA	16 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,612.34	146.13
23 82 39 13-0019	EA	For Ceiling Installation of 45" Cabinet Unit Heater, Add.....	194.85	97.42
23 82 39 13-0020		Electric Cabinet Unit Heaters, 58" Cabinet Length (23 82 39 13-0001)		
23 82 39 13-0021	EA	6 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,015.67	194.85
23 82 39 13-0022	EA	8 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,050.98	194.85
23 82 39 13-0023	EA	10 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,086.31	194.85
23 82 39 13-0024	EA	12 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,121.63	194.85
23 82 39 13-0025	EA	14 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,156.96	194.85
23 82 39 13-0026	EA	16 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,192.28	194.85
23 82 39 13-0027	EA	For Ceiling Installation of 58" Cabinet Unit Heater, Add.....	243.55	121.78
23 82 39 13-0028		Electric Cabinet Unit Heaters, 68" Cabinet Length (23 82 39 13-0001)		
23 82 39 13-0029	EA	6 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,560.31	243.55
23 82 39 13-0030	EA	8 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,613.29	243.55
23 82 39 13-0031	EA	12 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,666.27	243.55
23 82 39 13-0032	EA	15 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,719.25	243.55
23 82 39 13-0033	EA	18 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,772.25	243.55
23 82 39 13-0034	EA	21 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,825.23	243.55
23 82 39 13-0035	EA	24 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,878.21	243.55
23 82 39 13-0036	EA	For Ceiling Installation of 68" Cabinet Unit Heater, Add.....	325.39	162.69
23 82 39 13-0037		Electric Cabinet Unit Heaters, 78" Cabinet Length (23 82 39 13-0001)		
23 82 39 13-0038	EA	8 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,175.57	292.27

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Decentralized Unitary HVAC Equipment

23 80

Convection Heating and Cooling Units

23 82

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 13-0039 EA 12 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,246.22	292.27
23 82 39 13-0040 EA 16 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,316.86	292.27
23 82 39 13-0041 EA 20 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,387.51	292.27
23 82 39 13-0042 EA 24 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,458.16	292.27
23 82 39 13-0043 EA 28 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,528.81	292.27
23 82 39 13-0044 EA 32 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,599.46	292.27
23 82 39 13-0045 EA For Ceiling Installation of 78" Cabinet Unit Heater, Add.....	389.68	194.85
23 82 39 13-0046 Removal and Reinstallation of Cabinet Unit Heaters (23 82 39 13) Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 13-0047 EA Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Floor or Wall.....	278.83	
23 82 39 13-0048 EA Removal And Reinstallation Of >58" Cabinet Unit Heater, Floor or Wall.....	481.63	
23 82 39 13-0049 EA Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Ceiling.....	574.91	
23 82 39 13-0050 EA Removal And Reinstallation Of >58" Cabinet Unit Heater, Ceiling.....	777.69	
23 82 39 16 Propeller Unit Heaters (23 82 39)		
23 82 39 16-0001 Hydronic Unit Heaters Using Steam Or Hot Water (23 82 39 16) Note: For use with either steam or heating hot water. Heating output capacities for both are listed.		
23 82 39 16-0002 Horizontal Hydronic Unit Heaters, Fan Propelled, 115 Volt (23 82 39 16-0001)		
23 82 39 16-0003 EA 18 MBH Steam, 13 MBH Hot Water, 395 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	763.14	101.40
23 82 39 16-0004 EA 24 MBH Steam, 17.4 MBH Hot Water, 450 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	764.67	101.40
23 82 39 16-0005 EA 36 MBH Steam, 26.1 MBH Hot Water, 550 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	852.52	101.40
23 82 39 16-0006 EA 48 MBH Steam, 34.8 MBH Hot Water, 750 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,045.36	152.09
23 82 39 16-0007 EA 60 MBH Steam, 43.6 MBH Hot Water, 900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,090.31	152.09
23 82 39 16-0008 EA 72 MBH Steam, 52.3 MBH Hot Water, 1,100 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,157.24	152.09
23 82 39 16-0009 EA 84 MBH Steam, 61 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,390.40	202.79
23 82 39 16-0010 EA 96 MBH Steam, 69.7 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,525.25	202.79
23 82 39 16-0011 EA 108 MBH Steam, 78.4 MBH Hot Water, 2,800 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,611.06	202.79
23 82 39 16-0012 EA 120 MBH Steam, 87.1 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,680.53	202.79
23 82 39 16-0013 EA 132 MBH Steam, 95.8 MBH Hot Water, 2,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,898.38	253.49
23 82 39 16-0014 EA 144 MBH Steam, 104 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,921.89	253.49
23 82 39 16-0015 EA 156 MBH Steam, 113 MBH Hot Water, 2,600 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,944.36	253.49
23 82 39 16-0016 EA 180 MBH Steam, 118 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,073.28	304.18
23 82 39 16-0017 EA 204 MBH Steam, 148 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,248.99	304.18
23 82 39 16-0018 EA 240 MBH Steam, 174 MBH Hot Water, 3,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,566.09	354.88
23 82 39 16-0019 EA 280 MBH Steam, 209.1 MBH Hot Water, 4,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	3,202.53	354.88
23 82 39 16-0020 EA 300 MBH Steam, 230 MBH Hot Water, 5,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	3,408.04	405.58
23 82 39 16-0021 EA 360 MBH Steam, 261.3 MBH Hot Water, 5,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	4,061.86	405.58
23 82 39 16-0022 EA Fan Guard For Fan Propelled Steam Unit Heater, Horizontal.....	206.48	25.35
Note: Required only for unit heaters located within 7' of a working surface.		
23 82 39 16-0023 Vertical Hydronic Unit Heaters, Fan Propelled, 115 Volt (23 82 39 16-0001)		
23 82 39 16-0024 EA 41.3 MBH Steam, 22.7 MBH Hot Water, 595 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,105.65	101.40
23 82 39 16-0025 EA 65.5 MBH Steam, 39.6 MBH Hot Water, 989 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,154.17	152.09
23 82 39 16-0026 EA 80.6 MBH Steam, 48.4 MBH Hot Water, 1,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,242.54	152.09
23 82 39 16-0027 EA 101.8 MBH Steam, 68.3 MBH Hot Water, 1,490 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,528.32	202.79
23 82 39 16-0028 EA 124.4 MBH Steam, 83.7 MBH Hot Water, 1,790 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,615.15	202.79
23 82 39 16-0029 EA 152 MBH Steam, 105.2 MBH Hot Water, 2,220 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,915.95	304.18
23 82 39 16-0030 EA 173 MBH Steam, 118.6 MBH Hot Water, 2,620 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,048.76	304.18
23 82 39 16-0031 EA 210.2 MBH Steam, 139.7 MBH Hot Water, 3,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,160.12	304.18
23 82 39 16-0032 EA 249.8 MBH Steam, 180.1 MBH Hot Water, 4,180 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,413.86	354.88
23 82 39 16-0033 EA 283.8 MBH Steam, 205.4 MBH Hot Water, 4,430 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,545.66	354.88
23 82 39 16-0034 EA 333.4 MBH Steam, 242.9 MBH Hot Water, 5,210 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,812.28	354.88
23 82 39 16-0035 EA 386 MBH Steam, 280.8 MBH Hot Water, 6,140 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,258.12	456.27
23 82 39 16-0036 EA 496 MBH Steam, 368.1 MBH Hot Water, 8,020 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	4,144.86	456.27
23 82 39 16-0037 EA 585 MBH Steam, 431.1 MBH Hot Water, 9,450 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	4,416.61	456.27
23 82 39 16-0038 EA 705 MBH Steam, 519.4 MBH Hot Water, 11,000 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	5,026.76	506.97
23 82 39 16-0039 EA Fan Guard For Fan Propelled Steam Unit Heater, Vertical.....	282.08	25.35
Note: Required only for unit heaters located within 7' of a working surface.		
23 82 39 16-0040 Removal and Reinstallation of Propeller Unit Heaters (23 82 39 16) Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 16-0041 EA Removal And Reinstallation Of Up To 120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical.....	608.36	
23 82 39 16-0042 EA Removal And Reinstallation Of >120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical.....	811.15	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 82 39 19 Wall and Ceiling Unit Heaters (23 82 39)****23 82 39 19-0001****Electric Unit Heaters (23 82 39 19)**

Note: May be mounted both vertically and horizontally.

23 82 39 19-0002	EA	3 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt.....	666.33	97.42
23 82 39 19-0003	EA	5 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt.....	666.33	97.42
23 82 39 19-0004	EA	7.5 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt.....	892.52	121.78
23 82 39 19-0005	EA	10 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt.....	1,024.59	146.13
23 82 39 19-0006	EA	15 KW, 910 CFM Electric Unit Heater, 208, 240/208, or 277 Volt.....	1,492.43	194.85
23 82 39 19-0007	EA	20 KW, 1,320 CFM Electric Unit Heater, 208, 240/208, 277, or 480 Volt.....	2,168.32	243.55
23 82 39 19-0008	EA	30 KW, 2,100 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt.....	2,986.66	292.27
23 82 39 19-0009	EA	50 KW, 3,000 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt.....	4,353.61	340.98
23 82 39 19-0010	EA	3 KW, 350 CFM Electric Unit Heater - 480 Volt.....	819.60	97.42
23 82 39 19-0011	EA	5 KW, 350 CFM Electric Unit Heater - 480 Volt.....	789.68	97.42
23 82 39 19-0012	EA	7.5 KW, 650 CFM Electric Unit Heater - 480 Volt.....	936.33	121.78
23 82 39 19-0013	EA	10 KW, 650 CFM Electric Unit Heater - 480 Volt.....	1,081.58	146.13
23 82 39 19-0014	EA	15 KW, 910 CFM Electric Unit Heater - 480 Volt.....	1,606.41	194.85

23 82 39 19-0015**Electric Ceiling and Wall Heaters (23 82 39 19)**

Note: The "/" between wattages indicates two or three speed operation. 120, 240/208 or 277 Volt.

23 82 39 19-0016	EA	1,000, 1,500 Or 2,000 Watt Recessed Electric Wall Heater.....	342.06	60.89
23 82 39 19-0017	EA	1,500/750 Or 2,000/1,000 Watt Recessed Electric Wall Heater.....	400.81	68.20
23 82 39 19-0018	EA	3,000, 3,600, 4,000 Or 4,800 Watt Recessed Electric Wall Heater.....	634.44	68.20
23 82 39 19-0019	EA	1,000, 1,500 Or 2,000 Watt Surface Mounted Electric Wall Heater.....	390.04	60.89
23 82 39 19-0020	EA	1,500/750 Or 2,000/1,000 Watt Surface Mounted Electric Wall Heater.....	476.54	68.20
23 82 39 19-0021	EA	3,000, 3,600, 4,000 Or 4,800 Watt Surface Mounted Electric Wall Heater.....	723.39	68.20
23 82 39 19-0022	EA	1,000, 1,500 Or 2,000/1,500 Watt Recessed Electric Ceiling Heater.....	512.91	80.37
23 82 39 19-0023	EA	3,000, 4,000 Or 4,000/3,000 Watt Recessed Electric Ceiling Heater.....	968.81	85.24
23 82 39 19-0024	EA	4,800/3,600 Watt Recessed Electric Ceiling Heater.....	1,092.28	85.24
23 82 39 19-0025	EA	4,000/3,000/2,000 Watt Recessed Or Surface Mounted Electric Ceiling Heater.....	1,269.63	90.12
23 82 39 19-0026	EA	5,000/3,800/2,500 Watt Recessed Or Surface Mounted Electric Ceiling Heater.....	1,378.04	90.12
23 82 39 19-0027	EA	1,000, 1,500 Or 2,000/1,500 Watt Surface Mounted Electric Ceiling Heater.....	577.04	80.37
23 82 39 19-0028	EA	3,000, 4,000 Or 4,000/3,000 Watt Surface Mounted Electric Ceiling Heater.....	1,069.83	85.24
23 82 39 19-0029	EA	4,800/3,600 Watt Surface Mounted Electric Ceiling Heater.....	1,193.30	85.24
23 82 39 19-0030	EA	Selectable Wattage (500 Or 750 Or 1000 Or 1,250 Or 1,500 Or 1,750 Or 2,250 Watt), 240 Volt, Surface Mounted, Electric Wall Heater (Markel Series 305 - Model H30522T2DWB).....	443.54	60.89

23 82 39 19-0031**Removal And Reinstallation Of Electric Unit Heaters (23 82 39 19)**

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 19-0032	EA	Removal And Reinstallation Of Up To 15KW Electric Unit Heater.....	365.04	
23 82 39 19-0033	EA	Removal And Reinstallation Of >15 KW Electric Unit Heater.....	750.40	

23 84 Humidity Control Equipment (23 80)**23 84 13 Humidifiers (23 84)****23 84 13 16 Wetted-Element Humidifiers (23 84 13)****23 84 13 16-0001****Electric Steam Humidifiers, Self-Steam Producing (23 84 13 16)**

Note: Electronic modulating duct or air handling unit installation 208V-108V with 12"-72" manifolds included.

23 84 13 16-0002	EA	1-96 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold.....	8,453.53	417.75
23 84 13 16-0003	EA	20-168 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold.....	10,679.30	418.75

23 84 13 23 Direct-Steam-Injection Humidifiers (23 84 13)**23 84 13 23-0001****Steam Type Pneumatically Controlled (23 84 13 23)**

Note: For duct or air handling installation standard unit with integral operator distribution manifold strainer trap and pneumatic modulating valve. Excludes humidistat and piping.

23 84 13 23-0002	EA	3-191 LB/Hour Steam Humidifier, 24" Manifold, Pneumatic Controls.....	1,435.60	267.68
		For Electrically Controlled Unit, Add.....	700.00	
		For Each Additional Manifold, Add.....	444.20	
23 84 13 23-0003	EA	3-191 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls.....	1,435.60	267.68
		For Electrically Controlled Unit, Add.....	700.00	
		For Each Additional Manifold, Add.....	444.20	
23 84 13 23-0004	EA	65-334 LB/Hour Steam Humidifier, 36" Manifold, Pneumatic Controls.....	2,021.21	267.68
		For Electrically Controlled Unit, Add.....	700.00	
		For Each Additional Manifold, Add.....	619.88	
23 84 13 23-0005	EA	65-334 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls.....	2,122.60	334.60
		For Electrically Controlled Unit, Add.....	700.00	
		For Each Additional Manifold, Add.....	653.68	
23 84 13 23-0006	EA	100-690 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls.....	2,984.10	267.68
		For Electrically Controlled Unit, Add.....	700.00	
		For Each Additional Manifold, Add.....	908.75	
23 84 13 23-0007	EA	100-690 LB/Hour Steam Humidifier, 84" Manifold, Pneumatic Controls.....	3,085.49	334.60
		For Electrically Controlled Unit, Add.....	700.00	
		For Each Additional Manifold, Add.....	942.55	



Heating, Ventilating, and Air-Conditioning (HVAC)		23
Decentralized Unitary HVAC Equipment		23 80
Humidity Control Equipment		23 84

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 84 13 23-0008 EA 220-2,000 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls <i>For Electrically Controlled Unit, Add</i> <i>For Each Additional Manifold, Add</i>	4,590.02 700.00 1,393.90	334.60
23 84 13 23-0009 EA 220-2,000 LB/Hour Steam Humidifier, 144" Manifold, Pneumatic Controls <i>For Electrically Controlled Unit, Add</i> <i>For Each Additional Manifold, Add</i>	4,716.76 700.00 1,436.15	418.75
23 84 13 29 Self-Contained Steam Humidifiers (23 84 13)		
23 84 13 29-0001 Residential Humidifiers (23 84 13 29)		
Note: Includes solenoid valve and flow through water supply.		
23 84 13 29-0002 EA Duct Or Furnace Mounted Humidifier, Residential Type	434.26	50.70
23 84 16 Mechanical Dehumidification Units (23 84)		
23 84 16 16 Indoor, Mechanical Dehumidification Units (23 84 16)		
23 84 16 16-0001 Mechanical Dehumidification Units (23 84 16 16)		
Note: Sized by moisture removal per 24 hours.		
23 84 16 16-0002 EA 65 Pint Per Day, 160 CFM, 8" Duct Connection, Refrigerant Dehumidifier	1,503.49	48.71
23 84 16 16-0003 EA 90 Pint Per Day, 235 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	1,889.64	56.82
23 84 16 16-0004 EA 120 Pint Per Day, 350 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	2,527.98	64.95
23 84 16 33 Portable Dehumidifiers (23 84 16)		
23 84 16 33-0001 Self Contained Free Standing Unit (23 84 16 33)		
Note: Sized by moisture removal per 24 hours.		
23 84 16 33-0002 EA 30 Pint/24 Hour Dehumidifier	363.92	105.47
23 84 16 33-0003 EA 50 Pint/24 Hour Dehumidifier	432.31	105.47
23 84 16 33-0004 EA 70 Pint/24 Hour Dehumidifier	473.35	105.47

END OF SECTION 23

23	23	Heating, Ventilating, and Air-Conditioning (HVAC)
	23 80	Decentralized Unitary HVAC Equipment
	23 84	Humidity Control Equipment



MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST		UNIT COST

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Integrated Automation		25	25
Integrated Automation Facility Controls		25 50	
Integrated Automation Control of HVAC		25 55	

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

25 Integrated Automation

25 50 Integrated Automation Facility Controls ⁽²⁵⁾

25 55 Integrated Automation Control of HVAC ^(25 50)
See CSI section 23 09 00 00-0000 for Instrumentation And Control For HVAC.

END OF SECTION 25

NOT FOR BID

25	25	Integrated Automation
	25 50	Integrated Automation Facility Controls
	25 55	Integrated Automation Control of HVAC



MINOR			TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT	COST	UNIT	COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels. Electrical equipment and lighting shall conform to California Title 24.

26 01 Operation and Maintenance of Electrical Systems ⁽²⁶⁾

26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution ^(26 01)

26 01 10 91 Medium-Voltage Electrical Distribution Restoration ^(26 01 10)

26 01 10 91-0001	Retrofit Distribution Enclosures ^(26 01 10 91) Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.	
26 01 10 91-0002	EA 2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C).....	365.92
	Note: 2mm thick, aluminum frame, hinged cover.	
	For Up To 20, Add	75.02
	For >20 To 50, Add	60.01
	For >50 To 100, Add	30.01
26 01 10 91-0003	EA 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C).....	473.47
	Note: 2mm thick, aluminum frame, hinged cover.	
	For Up To 20, Add	101.91
	For >20 To 50, Add	81.52
	For >50 To 100, Add	40.76
26 01 10 91-0004	EA 4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C).....	710.09
	Note: 4mm thick, aluminum frame, hinged cover.	
	For Up To 20, Add	161.06
	For >20 To 50, Add	128.85
	For >50 To 100, Add	64.42
26 01 10 91-0005	EA 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 1 Rated (Fluke CLKTO).....	362.85
	Note: 2mm thick, aluminum frame, twist cover.	
	For Up To 20, Add	74.25
	For >20 To 50, Add	59.40
	For >50 To 100, Add	29.70
26 01 10 91-0006	EA 2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2)	364.75
	Note: 2mm thick, aluminum frame, twist cover.	
	For Up To 20, Add	74.73
	For >20 To 50, Add	59.78
	For >50 To 100, Add	29.89
26 01 10 91-0007	EA 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3)	464.71
	Note: 2mm thick, aluminum frame, twist cover.	
	For Up To 20, Add	99.72
	For >20 To 50, Add	79.77
	For >50 To 100, Add	39.89
26 01 10 91-0008	EA 4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4)	690.64
	Note: 4mm thick, aluminum frame, twist cover.	
	For Up To 20, Add	156.20
	For >20 To 50, Add	124.96
	For >50 To 100, Add	62.48
26 01 10 91-0009	EA 2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPR).....	288.48
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
	For Up To 20, Add	55.66
	For >20 To 50, Add	44.53
	For >50 To 100, Add	22.26
26 01 10 91-0010	EA 3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPR).....	404.64
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
	For Up To 20, Add	84.70
	For >20 To 50, Add	67.76
	For >50 To 100, Add	33.88
26 01 10 91-0011	EA 4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPR).....	574.03
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
	For Up To 20, Add	127.05
	For >20 To 50, Add	101.64
	For >50 To 100, Add	50.82
26 01 10 91-0012	EA 2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	523.77
	Note: 4mm thick, aluminum frame, magnetic cover.	
	For Up To 20, Add	114.48
	For >20 To 50, Add	91.58
	For >50 To 100, Add	45.79
26 01 10 91-0013	EA 3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	718.11
	Note: 4mm thick, aluminum frame, magnetic cover.	
	For Up To 20, Add	163.07
	For >20 To 50, Add	130.45
	For >50 To 100, Add	65.23

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 01 10 91-0014	EA	4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	1,311.67	
		Note: 4mm thick, aluminum frame, magnetic cover.		
		For Up To 20, Add	311.46	
		For >20 To 50, Add	249.16	
		For >50 To 100, Add	124.58	
26 01 10 91-0015	EA	3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	601.02	
		Note: 4mm thick, aluminum frame, magnetic cover.		
		For Up To 20, Add	133.79	
		For >20 To 50, Add	107.03	
		For >50 To 100, Add	53.52	
26 01 10 91-0016	EA	4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	882.40	
		Note: 4mm thick, aluminum frame, magnetic cover.		
		For Up To 20, Add	204.14	
		For >20 To 50, Add	163.31	
		For >50 To 100, Add	81.66	

26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution (26 01)

26 01 20 91 Low-Voltage Electrical Distribution Restoration (26 01 20)

26 01 20 91-0001		Lock Out/Tag Out Devices <small>(26 01 20 91)</small>		
		Note: Includes the installation and removal of device lock, pad lock and identifying markers. Includes following OSHA procedures and completing Owner's paperwork. Excludes circuit tracing.		
26 01 20 91-0002	EA	Lock Out/Tag Out Local Disconnect	26.72	
26 01 20 91-0003	EA	Lock Out/Tag Out Breaker Or Motor Starter	26.72	
26 01 20 91-0004	EA	Lock Out/Tag Out Tags	3.68	
26 01 20 91-0005		Existing Circuit Tracing <small>(26 01 20 91)</small>		
26 01 20 91-0006	EA	Motors, Disconnects And Other Single Source Devices, Existing Circuit Tracing Per Device	22.23	
26 01 20 91-0007	EA	Lighting, Existing Circuit Tracing Per Circuit	22.23	

26 01 30 Operation and Maintenance of Facility Electrical Power Generating and Storing Equipment (26 01)

26 01 30 91 Facility Electrical Power Generating and Storing Equipment Restoration (26 01 30)

26 01 30 91-0001		Emergency Generator Permits <small>(26 01 30 91)</small>		
26 01 30 91-0002		Air Pollution Control Board <small>(26 01 30 91-0001)</small>		
26 01 30 91-0003	EA	APCD Permit To Construct And Operate Emergency Generator	3,124.06	

26 01 50 Operation and Maintenance of Lighting (26 01)

26 01 50 51 Luminaire Relamping (26 01 50)

26 01 50 51-0001		Replace Lamps In Existing Fixtures <small>(26 01 50 51)</small>		
		Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps. See CSI section 26 01 50 51-0378 for disposal of hazardous lamps.		
26 01 50 51-0002		Halogen Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0003	EA	300 Watt, T3, Tungsten Halogen Lamp	41.77	
26 01 50 51-0004	EA	500 Watt, T3, Tungsten Halogen Lamp	53.35	
26 01 50 51-0005	EA	1,000 Watt, T3, Tungsten Halogen Lamp	78.95	
26 01 50 51-0006	EA	60 Watt, PAR38, Halogen Lamp	21.63	
26 01 50 51-0007	EA	75 Watt, PAR38, Halogen Lamp	21.63	
26 01 50 51-0008	EA	90 Watt, PAR38, Halogen Lamp	20.60	
26 01 50 51-0009	EA	100 Watt, PAR38, Halogen Lamp	20.60	
26 01 50 51-0010	EA	60 Watt, PAR38, Halogen IR Reflective Lamp	23.39	
26 01 50 51-0011	EA	67 Watt, PAR38, Halogen IR Reflective Lamp	25.12	
26 01 50 51-0012	EA	70 Watt, PAR38, Halogen IR Reflective Lamp	24.68	
26 01 50 51-0013	EA	90 Watt, PAR38, Halogen IR Reflective Lamp	26.00	
26 01 50 51-0014	EA	100 Watt, PAR38, Halogen IR Reflective Lamp	26.28	
26 01 50 51-0015	EA	12 Watt, 10 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-65-B01-12-830-10)	24.70	
26 01 50 51-0016	EA	12 Watt, 20 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-20)	24.70	
26 01 50 51-0017	EA	12 Watt, 25 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-25)	27.45	
26 01 50 51-0018	EA	12 Watt, 36 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-36)	27.45	
26 01 50 51-0019		Incandescent Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0020	EA	100 Watt, Frosted, Interior Incandescent Lamp	5.99	
		For Multiple Lamps In Fixture, Deduct	-1.77	
26 01 50 51-0021	EA	150 Watt, Frosted, Interior Incandescent Lamp	7.30	
		For Multiple Lamps In Fixture, Deduct	-1.77	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0022	EA	200 Watt, Frosted, Interior Incandescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	8.77 -1.77	
26 01 50 51-0023	EA	300 Watt, PS25, Interior Incandescent Lamp..... <i>For Multiple Lamps In Fixture, Deduct</i>	10.62 -1.77	
26 01 50 51-0024	EA	60 Watt, G25, Clear, Interior Incandescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	8.12 -1.77	
26 01 50 51-0025	EA	75 Watt, R20, Interior Incandescent Lamp..... <i>For Multiple Lamps In Fixture, Deduct</i>	12.61 -2.12	
26 01 50 51-0026	EA	75 Watt, PAR38, Exterior Incandescent Lamp..... <i>For Multiple Lamps In Fixture, Deduct</i>	15.20 -2.12	
26 01 50 51-0027	EA	100 Watt, PAR38, Exterior Incandescent Lamp..... <i>For Multiple Lamps In Fixture, Deduct</i>	14.17 -2.12	
26 01 50 51-0028	EA	150 Watt, PAR38, Exterior Incandescent Lamp..... <i>For Multiple Lamps In Fixture, Deduct</i>	23.98 -2.12	
26 01 50 51-0029	EA	250 Watt, PAR38, Exterior Incandescent Lamp..... <i>For Multiple Lamps In Fixture, Deduct</i>	48.82 -2.48	
26 01 50 51-0030	EA	300 Watt, PAR56, Exterior Incandescent Lamp..... <i>For Multiple Lamps In Fixture, Deduct</i>	56.02 -2.48	
26 01 50 51-0031 Exit Light Lamps (26 01 50 51-0001)				
26 01 50 51-0032	EA	Convert Exit Light Lamps To Red LED Lamps..... <i>For Green LED Lamps, Add</i>	98.91 25.00	
26 01 50 51-0033	EA	Fluorescent Lamp For Exit Light <i>For Multiple Lamps In Fixture, Deduct</i>	27.93 -7.08	
26 01 50 51-0034	EA	Lamp Replacement For Emergency Lights On Exit Sign..... <i>For Multiple Lamps In Fixture, Deduct</i>	34.21 -3.54	
26 01 50 51-0035 Fluorescent Lamps (26 01 50 51-0001)				
26 01 50 51-0036	EA	18", 15 Watt, T8 Fluorescent Lamp..... <i>For Multiple Lamps In Fixture, Deduct</i>	10.52 -2.83	
26 01 50 51-0037	EA	2', 17 Watt, T8 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	12.22 -2.83	
26 01 50 51-0038	EA	3', 25 Watt, T8 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	13.99 -3.18	
26 01 50 51-0039	EA	4', 32 Watt, T8 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	13.13 -3.18	
26 01 50 51-0040	EA	4', 30 Watt, T8 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	16.90 -3.18	
26 01 50 51-0041	EA	4', 28 Watt, T8 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	15.13 -3.18	
26 01 50 51-0042	EA	4', 25 Watt, T8 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	15.06 -3.18	
26 01 50 51-0043	EA	4', 44 Watt, T8HO Fluorescent Lamp..... <i>For Multiple Lamps In Fixture, Deduct</i>	22.70 -3.18	
26 01 50 51-0044	EA	8', 59 Watt, T8 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	17.90 -3.18	
26 01 50 51-0045	EA	18", 15 Watt, T12 Fluorescent Lamp..... <i>For Multiple Lamps In Fixture, Deduct</i>	14.78 -2.83	
26 01 50 51-0046	EA	2', 20 Watt, T12 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	11.73 -2.83	
26 01 50 51-0047	EA	3', 30 Watt, T12 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	13.19 -3.18	
26 01 50 51-0048	EA	4', 34 Watt, T12 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	13.24 -3.18	
26 01 50 51-0049	EA	4', 40 Watt, T12 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	13.02 -3.18	
26 01 50 51-0050	EA	8', 60 Watt, T12 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	18.29 -3.18	
26 01 50 51-0051	EA	8', 75 Watt, T12 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	15.83 -3.18	
26 01 50 51-0052	EA	8', 95 Watt, Instant Start T12 Fluorescent Lamp.....	22.34	
26 01 50 51-0053	EA	6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp..... <i>For Multiple Lamps In Fixture, Deduct</i>	14.93 -2.83	
26 01 50 51-0054	EA	8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp..... <i>For Multiple Lamps In Fixture, Deduct</i>	12.67 -2.83	
26 01 50 51-0055	EA	12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp..... <i>For Multiple Lamps In Fixture, Deduct</i>	12.33 -2.83	
26 01 50 51-0056	EA	16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp..... <i>For Multiple Lamps In Fixture, Deduct</i>	13.41 -2.83	
26 01 50 51-0057	EA	32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp..... <i>For Multiple Lamps In Fixture, Deduct</i>	21.28 -3.54	
26 01 50 51-0058	EA	40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp..... <i>For Multiple Lamps In Fixture, Deduct</i>	20.62 -3.54	
26 01 50 51-0059	EA	6", 4 Watt, T5 Fluorescent Lamp..... <i>For Multiple Lamps In Fixture, Deduct</i>	11.44 -2.83	
26 01 50 51-0060	EA	9", 6 Watt, T5 Fluorescent Lamp..... <i>For Multiple Lamps In Fixture, Deduct</i>	11.29 -2.83	
26 01 50 51-0061	EA	12", 8 Watt, T5 Fluorescent Lamp..... <i>For Multiple Lamps In Fixture, Deduct</i>	11.58 -2.83	
26 01 50 51-0062	EA	21", 13 Watt, T5 Fluorescent Lamp..... <i>For Multiple Lamps In Fixture, Deduct</i>	12.01 -2.83	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0063 EA 24", 14 Watt, T5 Fluorescent Lamp.....	13.51	
For Multiple Lamps In Fixture, Deduct	-2.83	
26 01 50 51-0064 EA 34", 21 Watt, T5 Fluorescent Lamp.....	14.78	
For Multiple Lamps In Fixture, Deduct	-3.18	
26 01 50 51-0065 EA 46", 28 Watt, T5 Fluorescent Lamp.....	14.39	
For Multiple Lamps In Fixture, Deduct	-3.18	
26 01 50 51-0066 EA 46", 54 Watt, T5HO Fluorescent Lamp	15.51	
For Multiple Lamps In Fixture, Deduct	-3.18	
26 01 50 51-0067 EA 46", 54 Watt T5 Fluorescent Lamp.....	14.78	
26 01 50 51-0068 EA 5-13 Watt, 2-Pin Compact Fluorescent Lamp	8.69	
For Multiple Lamps In Fixture, Deduct	-1.77	
26 01 50 51-0069 EA 9-26 Watt, 4-Pin Compact Fluorescent Lamp	9.46	
For Multiple Lamps In Fixture, Deduct	-1.77	
26 01 50 51-0070 EA 27-55 Watt, 4-Pin Compact Fluorescent Lamp	18.02	
For Multiple Lamps In Fixture, Deduct	-1.77	
26 01 50 51-0071 EA Compact Fluorescent 13 Watt, 4-Pin Lamps CF13DD/E/827, Dulux	23.88	
26 01 50 51-0072 EA Compact Fluorescent 18 Watt, 4-Pin Lamps CF18DD/E/827, Dulux	23.88	
26 01 50 51-0073 EA 32 Watt 2D (DoubleD) Fluorescent Lamp, 4-Pin	42.28	
26 01 50 51-0074 EA 26 Watt (1,600 Lumens) 4-pin Quad Tube PL Lamp.....	16.20	
26 01 50 51-0075 EA <9 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....	8.29	
26 01 50 51-0076 EA 9 To 27 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....	7.45	
26 01 50 51-0077 EA 29 To 32 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....	7.45	
26 01 50 51-0078 EA 33 To 42 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....	25.25	
26 01 50 51-0079 EA 43 To 65 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....	27.36	
26 01 50 51-0080 EA 85 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....	50.21	
26 01 50 51-0081 EA 105 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....	59.73	
26 01 50 51-0082 EA 200 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....	61.67	
26 01 50 51-0083 EA 11 Watt, Screw-In, Compact Fluorescent Reflector Lamps.....	24.11	
26 01 50 51-0084 EA 15 Watt, Screw-In, Compact Fluorescent Reflector Lamps.....	25.04	
26 01 50 51-0085 EA 20 To 28 Watt, Screw-In, Compact Fluorescent Reflector Lamps.....	28.53	
26 01 50 51-0086 Mercury Vapor Lamps (26 01 50 51-0001)		
26 01 50 51-0087 EA 100 Watt, Mercury Vapor Lamp	36.07	
26 01 50 51-0088 EA 175 Watt, Mercury Vapor Lamp	33.11	
26 01 50 51-0089 EA 250 Watt, Mercury Vapor Lamp	31.63	
26 01 50 51-0090 EA 400 Watt, Mercury Vapor Lamp	37.90	
26 01 50 51-0091 EA 1,000 Watt, Mercury Vapor Lamp	63.12	
26 01 50 51-0092 Metal Halide Lamps (26 01 50 51-0001)		
26 01 50 51-0093 EA 50 Watt, Pulse Start Metal Halide Lamp	36.70	
26 01 50 51-0094 EA 70 Watt, Pulse Start Metal Halide Lamp	35.31	
26 01 50 51-0095 EA 100 Watt, Pulse Start Metal Halide Lamp	39.69	
26 01 50 51-0096 EA 150 Watt, Pulse Start Metal Halide Lamp	38.69	
26 01 50 51-0097 EA 175 Watt, Pulse Start Metal Halide Lamp	38.41	
26 01 50 51-0098 EA 250 Watt, Pulse Start Metal Halide Lamp	38.60	
26 01 50 51-0099 EA 400 Watt, Pulse Start Metal Halide Lamp	45.57	
26 01 50 51-0100 EA 1,000 Watt, Pulse Start Metal Halide Lamp	52.26	
26 01 50 51-0101 EA 1,500 Watt, Pulse Start Metal Halide Lamp	51.98	
26 01 50 51-0102 High Pressure Sodium Lamps (26 01 50 51-0001)		
26 01 50 51-0103 EA 35 Watt, High Pressure Sodium Lamp.....	31.05	
For Enclosed And Gasket Light Fixtures, Add	2.72	
26 01 50 51-0104 EA 50 Watt, High Pressure Sodium Lamp.....	31.05	
For Enclosed And Gasket Light Fixtures, Add	2.72	
26 01 50 51-0105 EA 70 Watt, High Pressure Sodium Lamp.....	31.65	
For Enclosed And Gasket Light Fixtures, Add	2.72	
26 01 50 51-0106 EA 100 Watt, High Pressure Sodium Lamp	32.79	
For Enclosed And Gasket Light Fixtures, Add	2.72	
26 01 50 51-0107 EA 150 Watt, High Pressure Sodium Lamp	31.65	
For Enclosed And Gasket Light Fixtures, Add	2.72	
26 01 50 51-0108 EA 250 Watt, High Pressure Sodium Lamp	31.65	
For Enclosed And Gasket Light Fixtures, Add	2.72	
26 01 50 51-0109 EA 400 Watt, High Pressure Sodium Lamp	29.96	
For Enclosed And Gasket Light Fixtures, Add	2.72	
26 01 50 51-0110 EA 1,000 Watt, High Pressure Sodium Lamp	64.38	
26 01 50 51-0111 Low Pressure Sodium Lamps (26 01 50 51-0001)		
26 01 50 51-0112 EA 35 Watt, Low Pressure Sodium Lamp.....	72.06	
26 01 50 51-0113 EA 55 Watt, Low Pressure Sodium Lamp.....	79.90	
26 01 50 51-0114 EA 70 Watt, Low Pressure Sodium Lamp.....	81.66	
26 01 50 51-0115 EA 90 Watt, Low Pressure Sodium Lamp.....	83.43	
26 01 50 51-0116 EA 135 Watt, Low Pressure Sodium Lamp.....	90.49	
26 01 50 51-0117 EA 180 Watt, Low Pressure Sodium Lamp.....	122.25	
26 01 50 51-0118 LED Lamps (26 01 50 51-0001)		
26 01 50 51-0119 LED Lamps, Candelabra Base, CA10 (26 01 50 51-0118)		



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0120	EA	3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star)	11.29	
26 01 50 51-0121		LED Lamps, Medium Base, A19 Or A21 (26 01 50 51-0118)		
26 01 50 51-0122	EA	6 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star).....	14.19	
26 01 50 51-0123	EA	11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star).....	14.19	
26 01 50 51-0124	EA	14 Watt (75 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star).....	21.97	
26 01 50 51-0125	EA	17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star).....	16.15	
26 01 50 51-0126	EA	18 Watt (100 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star).....	26.84	
26 01 50 51-0127		LED Lamps, Medium Base, BR30 Or BR40 (26 01 50 51-0118)		
26 01 50 51-0128	EA	9.5 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star).....	19.56	
26 01 50 51-0129	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star).....	17.91	
26 01 50 51-0130	EA	11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	22.28	
26 01 50 51-0131	EA	14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	19.37	
26 01 50 51-0132	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	24.23	
26 01 50 51-0133	EA	18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	19.37	
26 01 50 51-0134		LED Lamps, Medium Base, PAR (26 01 50 51-0118)		
26 01 50 51-0135	EA	7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star).....	21.12	
26 01 50 51-0136	EA	12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star).....	27.16	
26 01 50 51-0137	EA	16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	27.16	
26 01 50 51-0138	EA	15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	26.19	
26 01 50 51-0139	EA	12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	25.21	
26 01 50 51-0140	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star).....	25.21	
26 01 50 51-0141	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star).....	44.87	
26 01 50 51-0142	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star).....	27.16	
26 01 50 51-0143	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star).....	26.19	
26 01 50 51-0144	EA	19 Watt (120 Watt Halogen Equivalent), Medium Base, Par38, Dimmable LED Lamp (Energy Star).....	27.16	
26 01 50 51-0145	EA	24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star).....	27.16	
26 01 50 51-0146		LED Lamps, GU Base, MR16 (26 01 50 51-0118)		
26 01 50 51-0147	EA	4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star).....	15.97	
26 01 50 51-0148	EA	6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star).....	19.56	
26 01 50 51-0149	EA	8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star).....	21.12	
26 01 50 51-0150		LED Lamps, PL Series (26 01 50 51-0118)		
26 01 50 51-0151	EA	3.5 Watt, 2-Pin CFL G23 Base, Hybrid Lamp (GreenCreative PLS 3.5 HYB G23).....	18.45	
26 01 50 51-0152	EA	26 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/827/DIR).....	24.03	
26 01 50 51-0153	EA	26 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/830/DIR).....	19.90	
26 01 50 51-0154	EA	26 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/835/DIR).....	22.48	
26 01 50 51-0155	EA	26 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/840/DIR).....	22.48	
26 01 50 51-0156	EA	26 Watt, 3000K CCT, High CRI, PL EDGE DiRect Series (Green Creative 10.5PLH/930/DIR).....	27.12	
26 01 50 51-0157	EA	13-18 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/827/DIR).....	22.48	
26 01 50 51-0158	EA	13-18 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/830/DIR).....	22.48	
26 01 50 51-0159	EA	13-18 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/835/DIR).....	22.48	
26 01 50 51-0160	EA	13-18 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/840/DIR).....	22.48	
26 01 50 51-0161	EA	26 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 10PLV/827/DIR).....	25.57	
26 01 50 51-0162	EA	26 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 10PLV/830/DIR).....	25.57	
26 01 50 51-0163	EA	26 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 10PLV/835/DIR).....	25.57	
26 01 50 51-0164	EA	26 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 10PLV/840/DIR).....	25.57	
26 01 50 51-0165	EA	26 Watt, 3000K CCT, High CRI, PL EDGE DiRect Series (Green Creative 11PLV/930/DIR).....	24.03	
26 01 50 51-0166	EA	13-18 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/827/DIR).....	24.03	
26 01 50 51-0167	EA	13-18 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/830/DIR).....	24.03	
26 01 50 51-0168	EA	13-18 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/835/DIR).....	25.06	
26 01 50 51-0169	EA	13-18 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/840/DIR).....	25.06	
26 01 50 51-0170	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/827/BYP).....	25.28	
26 01 50 51-0171	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/830/BYP).....	25.28	
26 01 50 51-0172	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/835/BYP).....	25.28	
26 01 50 51-0173	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/840/BYP).....	25.28	
26 01 50 51-0174	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP).....	26.09	
26 01 50 51-0175	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP).....	26.09	
26 01 50 51-0176	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/E26).....	26.09	
26 01 50 51-0177	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/E26).....	26.09	
26 01 50 51-0178	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/E26).....	26.09	
26 01 50 51-0179	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/GU24).....	26.09	
26 01 50 51-0180	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/GU24).....	26.09	
26 01 50 51-0181	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/GU24).....	26.09	
26 01 50 51-0182	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/827/BYP).....	34.14	
26 01 50 51-0183	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/830/BYP).....	34.14	
26 01 50 51-0184	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/835/BYP).....	34.14	
26 01 50 51-0185	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/840/BYP).....	32.28	
26 01 50 51-0186	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 7PLV/835/BYP).....	32.28	
26 01 50 51-0187	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 7PLV/840/BYP).....	32.28	
26 01 50 51-0188	EA	4 Pin, 6 Watt, 560 Lumens 4000K CCT, Horizontal Mount LED PL Lamp (Green Creative 57898)	18.54	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 01 50 51-0189**HID LED Lamps, Medium Base E26** (26 01 50 51-0118)

26 01 50 51-0190	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/840/277V/E26).....	67.83
26 01 50 51-0191	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/850/277V/E26).....	67.83
26 01 50 51-0192	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/840/277V/E26).....	86.89
26 01 50 51-0193	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/850/277V/E26).....	86.89
26 01 50 51-0194	EA	10 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-3026).....	56.25
26 01 50 51-0195	EA	10 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-4026).....	56.25
26 01 50 51-0196	EA	10 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-5026).....	56.25
26 01 50 51-0197	EA	10 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-6026).....	56.25
26 01 50 51-0198	EA	15 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-3026).....	58.31
26 01 50 51-0199	EA	15 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-4026).....	58.31
26 01 50 51-0200	EA	15 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-5026).....	58.31
26 01 50 51-0201	EA	15 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-6026).....	58.31
26 01 50 51-0202	EA	20 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-3026).....	66.55
26 01 50 51-0203	EA	20 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-4026).....	66.55
26 01 50 51-0204	EA	20 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-5026).....	66.55
26 01 50 51-0205	EA	20 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-6026).....	66.55
26 01 50 51-0206	EA	25 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-3026).....	76.86
26 01 50 51-0207	EA	25 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-4026).....	76.86
26 01 50 51-0208	EA	25 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-5026).....	76.86
26 01 50 51-0209	EA	25 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-6026).....	76.86
26 01 50 51-0210	EA	30 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-3026).....	99.53
26 01 50 51-0211	EA	30 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-4026).....	99.53
26 01 50 51-0212	EA	30 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-5026).....	99.53
26 01 50 51-0213	EA	30 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-6026).....	99.53
26 01 50 51-0214	EA	40 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-3026).....	119.11
26 01 50 51-0215	EA	40 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-4026).....	119.11
26 01 50 51-0216	EA	40 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-5026).....	119.11
26 01 50 51-0217	EA	40 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-6026).....	119.11
26 01 50 51-0218	EA	60 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-3026).....	132.51
26 01 50 51-0219	EA	60 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-4026).....	132.51
26 01 50 51-0220	EA	60 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-5026).....	132.51
26 01 50 51-0221	EA	60 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-6026).....	132.51
26 01 50 51-0222	EA	80 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-3026).....	180.94
26 01 50 51-0223	EA	80 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-4026).....	180.94
26 01 50 51-0224	EA	80 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-5026).....	180.94
26 01 50 51-0225	EA	80 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-6026).....	180.94
26 01 50 51-0226	EA	100 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-3026).....	187.12
26 01 50 51-0227	EA	100 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-4026).....	187.12
26 01 50 51-0228	EA	100 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-5026).....	187.12
26 01 50 51-0229	EA	100 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-6026).....	187.12
26 01 50 51-0230	EA	120 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-3026).....	223.19
26 01 50 51-0231	EA	120 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-4026).....	223.19
26 01 50 51-0232	EA	120 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-5026).....	223.19
26 01 50 51-0233	EA	120 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-6026).....	223.19
26 01 50 51-0234	EA	150 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-3026).....	266.47
26 01 50 51-0235	EA	150 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-4026).....	266.47
26 01 50 51-0236	EA	150 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-5026).....	266.47
26 01 50 51-0237	EA	150 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-6026).....	266.47
26 01 50 51-0238	EA	20 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED20WPT40KMED-G6).....	84.80
26 01 50 51-0239	EA	20 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED20WPT50KMED-G6).....	92.01
26 01 50 51-0240	EA	27 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED27WPT40KMED-G5).....	92.01
26 01 50 51-0241	EA	27 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED27WPT50KMED-G5).....	84.80
26 01 50 51-0242	EA	36 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED36WPT40KMED-G5).....	107.47
26 01 50 51-0243	EA	36 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED36WPT50KMED-G5).....	98.19
26 01 50 51-0244	EA	45 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED45WPT40KMED-G5).....	118.80
26 01 50 51-0245	EA	45 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED45WPT50KMED-G5).....	117.59
26 01 50 51-0246	EA	54 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED54WPT40KMED-G5).....	120.35
26 01 50 51-0247	EA	54 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED54WPT50KMED-G5).....	120.35
26 01 50 51-0248	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (EIKO industries LED27WPT40KMED-G7).....	71.43
26 01 50 51-0249	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (EIKO industries LED27WPT50KMED-G7).....	71.43
26 01 50 51-0250	EA	36 Watt, 4000K CCT, Medium Base E26, LED Lamp (EIKO industries LED36WPT40KMED-G7).....	80.96
26 01 50 51-0251	EA	36 Watt, 5000K CCT, Medium Base E26, LED Lamp (EIKO industries LED36WPT50KMED-G7).....	80.96
26 01 50 51-0252	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (EIKO industries LED45WPT40KMED-G7).....	87.30
26 01 50 51-0253	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (EIKO industries LED45WPT50KMED-G7).....	87.30
26 01 50 51-0254	EA	54 Watt, 4000K CCT, Medium Base E26, LED Lamp (EIKO industries LED54WPT40KMED-G7).....	96.82
26 01 50 51-0255	EA	54 Watt, 5000K CCT, Medium Base E26, LED Lamp (EIKO industries LED54WPT50KMED-G7).....	96.82
26 01 50 51-0256	EA	20 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-20W8-55K-E26).....	97.32
26 01 50 51-0257	EA	30 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-30W8-55K-E26).....	105.77
26 01 50 51-0258	EA	40 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-40W8-55K-E26).....	132.46
26 01 50 51-0259	EA	50 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-50W8-55K-E26).....	146.26
26 01 50 51-0260	EA	10 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-10W12-55K-E26).....	55.27
26 01 50 51-0261	EA	15 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-15W12-55K-E26).....	62.69
26 01 50 51-0262	EA	20 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-20W12-55K-E26).....	66.40
26 01 50 51-0263	EA	25 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-25W12-55K-E26).....	73.30
26 01 50 51-0264	EA	15 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148015-UNV).....	88.89
26 01 50 51-0265	EA	20 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148020-UNV).....	104.75
26 01 50 51-0266	EA	25 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148025-UNV).....	144.38
26 01 50 51-0267	EA	30 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148030-UNV).....	152.30



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0268 EA 35 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148035-UNV).....	164.99	
26 01 50 51-0269 EA 40 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148040-UNV).....	172.91	
26 01 50 51-0270 EA 60 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148060-UNV).....	250.60	
26 01 50 51-0271 EA 20 Watt, 5000K CCT, 120-277 Volt, E26 (Medium) Base, LED Retrofit Omni-Directional Lamp (HYLITE HL-10D-20W-E26-50K).....	65.06	
26 01 50 51-0272 HID LED Lamps, Mogul Base E39 Or EX39 (26 01 50 51-0118)		
26 01 50 51-0273 EA 120 Watt, 2700K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/827/277V/EX39).....	238.25	
26 01 50 51-0274 EA 120 Watt, 5000K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/850/277V/EX39).....	238.25	
26 01 50 51-0275 EA 120 Watt, 5700 CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/857/277V/EX39).....	238.25	
26 01 50 51-0276 EA 27 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/830/277V/EX39).....	67.83	
26 01 50 51-0277 EA 27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/840/277V/EX39/R).....	67.83	
26 01 50 51-0278 EA 27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/850/277V/EX39).....	67.83	
26 01 50 51-0279 EA 45 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/830/277V/EX39).....	86.89	
26 01 50 51-0280 EA 45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/840/277V/EX39/R).....	86.89	
26 01 50 51-0281 EA 45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/850/277V/EX39).....	86.89	
26 01 50 51-0282 EA 80 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 80HID/850/277V/EX39).....	164.17	
26 01 50 51-0283 EA 80 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-3039).....	180.94	
26 01 50 51-0284 EA 80 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-4039).....	180.94	
26 01 50 51-0285 EA 80 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-5039).....	180.94	
26 01 50 51-0286 EA 80 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-6039).....	180.94	
26 01 50 51-0287 EA 100 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-3039).....	187.12	
26 01 50 51-0288 EA 100 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-4039).....	187.12	
26 01 50 51-0289 EA 100 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-5039).....	187.12	
26 01 50 51-0290 EA 100 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-6039).....	187.12	
26 01 50 51-0291 EA 120 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-3039).....	223.19	
26 01 50 51-0292 EA 120 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-4039).....	223.19	
26 01 50 51-0293 EA 120 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-5039).....	223.19	
26 01 50 51-0294 EA 120 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-6039).....	223.19	
26 01 50 51-0295 EA 150 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-3039).....	266.47	
26 01 50 51-0296 EA 150 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-4039).....	266.47	
26 01 50 51-0297 EA 150 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-5039).....	266.47	
26 01 50 51-0298 EA 150 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-6039).....	266.47	
26 01 50 51-0299 EA 27 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT40KMOG-G5).....	92.01	
26 01 50 51-0300 EA 27 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT50KMOG-G5).....	92.01	
26 01 50 51-0301 EA 36 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT40KMOG-G5).....	107.47	
26 01 50 51-0302 EA 36 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT50KMOG-G5).....	106.04	
26 01 50 51-0303 EA 45 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT40KMOG-G5).....	118.80	
26 01 50 51-0304 EA 45 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT50KMOG-G5).....	117.59	
26 01 50 51-0305 EA 54 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT40KMOG-G5).....	120.35	
26 01 50 51-0306 EA 54 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT50KMOG-G5).....	116.76	
26 01 50 51-0307 EA 100 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED100WPT40KMOG-G5).....	256.89	
26 01 50 51-0308 EA 20 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT180/40KMOG-G7).....	91.98	
26 01 50 51-0309 EA 20 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT180/50KMOG-G7).....	91.98	
26 01 50 51-0310 EA 30 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT180/40KMOG-G7).....	104.80	
26 01 50 51-0311 EA 30 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT180/50KMOG-G7).....	104.80	
26 01 50 51-0312 EA 40 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT180/40KMOG-G7).....	112.51	
26 01 50 51-0313 EA 40 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT180/50KMOG-G7).....	112.51	
26 01 50 51-0314 EA 27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT40KMOG-G7).....	71.31	
26 01 50 51-0315 EA 27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT50KMOG-G7).....	71.31	
26 01 50 51-0316 EA 36 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT40KMOG-G7).....	80.96	
26 01 50 51-0317 EA 36 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT50KMOG-G7).....	80.96	
26 01 50 51-0318 EA 45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT40KMOG-G7).....	87.30	
26 01 50 51-0319 EA 45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT50KMOG-G7).....	87.30	
26 01 50 51-0320 EA 54 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT40KMOG-G7).....	96.82	
26 01 50 51-0321 EA 54 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT50KMOG-G7).....	96.82	
26 01 50 51-0322 EA 65 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-65W8-55K-E39).....	177.08	
26 01 50 51-0323 EA 80 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-80W8-55K-E39).....	205.31	
26 01 50 51-0324 EA 100 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-100W8-55K-E39).....	245.50	
26 01 50 51-0325 EA 120 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-120W8-55K-E39).....	482.17	
26 01 50 51-0326 EA 150 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-150W8-55K-E39).....	455.14	
26 01 50 51-0327 EA 200 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-200W8-55K-E39).....	482.17	
26 01 50 51-0328 EA 250 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-250W8-55K-E39).....	484.27	
26 01 50 51-0329 EA 24 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M30-A).....	70.83	
26 01 50 51-0330 EA 24 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M40-A).....	70.83	
26 01 50 51-0331 EA 24 Watt, 5700K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M57-A).....	70.83	
26 01 50 51-0332 EA 100 Watt, Mogul Base E39, LED Area Lamp (MaxLite AR100LED50).....	212.78	
26 01 50 51-0333 EA 115 Watt, 4000K CCT, Mogul Base EX39, HID LED Lamp (Keystone KT-LED115HID-V-EX39-840-D).....	265.30	
26 01 50 51-0334 EA 40 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Arc-Cob Lamp (HYLITE HL-AC-40W-E39-50K).....	177.01	
26 01 50 51-0335 EA 100 Watt, 480 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-100W-E39-50K).....	209.01	
26 01 50 51-0336 EA 45 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-45W-E39-50K).....	90.65	
26 01 50 51-0337 EA 40 Watt, 5680 Lumens, Mogul Base E39, LED Directional Flood Lamp (HYLITE HL-IDL-40W-E39-50K).....	186.95	
26 01 50 51-0338 LED Lamps, 2G11 Base (26 01 50 51-0118)		
26 01 50 51-0339 EA 19 Watt, 1550 Lumens, 3500K CCT, 2G11 Base, Dimmable LED Lamp (Green Creative 14.5PLU/835/DIR).....	32.41	
26 01 50 51-0340 LED Lamps, GX23 Or G23 Base (26 01 50 51-0118)		
26 01 50 51-0341 EA 5 Watt, 580 Lumens, 2 Pin GX23 Base, Dimmable LED Lamp (Lunera HN-H-GX23-U-5W-840-G4).....	16.82	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 01 50 51-0342 LED Lamps, G24 Base (26 01 50 51-0118)			
26 01 50 51-0343	EA	5.5 Watt, 500 Lumens, G24 Base, LED Lamp (Green Creative 5.5PLH/835/DIR/R)	21.34
26 01 50 51-0344 LED Tubes (Fluorescent Lamp Replacement) (26 01 50 51-0118)			
26 01 50 51-0345	EA	2', 1,250 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24IN-4000K)	29.21
		For Multiple Lamps In Fixture, Deduct	-2.83
26 01 50 51-0346	EA	2', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24INU-4000K)	37.33
		For Multiple Lamps In Fixture, Deduct	-2.83
26 01 50 51-0347	EA	3', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-36IN-4000K)	31.44
		For Multiple Lamps In Fixture, Deduct	-3.01
26 01 50 51-0348	EA	4', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-48IN-4000K)	34.35
		For Multiple Lamps In Fixture, Deduct	-3.18
26 01 50 51-0349	EA	4', 2,200 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2HO-T8-48IN-4000K)	37.40
		For Multiple Lamps In Fixture, Deduct	-3.18
26 01 50 51-0350	EA	4', 2,539 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02018TBN)	24.46
		For Multiple Lamps In Fixture, Deduct	-3.18
26 01 50 51-0351	EA	2', 1,348 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02010TBN)	23.38
		For Multiple Lamps In Fixture, Deduct	-2.83
26 01 50 51-0352	EA	2', 1,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED9T8/L24/FG/835/BF)	21.49
		For Multiple Lamps In Fixture, Deduct	-2.83
26 01 50 51-0353	EA	3', 1,650 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED12T8/L36/FG/835/BF)	21.97
		For Multiple Lamps In Fixture, Deduct	-3.01
26 01 50 51-0354	EA	4', 1,700 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED14T8/L48/FG/835/BF)	22.12
		For Multiple Lamps In Fixture, Deduct	-3.18
26 01 50 51-0355	EA	4', 2,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED17T8/L48/FG/835/BF)	22.84
		For Multiple Lamps In Fixture, Deduct	-3.18
26 01 50 51-0356 Filament LED Lamps (26 01 50 51-0118)			
26 01 50 51-0357	EA	7.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 7.5FA19DIM/827)	20.85
26 01 50 51-0358	EA	4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5A19DIM/827/R)	20.85
26 01 50 51-0359	EA	4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5FA19DIM/827)	19.82
26 01 50 51-0360	EA	4.5 Watt, 2400 CCT, Amber A19 Filament LED Lamp (Green Creative 4.5FA19DIM/824/A)	19.82
26 01 50 51-0361	EA	4.5 Watt, 2700K CCT, Clear G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/827)	21.47
26 01 50 51-0362	EA	4.5 Watt, 2400 CCT, Amber G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/824/A)	21.47
26 01 50 51-0363	EA	3.5 Watt, 2700K CCT, Clear B10 Candle Filament LED Lamp (Green Creative 3.5FB10DIM/827)	17.76
26 01 50 51-0364	EA	3.5 Watt, 2700K CCT, Clear B11 Candle Filament LED Lamp (Green Creative 3.5FB11DIM/827/E26)	17.76
26 01 50 51-0365	EA	3.5 Watt, 2400 CCT, Amber B10 Candle Filament LED Lamp (Green Creative 3.5FBA10DIM/824/FT/A)	18.37
26 01 50 51-0366	EA	3.5 Watt, 2400 CCT, Amber ST19 Filament LED Lamp (Green Creative 5FST19DIM/824/A)	22.91
26 01 50 51-0367	EA	4.5 Watt, 120 Volt 450 Lumens ULTRA LED Filament Lamp (Sylvania 79521)	16.36
26 01 50 51-0368 Other Lamps (26 01 50 51-0118)			
26 01 50 51-0369	EA	8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 8A19/END/2700 DIM 6/1)	19.65
26 01 50 51-0370	EA	8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 7A19/2700 DIM)	19.65
26 01 50 51-0371	EA	11 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 11A19/2700 DIM)	19.65
26 01 50 51-0372	EA	12 Watt, Medium Base, Dimmable BR40 LED Lamp (Philips 12BR40/F90 2700 DIM AF 6/1)	20.68
26 01 50 51-0373	EA	13 Watt, Medium Base, Dimmable PAR38 LED Single Optic Lamp (Philips 13PAR38/S15 4000 DIM AF SO 6/1)	20.68
26 01 50 51-0374	EA	8 Watt, Medium Base, Dimmable PAR20 LED Lamp (Philips 8PAR20/END/F36 3000 DIM 6/1)	20.68
26 01 50 51-0375 LED Lamps, Light Engines, Round, LER Series (26 01 50 51-0118)			
26 01 50 51-0376	EA	5.5" Diameter, 17 Watt, 3000K CCT, Round LED Light Engine (Maxlite LER5.5A1730)	39.90
26 01 50 51-0377	EA	9 Watt, 120 Volt, 800 Lumens, 2700K, Omnidirectional Ultra LED A-line Lamp (Sylvania LED9A19/DIM/O/827/U)	24.85
26 01 50 51-0378 Recycle Hazardous Lamps (26 01 50 51)			
Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 26 01 50 51-0001 for removal of lamps from fixtures.			
26 01 50 51-0379	EA	Recycle 2' Length Linear Fluorescent Lamps	0.30
26 01 50 51-0380	EA	Recycle 3' Length Linear Fluorescent Lamps	0.45
26 01 50 51-0381	EA	Recycle 4' Length Linear Fluorescent Lamps	0.60
26 01 50 51-0382	EA	Recycle 6' Length Linear Fluorescent Lamps	0.90
26 01 50 51-0383	EA	Recycle 8' Length Linear Fluorescent Lamps	1.20
26 01 50 51-0384	EA	Recycle Compact Fluorescent Lamps	0.54
26 01 50 51-0385	EA	Recycle U-Shaped Or Circular Fluorescent Lamps	0.54
26 01 50 51-0386	EA	Recycle High Intensity Discharge (HID) Lamps	1.87

26 01 50 52 Ballasts Replacement (26 01 50)**26 01 50 52-0001 Lighting Ballasts** (26 01 50 52)

Note: Excludes recycling fees. See CSI section 02 84 16 00-0003 for ballast recycling.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0002 Fluorescent Ballasts (26 01 50 52-0001)		
26 01 50 52-0003 T5 Fluorescent Ballasts (26 01 50 52-0002)		
26 01 50 52-0004 T5 Fluorescent Electronic Ballasts (26 01 50 52-0003) Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0005 14 Watt, T5 Fluorescent Electronic Ballasts (26 01 50 52-0004)		
26 01 50 52-0006 EA 1 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....89.81 21.45 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 6.44 For High Ballast Factor, Add 4.80		
26 01 50 52-0007 EA 2 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....95.16 26.80 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 8.04 For High Ballast Factor, Add 4.80		
26 01 50 52-0008 21 Watt, T5 Fluorescent Electronic Ballasts (26 01 50 52-0004)		
26 01 50 52-0009 EA 1 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....89.81 21.45 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 6.44 For High Ballast Factor, Add 4.80		
26 01 50 52-0010 EA 2 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....95.16 26.80 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 8.04 For High Ballast Factor, Add 4.80		
26 01 50 52-0011 28 Watt, T5 Fluorescent Electronic Ballasts (26 01 50 52-0004)		
26 01 50 52-0012 EA 1 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....89.81 21.45 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 6.44 For High Ballast Factor, Add 4.80		
26 01 50 52-0013 EA 2 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....95.16 26.80 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 8.04 For High Ballast Factor, Add 4.80		
26 01 50 52-0014 35 Watt, T5 Fluorescent Electronic Ballasts (26 01 50 52-0004)		
26 01 50 52-0015 EA 1 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....89.81 21.45 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 6.44		
26 01 50 52-0016 EA 2 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....95.16 26.80 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 8.04		
26 01 50 52-0017 54 Watt, T5 Fluorescent Electronic Ballasts (26 01 50 52-0004)		
26 01 50 52-0018 EA 1 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....89.71 21.45 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 6.44		
26 01 50 52-0019 EA 2 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....95.06 26.80 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 8.04		
26 01 50 52-0020 EA 3 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....129.13 32.16 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 9.65		
26 01 50 52-0021 EA 4 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....134.49 37.52 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 11.26		
26 01 50 52-0022 High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0003) Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0023 12 Watt, High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0022)		
26 01 50 52-0024 EA 1 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....76.18 21.45 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 6.44		
26 01 50 52-0025 EA 2 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....81.53 26.80 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 8.04		
26 01 50 52-0026 24 Watt, High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0022)		
26 01 50 52-0027 EA 1 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....97.97 21.45 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 6.44		
26 01 50 52-0028 EA 2 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....103.32 26.80 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 8.04		
26 01 50 52-0029 39 Watt, High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0022)		
26 01 50 52-0030 EA 1 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....97.97 21.45 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 6.44		
26 01 50 52-0031 EA 2 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....103.32 26.80 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 8.04		
26 01 50 52-0032 54 Watt, High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0022)		
26 01 50 52-0033 EA 1 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....76.18 21.45 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 6.44		
26 01 50 52-0034 EA 2 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....81.53 26.80 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 8.04		

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

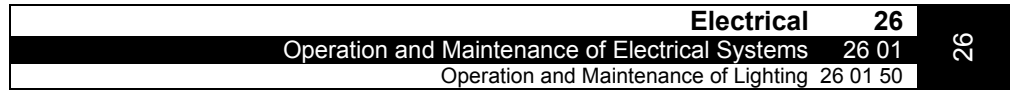
MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0035		Dimming, T5 Fluorescent Electronic Ballasts (26 01 50 52-0003)		
26 01 50 52-0036		Step Dimming, T5 Fluorescent Electronic Ballasts (26 01 50 52-0035) Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0037		28 Watt, Step Dimming, T5 Fluorescent Electronic Ballast (26 01 50 52-0036)		
26 01 50 52-0038	EA	2 Lamp, 28 Watt, Programmed Start, Step Dimming, T5 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	85.81 8.04	26.80
26 01 50 52-0039		Dimming To 5%, T5 Fluorescent Electronic Ballasts (26 01 50 52-0035) Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0040		54 Watt, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0039)		
26 01 50 52-0041	EA	1 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	304.44 6.44	21.45
26 01 50 52-0042	EA	2 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	301.55 8.04	26.80
26 01 50 52-0043		T8 Fluorescent Ballasts (26 01 50 52-0002)		
26 01 50 52-0044		T8 Fluorescent Electronic Ballasts (26 01 50 52-0043) Note: Includes 120/277 Volt and low or normal ballast factor.		
26 01 50 52-0045		17 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)		
26 01 50 52-0046	EA	1 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	42.32 6.44 11.68	21.45
26 01 50 52-0047	EA	1 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	70.42 6.44 7.68	21.45
26 01 50 52-0048	EA	2 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	47.67 8.04 11.68	26.80
26 01 50 52-0049	EA	2 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	75.77 8.04 7.68	26.80
26 01 50 52-0050	EA	3 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	57.97 9.65 11.37	32.16
26 01 50 52-0051	EA	3 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	85.45 9.65 6.53	32.16
26 01 50 52-0052	EA	4 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	66.53 11.26 28.78	37.52
26 01 50 52-0053	EA	4 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	94.17 11.26 16.80	37.52
26 01 50 52-0054		25 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)		
26 01 50 52-0055	EA	1 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	42.32 6.44 11.68	21.45
26 01 50 52-0056	EA	1 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	70.42 6.44 7.68	21.45
26 01 50 52-0057	EA	2 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	47.67 8.04 11.68	26.80
26 01 50 52-0058	EA	2 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	75.77 8.04 7.68	26.80
26 01 50 52-0059	EA	3 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	57.97 9.65 11.37	32.16
26 01 50 52-0060	EA	3 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	85.45 9.65 6.53	32.16
26 01 50 52-0061	EA	4 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	66.53 11.26 28.78	37.52
26 01 50 52-0062	EA	4 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	94.17 11.26 16.80	37.52
26 01 50 52-0063		28 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)		
26 01 50 52-0064	EA	1 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	42.32 6.44 11.68	21.45



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0065	EA	1 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	70.42 6.44 7.68	21.45
26 01 50 52-0066	EA	2 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	47.67 8.04 11.68	26.80
26 01 50 52-0067	EA	2 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	75.77 8.04 7.68	26.80
26 01 50 52-0068	EA	3 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	57.97 9.65 11.37	32.16
26 01 50 52-0069	EA	3 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	85.45 9.65 6.53	32.16
26 01 50 52-0070	EA	4 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	66.53 11.26 28.78	37.52
26 01 50 52-0071	EA	4 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	94.17 11.26 16.80	37.52
26 01 50 52-0072 32 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)				
26 01 50 52-0073	EA	1 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	42.32 6.44 11.68	21.45
26 01 50 52-0074	EA	1 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	70.42 6.44 7.68	21.45
26 01 50 52-0075	EA	2 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	47.67 8.04 11.68	26.80
26 01 50 52-0076	EA	2 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	75.77 8.04 7.68	26.80
26 01 50 52-0077	EA	3 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	57.97 9.65 11.37	32.16
26 01 50 52-0078	EA	3 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	85.45 9.65 6.53	32.16
26 01 50 52-0079	EA	4 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	66.53 11.26 28.78	37.52
26 01 50 52-0080	EA	4 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	94.17 11.26 16.80	37.52
26 01 50 52-0081 40 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)				
26 01 50 52-0082	EA	1 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	64.46 6.44 4.99	21.45
26 01 50 52-0083	EA	1 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	70.42 6.44 7.68	21.45
26 01 50 52-0084	EA	2 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	69.81 8.04 4.99	26.80
26 01 50 52-0085	EA	2 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	75.77 8.04 7.68	26.80
26 01 50 52-0086	EA	3 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	86.89 9.65 3.07	32.16
26 01 50 52-0087	EA	3 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	85.45 9.65	32.16
26 01 50 52-0088	EA	4 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	92.25 11.26 3.07	37.52
26 01 50 52-0089	EA	4 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	94.17 11.26	37.52
26 01 50 52-0090 96 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)				
26 01 50 52-0091	EA	1 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	76.18 6.44 10.70	21.45
26 01 50 52-0092	EA	2 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	81.53 8.04 10.70	26.80

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0093 High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0043) Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0094 48 Watt, High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0093)		
26 01 50 52-0095 EA 1 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	91.25	21.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44	
26 01 50 52-0096 EA 1 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	117.29	21.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44	
26 01 50 52-0097 EA 2 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	96.60	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 01 50 52-0098 EA 2 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	122.64	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 01 50 52-0099 60 Watt, High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0093)		
26 01 50 52-0100 EA 1 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	91.25	21.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44	
26 01 50 52-0101 EA 1 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	117.29	21.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44	
26 01 50 52-0102 EA 2 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	96.60	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 01 50 52-0103 EA 2 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	122.64	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 01 50 52-0104 72 Watt, High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0093)		
26 01 50 52-0105 EA 1 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	91.25	21.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44	
26 01 50 52-0106 EA 1 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	117.29	21.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44	
26 01 50 52-0107 EA 2 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	96.60	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 01 50 52-0108 EA 2 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	122.64	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 01 50 52-0109 96 Watt, High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0093)		
26 01 50 52-0110 EA 1 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	91.25	21.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44	
26 01 50 52-0111 EA 1 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	117.29	21.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44	
26 01 50 52-0112 EA 2 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	96.60	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 01 50 52-0113 EA 2 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	122.64	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 01 50 52-0114 Dimming, T8 Fluorescent Electronic Ballasts (26 01 50 52-0043)		
26 01 50 52-0115 Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts (26 01 50 52-0114) Note: Includes 120/277 Volt and high ballast factor.		
26 01 50 52-0116 17 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts (26 01 50 52-0115)		
26 01 50 52-0117 EA 1 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast.....	50.01	21.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44	
26 01 50 52-0118 EA 2 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast.....	55.36	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 01 50 52-0119 EA 3 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast.....	64.10	32.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	
26 01 50 52-0120 EA 4 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast.....	76.99	37.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 01 50 52-0121 EA 5 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast.....	112.33	42.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.86	
26 01 50 52-0122 EA 6 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast.....	117.69	48.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.47	
26 01 50 52-0123 25 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts (26 01 50 52-0115)		
26 01 50 52-0124 EA 1 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast.....	50.01	21.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44	
26 01 50 52-0125 EA 2 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast.....	55.36	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 01 50 52-0126 EA 3 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast.....	64.10	32.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	
26 01 50 52-0127 EA 4 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast.....	76.99	37.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 01 50 52-0128 EA 5 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast.....	112.33	42.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.86	
26 01 50 52-0129 EA 6 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast.....	117.69	48.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.47	



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26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0168 EA 2 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	55.36	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 01 50 52-0169 EA 3 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	62.59	32.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	
26 01 50 52-0170 EA 4 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	76.99	37.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 01 50 52-0171 EA 5 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	107.53	42.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.86	
26 01 50 52-0172 EA 6 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	112.89	48.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.47	
26 01 50 52-0173 32 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts (26 01 50 52-0151)		
26 01 50 52-0174 EA 1 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	50.01	21.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44	
26 01 50 52-0175 EA 2 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	55.36	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 01 50 52-0176 EA 3 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	62.59	32.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	
26 01 50 52-0177 EA 4 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	76.99	37.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 01 50 52-0178 EA 5 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	107.53	42.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.86	
26 01 50 52-0179 EA 6 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	112.89	48.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.47	
26 01 50 52-0180 40 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts (26 01 50 52-0151)		
26 01 50 52-0181 EA 1 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	50.01	21.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44	
26 01 50 52-0182 EA 2 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	55.36	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 01 50 52-0183 EA 3 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	62.59	32.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	
26 01 50 52-0184 EA 4 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	76.99	37.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 01 50 52-0185 EA 5 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	107.53	42.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.86	
26 01 50 52-0186 EA 6 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	112.89	48.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.47	
26 01 50 52-0187 Dimming To 3%, T8 Fluorescent Electronic Ballasts (26 01 50 52-0114)		
Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0188 17 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts (26 01 50 52-0187)		
26 01 50 52-0189 EA 1 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast.....	111.22	21.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44	
26 01 50 52-0190 EA 2 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast.....	116.57	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 01 50 52-0191 EA 3 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast.....	139.31	32.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	
26 01 50 52-0192 EA 4 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast.....	144.67	37.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 01 50 52-0193 25 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts (26 01 50 52-0187)		
26 01 50 52-0194 EA 1 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast.....	111.22	21.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44	
26 01 50 52-0195 EA 2 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast.....	116.57	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 01 50 52-0196 EA 3 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast.....	139.31	32.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	
26 01 50 52-0197 EA 4 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast.....	144.67	37.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 01 50 52-0198 28 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts (26 01 50 52-0187)		
26 01 50 52-0199 EA 1 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast.....	111.22	21.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44	
26 01 50 52-0200 EA 2 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast.....	116.57	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 01 50 52-0201 EA 3 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast.....	139.31	32.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	
26 01 50 52-0202 EA 4 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast.....	144.67	37.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 01 50 52-0203 32 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts (26 01 50 52-0187)		
26 01 50 52-0204 EA 1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast.....	111.22	21.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44	
26 01 50 52-0205 EA 2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast.....	116.57	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0206 EA 3 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast.....	139.31	32.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	
26 01 50 52-0207 EA 4 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast.....	144.67	37.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 01 50 52-0208 T10 Fluorescent Ballasts (26 01 50 52-0002)		
26 01 50 52-0209 T10 Fluorescent Electronic Ballasts (26 01 50 52-0208)		
Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0210 40 Watt, T10 Fluorescent Electronic Ballasts (26 01 50 52-0209)		
26 01 50 52-0211 EA 1 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast.....	57.74	21.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44	
26 01 50 52-0212 EA 2 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast.....	63.09	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 01 50 52-0213 EA 3 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast.....	77.19	32.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	
26 01 50 52-0214 T12 Fluorescent Ballasts (26 01 50 52-0002)		
26 01 50 52-0215 T12 Fluorescent Electronic Ballasts (26 01 50 52-0214)		
Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0216 25 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)		
26 01 50 52-0217 EA 1 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast.....	42.32	21.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44	
26 01 50 52-0218 EA 1 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	57.74	21.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44	
26 01 50 52-0219 EA 2 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast.....	47.67	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 01 50 52-0220 EA 2 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	63.09	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 01 50 52-0221 EA 3 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast.....	57.97	32.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	
26 01 50 52-0222 EA 4 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast.....	66.53	37.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 01 50 52-0223 30 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)		
26 01 50 52-0224 EA 1 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	57.74	21.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44	
26 01 50 52-0225 EA 2 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	63.09	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 01 50 52-0226 EA 3 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	77.19	32.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	
26 01 50 52-0227 34 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)		
26 01 50 52-0228 EA 1 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	57.74	21.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44	
26 01 50 52-0229 EA 2 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	63.09	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 01 50 52-0230 EA 3 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	77.19	32.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	
26 01 50 52-0231 40 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)		
26 01 50 52-0232 EA 1 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	57.74	21.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44	
26 01 50 52-0233 EA 2 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	63.09	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 01 50 52-0234 EA 3 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	77.19	32.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	
26 01 50 52-0235 96 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)		
26 01 50 52-0236 EA 1 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	71.09	21.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44	
26 01 50 52-0237 EA 2 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	81.53	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 01 50 52-0238 High-Output, T12HO Fluorescent Electronic Ballasts (26 01 50 52-0214)		
Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0239 48 Watt, High-Output, T12HO Fluorescent Electronic Ballasts (26 01 50 52-0238)		
26 01 50 52-0240 EA 1 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	91.54	21.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44	
26 01 50 52-0241 EA 2 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	96.89	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 01 50 52-0242	60 Watt, High-Output, T12HO Fluorescent Electronic Ballasts (26 01 50 52-0238)				
26 01 50 52-0243	EA 1 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	91.54		21.45	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44			
26 01 50 52-0244	EA 2 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	96.89		26.80	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04			
26 01 50 52-0245	72 Watt, High-Output, T12HO Fluorescent Electronic Ballasts (26 01 50 52-0238)				
26 01 50 52-0246	EA 1 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	91.54		21.45	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44			
26 01 50 52-0247	EA 2 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	96.89		26.80	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04			
26 01 50 52-0248	96 Watt, High-Output, T12HO Fluorescent Electronic Ballasts (26 01 50 52-0238)				
26 01 50 52-0249	EA 2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	91.54		21.45	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44			
26 01 50 52-0250	EA 2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	96.89		26.80	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04			
26 01 50 52-0251	Emergency Fluorescent Ballasts (26 01 50 52-0002)				
	Note: 120/277 Volt.				
26 01 50 52-0252	EA 350 To 450 Lumens, One Lamp, Code Compliance, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B100)	145.46		21.45	
	For Factory Installation In New Fixtures, Deduct	-42.88			
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.86			
26 01 50 52-0253	EA 600 To 700 Lumens, Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B60)	234.42		26.80	
	For Factory Installation In New Fixtures, Deduct	-45.03			
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.51			
26 01 50 52-0254	EA 1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50)	289.17		26.80	
	For Factory Installation In New Fixtures, Deduct	-45.03			
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.51			
26 01 50 52-0255	EA 600 To 700 Lumens, One Or Two Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine B70A)	216.12		26.80	
	For Factory Installation In New Fixtures, Deduct	-45.03			
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.51			
26 01 50 52-0256	EA 2,700 To 3,400 Lumens, Two Or Three Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B33)	981.98		32.16	
	For Factory Installation In New Fixtures, Deduct	-47.17			
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.15			
26 01 50 52-0257	EA 225 To 450 Lumens, One Lamp, Four Hour Illumination, Emergency Fluorescent Ballast (Bodine B54)	292.78		21.45	
	For Factory Installation In New Fixtures, Deduct	-42.88			
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.86			
26 01 50 52-0258	EA 325 To 1,000 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B84CG)	485.53		26.80	
	For Factory Installation In New Fixtures, Deduct	-45.03			
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.51			
26 01 50 52-0259	EA 300 To 750 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B94CG)	271.14		26.80	
	For Factory Installation In New Fixtures, Deduct	-45.03			
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.51			
26 01 50 52-0260	EA 200 To 625 Lumens, One Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B413)	366.15		21.45	
	For Factory Installation In New Fixtures, Deduct	-42.88			
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.86			
26 01 50 52-0261	EA 300 To 650 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B463)	285.79		21.45	
	For Factory Installation In New Fixtures, Deduct	-42.88			
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.86			
26 01 50 52-0262	EA 450 To 950 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B426)	322.14		26.80	
	For Factory Installation In New Fixtures, Deduct	-45.03			
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.51			
26 01 50 52-0263	EA 1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Fluorescent Ballast (Bodine BDL500)	347.89		26.80	
	For Factory Installation In New Fixtures, Deduct	-45.03			
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.51			
26 01 50 52-0264	EA 600 To 700 Lumens, Two Lamp, Damp Location, Emergency Fluorescent Ballast (Bodine BDL600)	294.18		26.80	
	For Factory Installation In New Fixtures, Deduct	-45.03			
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.51			
26 01 50 52-0265	EA 600 To 700 Lumens, One Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine BDL700)	298.12		21.45	
	For Factory Installation In New Fixtures, Deduct	-42.88			
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.86			
26 01 50 52-0266	EA 500 To 600 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine BDL900)	260.88		21.45	
	For Factory Installation In New Fixtures, Deduct	-42.88			
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.86			
26 01 50 52-0267	EA 300 To 750 Lumens, One Or Two Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine BDL94C)	271.14		26.80	
	For Factory Installation In New Fixtures, Deduct	-45.03			
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.51			



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0268 EA 450 Lumens, One Lamp, Low Profile, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine LP400).....	264.90	21.45
For Factory Installation In New Fixtures, Deduct	-42.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.86	
26 01 50 52-0269 EA 1,100 To 1,400 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50ST).....	478.04	26.80
For Factory Installation In New Fixtures, Deduct	-45.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.51	
26 01 50 52-0270 EA 1,800 To 3,500 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30ST).....	595.51	26.80
For Factory Installation In New Fixtures, Deduct	-45.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.51	
26 01 50 52-0271 EA 1,450 To 3,500 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30RCT).....	1,106.44	26.80
For Factory Installation In New Fixtures, Deduct	-45.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.51	
26 01 50 52-0272 EA 1,100 To 1,400 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50RCT).....	771.36	26.80
For Factory Installation In New Fixtures, Deduct	-45.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.51	
26 01 50 52-0273 EA 1,100 To 3,100 Lumens, One Or Two Lamp, Central Battery, Emergency Fluorescent Ballast With Voltage Sensing Circuit (Bodine CB90-48).....	396.72	26.80
For Factory Installation In New Fixtures, Deduct	-45.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.51	
26 01 50 52-0274 EA 1,050 To 3,200 Lumens, One Lamp, Interim Lighting For Generator Backup, Five Minute Illumination, Emergency Fluorescent Ballast (Bodine GEN1).....	511.19	21.45
For Factory Installation In New Fixtures, Deduct	-42.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.86	
26 01 50 52-0275 EA 250 Watt, Self-Diagnostic, Ninety Minute Illumination, Fluorescent Emergency Lighting Inverter (Bodine ELI-250-SD).....	2,820.41	26.80
For Factory Installation In New Fixtures, Deduct	-42.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.86	
26 01 50 52-0276 LED Emergency Ballasts (26 01 50 52-0001)		
26 01 50 52-0277 EA Up To 520 Lumens, Ninety Minute Illumination, 120-277 Volt, 4 Watt Output, Emergency LED Driver (Bodine BSL4L).....	154.40	21.45
For Factory Installation In New Fixtures, Deduct	-42.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.86	
26 01 50 52-0278 EA Up To 780 Lumens, Ninety Minute Illumination, 120-277 Volt, 6 Watt Output, Emergency LED Driver (Bodine BSL6LST).....	177.69	21.45
For Factory Installation In New Fixtures, Deduct	-42.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.86	
26 01 50 52-0279 EA Up To 975 Lumens, Ninety Minute Illumination, 120-277 Volt, 7.5 Watt Output, Emergency LED Driver (Bodine BSL17C).....	205.58	21.45
For Factory Installation In New Fixtures, Deduct	-42.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.86	
26 01 50 52-0280 EA Up To 1,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 10 Watt Output, Emergency LED Driver (Bodine BSL310).....	195.58	21.45
For Factory Installation In New Fixtures, Deduct	-42.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.86	
26 01 50 52-0281 EA Up To 2,200 Lumens, Ninety Minute Illumination, 120-277 Volt, 18 Watt Output, Emergency LED Driver (Bodine BSL718).....	339.70	21.45
For Factory Installation In New Fixtures, Deduct	-42.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.86	
26 01 50 52-0282 EA Up To 2,600 Lumens, Ninety Minute Illumination, 120-277 Volt, 20 Watt Output, Emergency LED Driver (Bodine BSL20LV).....	321.80	21.45
For Factory Installation In New Fixtures, Deduct	-42.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.86	
26 01 50 52-0283 EA Up To 2,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 23 Watt LED Emergency Battery Backup (LiteTronics EB23UQ).....	306.42	21.45
For Factory Installation In New Fixtures, Deduct	-42.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.86	
26 01 50 52-0284 Compact Fluorescent Ballasts (26 01 50 52-0001)		
26 01 50 52-0285 Compact Fluorescent Electronic Ballasts (26 01 50 52-0284)		
Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0286 18 Watt, Compact Fluorescent Electronic Ballasts (26 01 50 52-0285)		
26 01 50 52-0287 EA 1 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	85.20	21.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44	
26 01 50 52-0288 EA 2 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	90.55	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 01 50 52-0289 26 Watt, Compact Fluorescent Electronic Ballasts (26 01 50 52-0285)		
26 01 50 52-0290 EA 1 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	85.20	21.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44	
26 01 50 52-0291 EA 2 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	90.55	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 01 50 52-0292 32 Watt, Compact Fluorescent Electronic Ballasts (26 01 50 52-0285)		

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0293	EA	1 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	104.50 6.44	21.45
26 01 50 52-0294	EA	2 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.85 8.04	26.80
26 01 50 52-0295		40 Watt, Compact Fluorescent Electronic Ballasts (26 01 50 52-0285)		
26 01 50 52-0296	EA	1 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.90 6.44	21.45
26 01 50 52-0297	EA	1 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	104.50 6.44	21.45
26 01 50 52-0298	EA	2 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	153.08 8.04	26.80
26 01 50 52-0299	EA	2 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.85 8.04	26.80
26 01 50 52-0300	EA	3 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	181.02 9.65	32.16
26 01 50 52-0301		42 Watt, Compact Fluorescent Electronic Ballasts (26 01 50 52-0285)		
26 01 50 52-0302	EA	1 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	104.50 6.44	21.45
26 01 50 52-0303	EA	2 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.85 8.04	26.80
26 01 50 52-0304		55 Watt, Compact Fluorescent Electronic Ballasts (26 01 50 52-0285)		
26 01 50 52-0305	EA	1 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	104.50 6.44	21.45
26 01 50 52-0306	EA	2 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.85 8.04	26.80
26 01 50 52-0307		Dimming, Compact Fluorescent Electronic Ballasts (26 01 50 52-0284)		
26 01 50 52-0308		Dimming To 5%, Compact Fluorescent Electronic Ballasts (26 01 50 52-0307) Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0309		18 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts (26 01 50 52-0308)		
26 01 50 52-0310	EA	1 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	153.85 6.44	21.45
26 01 50 52-0311	EA	2 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	159.20 8.04	26.80
26 01 50 52-0312		26 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts (26 01 50 52-0308)		
26 01 50 52-0313	EA	1 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	153.85 6.44	21.45
26 01 50 52-0314	EA	2 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	159.20 8.04	26.80
26 01 50 52-0315		32 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts (26 01 50 52-0308)		
26 01 50 52-0316	EA	1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	153.85 6.44	21.45
26 01 50 52-0317	EA	2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	169.86 8.04	26.80
26 01 50 52-0318		40 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts (26 01 50 52-0308)		
26 01 50 52-0319	EA	2 Lamp, 40 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	169.86 8.04	26.80
26 01 50 52-0320		42 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts (26 01 50 52-0308)		
26 01 50 52-0321	EA	1 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	153.85 6.44	21.45
26 01 50 52-0322	EA	2 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	169.86 8.04	26.80
26 01 50 52-0323		55 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts (26 01 50 52-0308)		
26 01 50 52-0324	EA	1 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	243.14 6.44	21.45
26 01 50 52-0325	EA	2 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	273.55 8.04	26.80
26 01 50 52-0326		High Intensity Discharge (HID) Ballasts (26 01 50 52-0001)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0327 Magnetic High Intensity Discharge (HID) Ballasts (26 01 50 52-0326)		
26 01 50 52-0328 Core And Coil High Intensity Discharge (HID) Ballasts (26 01 50 52-0327)		
26 01 50 52-0329 Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts (26 01 50 52-0328)		
26 01 50 52-0330 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	120.36	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 01 50 52-0331 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	123.04	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 01 50 52-0332 EA 1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	123.04	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 01 50 52-0333 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	115.41	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 01 50 52-0334 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	115.41	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 01 50 52-0335 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	166.53	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 01 50 52-0336 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	166.53	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 01 50 52-0337 EA 1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	211.54	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 01 50 52-0338 EA 1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	234.51	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 01 50 52-0339 High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts (26 01 50 52-0328)		
26 01 50 52-0340 EA 1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	109.77	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 01 50 52-0341 EA 1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	115.76	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 01 50 52-0342 EA 1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	113.18	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 01 50 52-0343 EA 1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	131.18	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 01 50 52-0344 EA 1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	128.61	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 01 50 52-0345 EA 1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	145.32	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 01 50 52-0346 EA 1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	145.32	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 01 50 52-0347 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	173.10	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 01 50 52-0348 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	173.10	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 01 50 52-0349 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	270.60	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 01 50 52-0350 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	270.60	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 01 50 52-0351 Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts (26 01 50 52-0328)		
26 01 50 52-0352 EA Single Mounting Bracket For Core And Coil Type.....	15.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
26 01 50 52-0353 EA Double Mounting Bracket For Core And Coil Type.....	25.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 01 50 52-0354 F-Can High Intensity Discharge (HID) Ballasts (26 01 50 52-0327)		
26 01 50 52-0355 Metal Halide, F-Can High Intensity Discharge (HID) Ballasts (26 01 50 52-0354)		
26 01 50 52-0356 EA 1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	149.87	26.80
For Pulse Start Ballast, Add	11.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 01 50 52-0357 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	157.30	26.80
For Pulse Start Ballast, Add	11.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 01 50 52-0358 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	144.24	26.80
For Pulse Start Ballast, Add	10.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 01 50 52-0359 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	165.70	26.80
For Pulse Start Ballast, Add	12.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 01 50 52-0360 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	225.83	26.80
For Pulse Start Ballast, Add	18.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 01 50 52-0361 High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts (26 01 50 52-0354)		
26 01 50 52-0362 EA 1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	178.03	26.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0363 EA 1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	189.61 11.26	26.80
26 01 50 52-0364 Postline High Intensity Discharge (HID) Ballasts (26 01 50 52-0327)		
26 01 50 52-0365 Metal Halide, Postline High Intensity Discharge (HID) Ballasts (26 01 50 52-0364)		
26 01 50 52-0366 EA 1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	289.07 11.26	26.80
26 01 50 52-0367 High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts (26 01 50 52-0364)		
26 01 50 52-0368 EA 1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	439.40 11.22	26.72
26 01 50 52-0369 EA 1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	488.78 11.22	26.72
26 01 50 52-0370 EA 1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	471.70 11.22	26.72
26 01 50 52-0371 Indoor Enclosed High Intensity Discharge (HID) Ballasts (26 01 50 52-0371)		
26 01 50 52-0372 Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts (26 01 50 52-0371)		
26 01 50 52-0373 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	353.40 11.26	26.80
26 01 50 52-0374 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	399.64 11.26	26.80
26 01 50 52-0375 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	524.34 11.26	26.80
26 01 50 52-0376 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	521.65 11.26	26.80
26 01 50 52-0377 EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	727.13 11.90	28.95
26 01 50 52-0378 EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	727.13 11.90	28.95
26 01 50 52-0379 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	503.30 11.26	26.80
26 01 50 52-0380 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	590.21 11.26	26.80
26 01 50 52-0381 High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts (26 01 50 52-0371)		
26 01 50 52-0382 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	649.97 11.26	26.80
26 01 50 52-0383 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	619.35 11.26	26.80
26 01 50 52-0384 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	793.00 11.26	26.80
26 01 50 52-0385 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	793.00 11.26	26.80
26 01 50 52-0386 Outdoor Weatherproof High Intensity Discharge (HID) Ballasts (26 01 50 52-0327)		
26 01 50 52-0387 Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts (26 01 50 52-0386)		
26 01 50 52-0388 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	395.77 11.26	26.80
26 01 50 52-0389 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	426.63 11.26	26.80
26 01 50 52-0390 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	423.59 11.26	26.80
26 01 50 52-0391 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	444.27 11.26	26.80
26 01 50 52-0392 EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	700.17 11.90	28.95
26 01 50 52-0393 EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	858.05 11.90	28.95
26 01 50 52-0394 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	653.57 11.26	26.80
26 01 50 52-0395 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	596.00 11.26	26.80
26 01 50 52-0396 High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts (26 01 50 52-0386)		
26 01 50 52-0397 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	507.75 11.26	26.80



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0398 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	546.68 11.26	26.80
26 01 50 52-0399 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	810.97 11.26	26.80
26 01 50 52-0400 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	699.31 11.26	26.80
26 01 50 52-0401 Electronic High Intensity Discharge (HID) Ballasts (26 01 50 52-0326)		
26 01 50 52-0402 Electronic Low Frequency High Intensity Discharge (HID) Ballasts (26 01 50 52-0401)		
26 01 50 52-0403 EA 1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	164.67 11.26	26.80
26 01 50 52-0404 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	164.67 11.26	26.80
26 01 50 52-0405 EA 1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	184.18 11.26	26.80
26 01 50 52-0406 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	457.58 11.26	26.80
26 01 50 52-0407 EA 1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	457.58 11.26	26.80
26 01 50 52-0408 EA 1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	457.58 11.26	26.80
26 01 50 52-0409 EA 1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	457.58 11.26	26.80
26 01 50 52-0410 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	457.58 11.26	26.80
26 01 50 52-0411 Owner Supplied Ballasts (26 01 50 52-0001)		
26 01 50 52-0412 EA Install Owner Supplied, 1 Lamp Fluorescent Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.45 6.44	
26 01 50 52-0413 EA Install Owner Supplied, 2 Lamp Fluorescent Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.80 8.04	
26 01 50 52-0414 EA Install Owner Supplied, 3 Lamp Fluorescent Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.10 9.33	
26 01 50 52-0415 EA Install Owner Supplied, 4 Lamp Fluorescent Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.23 9.97	
26 01 50 52-0416 EA Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.52 11.26	
26 01 50 52-0417 EA Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.67 11.90	
26 01 50 53 Lens and Accessory Replacement (26 01 50)		
26 01 50 53-0001 Lens and Accessory Replacement (26 01 50 53)		
26 01 50 53-0002 EA Removal And Replacement Of Parabolic Aluminum Louver <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.92 3.21	
26 01 50 53-0003 EA Removal And Replacement Of Visor For Fixtures <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	180.57 3.21	
26 01 50 53-0004 EA Removal And Replacement Of Globe On Pole <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	213.65 3.21	
26 01 50 53-0005 EA Removal And Replacement Of Lenses For Flat Top Pole Fixtures <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.32 3.21	
26 01 50 53-0006 EA Removal And Replacement Of 1' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.59 3.21	
26 01 50 53-0007 EA Removal And Replacement Of 2' x 2' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.75 3.21	
26 01 50 53-0008 EA Removal And Replacement Of 2' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.77 3.21	
26 01 50 53-0009 EA Removal And Replacement Of Slide-On Lampholder <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.51 3.21	
26 01 50 53-0010 EA Removal And Replacement Of Screw Mount Lampholder <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.69 3.21	
26 01 50 53-0011 EA Removal And Replacement Of Medium Bi-Pin Lampholder <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.22 3.21	
26 01 50 53-0012 EA Removal And Replacement Of Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.58 3.21	
26 01 50 53-0013 EA Removal And Replacement Of Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.11 3.21	
26 01 50 53-0014 EA Removal And Replacement Of Compact Twin-Tube Lampholder, Snap-in <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.99 3.21	
26 01 50 53-0015 EA Removal And Replacement Of Exterior Light Globes <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.49 3.21	
26 01 50 81 Luminaire Replacement (26 01 50)		
26 01 50 81-0001 Retrofit Lighting Fixtures (26 01 50 81)		
26 01 50 81-0002 LED Lighting Retrofits For Existing Fixtures (26 01 50 81-0001)		
26 01 50 81-0003 LED Lighting Retrofits For Existing Downlight Fixtures (GreenCreative) (26 01 50 81-0002)		
Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0378 for disposal of hazardous lamps.		
26 01 50 81-0004 EA 7" Round Downlight, 15 Watt, 2700K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/927).....	107.76	
26 01 50 81-0005 EA 7" Round Downlight, 15 Watt, 3000K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/930).....	107.76	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 01 50 81-0006	EA	7" Round Downlight, 15 Watt, 4000K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/940).....	107.76
26 01 50 81-0007	EA	4" Diameter, 8.5 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/827)	86.74
26 01 50 81-0008	EA	4" Diameter, 8.5 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/830)	86.74
26 01 50 81-0009	EA	4" Diameter, 8.5 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/840)	86.74
26 01 50 81-0010	EA	6" Diameter, 11.6 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/827)	95.59
26 01 50 81-0011	EA	6" Diameter, 11.6 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/830)	95.59
26 01 50 81-0012	EA	6" Diameter, 11.6 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/840)	95.59

26 01 50 81-0013 LED Lighting Retrofits For Existing Site Fixtures (Daylight Technology) (26 01 50 81-0002)

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0378 for disposal of hazardous lamps.

26 01 50 81-0014	EA	2,300 Lumens, 23 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-20w).....	327.81
26 01 50 81-0015	EA	3,300 Lumens, 33 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-30w).....	341.08
26 01 50 81-0016	EA	4,400 Lumens, 44 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-40w).....	354.36
26 01 50 81-0017	EA	5,400 Lumens, 54 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-50w).....	369.77
26 01 50 81-0018	EA	6,500 Lumens, 65 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-60w).....	408.48
26 01 50 81-0019	EA	7,600 Lumens, 75 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-70w).....	423.89
26 01 50 81-0020	EA	8,600 Lumens, 86 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-80w).....	460.39
26 01 50 81-0021	EA	9,600 Lumens, 96 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-90w).....	473.66
26 01 50 81-0022	EA	10,700 Lumens, 107 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-100w).....	489.07
26 01 50 81-0023	EA	11,700 Lumens, 117 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-110w).....	513.40
26 01 50 81-0024	EA	12,800 Lumens, 128 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-120w).....	538.76
26 01 50 81-0025	EA	13,800 Lumens, 138 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-130w).....	564.20
26 01 50 81-0026	EA	14,900 Lumens, 149 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-140w).....	577.47
26 01 50 81-0027	EA	16,100 Lumens, 161 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-150w).....	599.59
26 01 50 81-0028	EA	17,200 Lumens, 172 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-160w).....	624.92
26 01 50 81-0029	EA	18,200 Lumens, 182 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-170w).....	652.57
26 01 50 81-0030	EA	19,300 Lumens, 193 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-180w).....	694.60
26 01 50 81-0031	EA	20,300 Lumens, 203 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-190w).....	713.40
26 01 50 81-0032	EA	21,400 Lumens, 214 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-200w).....	745.39
26 01 50 81-0033	EA	22,400 Lumens, 224 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-210w).....	788.53
26 01 50 81-0034	EA	23,500 Lumens, 235 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-220w).....	810.65
26 01 50 81-0035	EA	24,500 Lumens, 245 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-230w).....	862.52
26 01 50 81-0036	EA	25,600 Lumens, 256 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-240w).....	911.18
26 01 50 81-0037	EA	26,600 Lumens, 266 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-250w).....	944.28
26 01 50 81-0038	EA	27,700 Lumens, 277 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-260w).....	991.84
26 01 50 81-0039	EA	28,700 Lumens, 287 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-270w).....	1,083.57
26 01 50 81-0040	EA	29,800 Lumens, 298 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-280w).....	1,094.63
26 01 50 81-0041	EA	31,900 Lumens, 319 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-300w).....	1,122.17

26 01 50 81-0042 LED Lighting Retrofits For Existing Fixtures (Optilumen) (26 01 50 81-0002)

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0378 for disposal of hazardous lamps.

26 01 50 81-0043	EA	20 Watt, 1 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT1418M-35).....	135.27
Note: Fits 1' x 4' Troffer/Strip			
26 01 50 81-0044	EA	20 Watt, 1 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT1418M-40).....	135.27
Note: Fits 1' x 4' Troffer/Strip			
26 01 50 81-0045	EA	20 Watt, 1 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT1418M-50).....	135.27
Note: Fits 1' x 4' Troffer/Strip			
26 01 50 81-0046	EA	30 Watt, 2 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT2415M-35).....	140.80
Note: Fits 2' x 4' Troffer/Strip			
26 01 50 81-0047	EA	2 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2415M-40).....	140.80
Note: Fits 2' x 4' Troffer/Strip			
26 01 50 81-0048	EA	2 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2415M-50).....	140.80
Note: Fits 2' x 4' Troffer/Strip			
26 01 50 81-0049	EA	2 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2418M-35).....	151.86
Note: Fits 2' x 4' Troffer/Strip			
26 01 50 81-0050	EA	2 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2418M-40).....	151.86
Note: Fits 2' x 4' Troffer/Strip			
26 01 50 81-0051	EA	2 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2418M-50).....	151.86
Note: Fits 2' x 4' Troffer/Strip			
26 01 50 81-0052	EA	3 x 42", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3415M-35).....	140.80
Note: Fits 2' x 4' Troffer/Strip			
26 01 50 81-0053	EA	3 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3415M-40).....	140.80
Note: Fits 2' x 4' Troffer/Strip			
26 01 50 81-0054	EA	3 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3415M-50).....	140.80
Note: Fits 2' x 4' Troffer/Strip			
26 01 50 81-0055	EA	3 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3418M-35).....	151.86
Note: Fits 2' x 4' Troffer/Strip			
26 01 50 81-0056	EA	3 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3418M-40).....	151.86
Note: Fits 2' x 4' Troffer/Strip			
26 01 50 81-0057	EA	3 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3418M-50).....	151.86
Note: Fits 2' x 4' Troffer/Strip			
26 01 50 81-0058	EA	3 x 42", 60 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3424M-35).....	173.98
Note: Fits 2' x 4' Troffer/Strip			
26 01 50 81-0059	EA	3 x 42", 60 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3424M-40).....	173.98
Note: Fits 2' x 4' Troffer/Strip			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0060 EA 3 x 42", 60 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3424M-50) Note: Fits 2' x 4' Troffer/Strip	173.98	
26 01 50 81-0061 EA 1 x 21", 10 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT1209M-35) Note: Fits 1' x 2' Troffer/Strip	135.27	
26 01 50 81-0062 EA 1 x 21", 10 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT1209M-40) Note: Fits 1' x 2' Troffer/Strip	135.27	
26 01 50 81-0063 EA 1 x 21", 10 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT1209M-50) Note: Fits 1' x 2' Troffer/Strip	135.27	
26 01 50 81-0064 EA 2 x 21", 22 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2209M-35) Note: Fits 2' x 2' Troffer/Strip	135.27	
26 01 50 81-0065 EA 2 x 21", 22 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2209M-40) Note: Fits 2' x 2' Troffer/Strip	135.27	
26 01 50 81-0066 EA 2 x 21", 22 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2209M-50) Note: Fits 2' x 2' Troffer/Strip	135.27	
26 01 50 81-0067 EA 3 x 21", 20 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3209M-35) Note: Fits 2' x 2' Troffer/Strip	140.80	
26 01 50 81-0068 EA 3 x 21", 20 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3209M-40) Note: Fits 2' x 2' Troffer/Strip	140.80	
26 01 50 81-0069 EA 3 x 21", 20 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3209M-50) Note: Fits 2' x 2' Troffer/Strip	140.80	
26 01 50 81-0070 EA 3 x 21", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3210M-35) Note: Fits 2' x 2' Troffer/Strip	147.44	
26 01 50 81-0071 EA 3 x 21", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3210M-40) Note: Fits 2' x 2' Troffer/Strip	147.44	
26 01 50 81-0072 EA 3 x 21", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3210M-50) Note: Fits 2' x 2' Troffer/Strip	147.44	
26 01 50 81-0073 LED Lighting Retrofits For Existing Lay-In/Troffer Fixtures (LG) (26 01 50 81-0002) Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0378 for disposal of hazardous lamps.		
26 01 50 81-0074 EA 34 Watt, 3500K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-35-4400-R(W)-SN)	319.68	
26 01 50 81-0075 EA 34 Watt, 4000K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-40-4500-R(W)-SN)	319.68	
26 01 50 81-0076 EA 26 Watt, 3500K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-35-3400-R(W)-SN)	287.60	
26 01 50 81-0077 EA 26 Watt, 4000K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-40-3400-R(W)-SN)	287.60	
26 01 50 81-0078 EA 25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-35-3200-RV) Note: No sensor, ZigBee ready driver	138.78	
26 01 50 81-0079 EA 25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-40-3200-RV) Note: No sensor, ZigBee ready driver	138.78	
26 01 50 81-0080 EA 31 Watt, 4,050 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-35-3200-RV) Note: No sensor, ZigBee ready driver	159.80	
26 01 50 81-0081 EA 31 Watt, 4,050 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-40-3200-RV) Note: No sensor, ZigBee ready driver	159.80	
26 01 50 81-0082 EA 25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-35-3200-RV) Note: Factory installed sensor and ZigBee dongle	175.28	
26 01 50 81-0083 EA 25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-40-3200-RV) Note: Factory installed sensor and ZigBee dongle	175.28	
26 01 50 81-0084 EA 31 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-35-3200-RV) Note: Factory installed sensor and ZigBee dongle	180.81	
26 01 50 81-0085 EA 31 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-40-3200-RV) Note: Factory installed sensor and ZigBee dongle	180.81	
26 01 50 81-0086 EA 2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-2BDK-25-35-3120) Note: No sensor, ZigBee ready driver	106.71	
26 01 50 81-0087 EA 2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-2BDK-25-40-3120) Note: No sensor, ZigBee ready driver	106.71	
26 01 50 81-0088 EA 2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-4BDK-31-35-3880) Note: No sensor, ZigBee ready driver	119.98	
26 01 50 81-0089 EA 2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-4BDK-31-40-3880) Note: No sensor, ZigBee ready driver	119.98	
26 01 50 81-0090 EA 2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-35-3120-L) Note: No sensor, ZigBee ready driver	110.03	
26 01 50 81-0091 EA 2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-40-3120-L) Note: No sensor, ZigBee ready driver	110.03	
26 01 50 81-0092 EA 2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-35-3880-L) Note: No sensor, ZigBee ready driver	123.30	
26 01 50 81-0093 EA 2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-40-3880-L) Note: No sensor, ZigBee ready driver	123.30	
26 01 50 81-0094 EA 6" Diameter, 16 Watt, 1,450 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-35-1450) Note: No sensor, ZigBee ready driver	108.92	
26 01 50 81-0095 EA 6" Diameter, 16 Watt, 1,450 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-40-1450) Note: No sensor, ZigBee ready driver	108.92	
26 01 50 81-0096 EA 8" Diameter, 22 Watt, 2,000 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-35-2000) Note: No sensor, ZigBee ready driver	118.87	
26 01 50 81-0097 EA 8" Diameter, 22 Watt, 2,000 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-40-2000) Note: No sensor, ZigBee ready driver	118.87	
26 01 50 81-0098 LED Lighting Retrofit Accessories (LG) (26 01 50 81-0002) See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0378 for disposal of hazardous lamps.		

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0099 EA Dongle (LG LGE-DONGLE).....	17.31	
26 01 50 81-0100 EA 1-group On/Off/Dim, 2-Button, Wireless Switch (LG LGE-SWITCH-BAT-2B).....	94.00	12.18
26 01 50 81-0101 EA 2-group On/Off/Dim, 4-Button, Wireless Switch (LG LGE-SWITCH-BAT-4B).....	98.87	14.61
26 01 50 81-0102 EA 1-group On/Off/Dim, 2-Button, AC Powered Switch (LG LGE-SWITCH-AC-2B).....	118.87	12.18
26 01 50 81-0103 EA 2-group On/Off/Dim, 4-Button, AC Powered Switch (LG LGE-SWITCH-AC-4B).....	123.74	14.61
26 01 50 81-0104 EA Photo, Motion Sensor With ZigBee Dongle plugin (LG LGE-MULTI-SENSOR).....	63.02	9.75
26 01 50 81-0105 EA Tube Clip For Multi Sensor (LG LGE-TUBE-CLIP).....	24.61	9.75
26 01 50 81-0106 EA Ceiling Plate For Multi Sensor (LG LGE-CEILING-PLATE).....	26.07	9.75
26 01 50 81-0107 EA Wireless Interface Module (LG PIHN-W005A).....	62.19	14.61
Note: includes dongle		
26 01 50 81-0108 Retrofit Existing (T12) Fluorescent Fixtures (26 01 50 81-0001)		
Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 02 84 16 00-0008 for leaking ballast disposal, 26 01 50 51-0378 for hazardous lamp recycling.		
26 01 50 81-0109 Retrofit Existing (T12) Strip Style Fluorescent Fixtures Without Reflector (26 01 50 81-0108)		
Note: Includes ballast, white reflective ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 81-0110 EA Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate One 4' (T8) Lamp.....	80.06	
For Specular Ballast Cover, Add	8.53	
26 01 50 81-0111 EA Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps.....	84.76	
For Specular Ballast Cover, Add	9.47	
26 01 50 81-0112 EA Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps.....	111.16	
For Specular Ballast Cover, Add	14.75	
26 01 50 81-0113 EA Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Four 4' (T8) Lamps.....	127.16	
For Specular Ballast Cover, Add	17.95	
26 01 50 81-0114 Retrofit Existing (T12) Strip Style Fluorescent Fixtures With Reflector (26 01 50 81-0108)		
Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 81-0115 EA Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate One 4' (T8) Lamp.....	83.94	
For Specular Reflector, Add	17.05	
26 01 50 81-0116 EA Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps.....	89.11	
For Specular Reflector, Add	17.05	
26 01 50 81-0117 EA Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps.....	116.59	
For Specular Reflector, Add	17.05	
26 01 50 81-0118 EA Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Four 4' (T8) Lamps.....	147.36	
For Specular Reflector, Add	17.05	
26 01 50 81-0119 Retrofit Existing (T12) Troffer Style Fluorescent Fixtures (26 01 50 81-0108)		
Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 81-0120 EA Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate One 4' (T8) Lamps.....	104.72	
For Specular Reflector, Add	17.05	
26 01 50 81-0121 EA Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps.....	109.43	
For Specular Reflector, Add	17.05	
26 01 50 81-0122 EA Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Two 2' (T8) Lamps.....	110.42	
For Specular Reflector, Add	17.05	
26 01 50 81-0123 EA Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Three 2' (T8) Lamps.....	122.10	
For Specular Reflector, Add	17.05	
26 01 50 81-0124 EA Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Four 2' (T8) Lamps.....	146.06	
For Specular Reflector, Add	17.05	
26 01 50 81-0125 EA Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps.....	114.08	
For Specular Reflector, Add	17.05	
26 01 50 81-0126 EA Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Three 4' (T8) Lamps.....	124.50	
For Specular Reflector, Add	17.05	
26 01 50 81-0127 EA Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Four 4' (T8) Lamps.....	133.19	
For Specular Reflector, Add	17.05	
26 01 50 81-0128 Retrofit Existing Recessed Lay-In/Troffer Fixtures (26 01 50 81-0001)		
26 01 50 81-0129 Fluorescent Volumetric Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Lithonia) (26 01 50 81-0128)		
Note: Includes removing existing lamps and ballast. Includes installing adaptor frame, volumetric reflectors, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0378 for disposal of hazardous lamps.		
26 01 50 81-0130 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	146.98	
26 01 50 81-0131 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	146.98	
26 01 50 81-0132 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	146.98	
26 01 50 81-0133 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	160.02	
26 01 50 81-0134 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	146.98	
26 01 50 81-0135 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	146.98	



Electrical		26
Operation and Maintenance of Electrical Systems		26 01
Operation and Maintenance of Lighting		26 01 50

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0136	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	146.98	
26 01 50 81-0137	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	160.02	
26 01 50 81-0138	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	147.51	
26 01 50 81-0139	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	147.51	
26 01 50 81-0140	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	147.51	
26 01 50 81-0141	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	160.54	
26 01 50 81-0142	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	147.51	
26 01 50 81-0143	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	147.51	
26 01 50 81-0144	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	147.51	
26 01 50 81-0145	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	160.54	
26 01 50 81-0146		LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (PlanLED) <small>(26 01 50 81-0128)</small> Note: Includes adaptor frame, optical system, LEDs and driver. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0378 for disposal of hazardous lamps.		
26 01 50 81-0147	EA	2,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-025).....	207.66	
26 01 50 81-0148	EA	4,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-045).....	216.53	
26 01 50 81-0149		LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Raffino™) <small>(26 01 50 81-0128)</small> Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0378 for disposal of hazardous lamps.		
26 01 50 81-0150	EA	1,800 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-1800L).....	237.59	
26 01 50 81-0151	EA	2,600 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-2700L).....	243.00	
26 01 50 81-0152	EA	2,200 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-2200L).....	237.59	
26 01 50 81-0153	EA	3,300 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-3300L).....	243.00	
26 01 50 81-0154	EA	3,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-3000L).....	270.07	
26 01 50 81-0155	EA	4,150 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-4000L).....	278.19	
26 01 50 81-0156	EA	5,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-5000L).....	297.14	
26 01 50 81-0157		LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Orion) <small>(26 01 50 81-0128)</small> Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0378 for disposal of hazardous lamps.		
26 01 50 81-0158	EA	3,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-030L-FO-UNV-FDX-840-22-1P-CT-M-ST).....	221.02	
26 01 50 81-0159	EA	3,500 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-035L-FO-UNV-FDX-840-22-1P-CT-M-ST).....	228.57	
26 01 50 81-0160	EA	3,200 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-032L-FO-UNV-FDX-840-24-1P-CT-M-ST).....	230.83	
26 01 50 81-0161	EA	3,800 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-038L-FO-UNV-FDX-840-24-1P-CT-M-ST).....	238.39	
26 01 50 81-0162	EA	2,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1A1UNVFDX84022MST).....	170.05	
26 01 50 81-0163	EA	4,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1B1UNVFDX84022MST).....	173.63	
26 01 50 81-0164	EA	3,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1D1UNVFDX84024MST).....	179.37	
26 01 50 81-0165	EA	4,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1E1UNVFDX84024MST).....	182.96	
26 01 50 81-0166	EA	6,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1F1UNVFDX84024MST).....	223.13	
26 01 50 81-0167	EA	8,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (ORION LDRE1G1UNVFDX84024MST).....	263.31	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 01 50 81-0168		Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) (26 01 50 81-0128) Note: Includes adaptor frame, optical system, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0378 for disposal of hazardous lamps.		
26 01 50 81-0169	EA	1 T5 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	204.39	
26 01 50 81-0170	EA	1 T8 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	152.48	
26 01 50 81-0171	EA	2 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	208.88	
26 01 50 81-0172	EA	2 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	156.88	
26 01 50 81-0173	EA	3 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	217.44	
26 01 50 81-0174	EA	3 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	169.60	
26 01 50 81-0175	EA	1 T5 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	238.26	
26 01 50 81-0176	EA	1 T8 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	186.21	
26 01 50 81-0177	EA	2 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	242.50	
26 01 50 81-0178	EA	2 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	190.43	
26 01 50 81-0179	EA	3 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	251.03	
26 01 50 81-0180	EA	3 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	203.14	
26 01 50 81-0181		LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT) (26 01 50 81-0128) Note: Includes removing existing lamps and ballast. Includes installing LED light engine assembly, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0378 for disposal of hazardous lamps.		
26 01 50 81-0182	EA	3,300 Lumens, 2' x 2', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT)	427.60	
26 01 50 81-0183	EA	4,800 Lumens, 2' x 4', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL4R/RT)	473.72	
26 01 50 81-0184		Retrofit Existing HID Fixtures (26 01 50 81-0001)		
26 01 50 81-0185	EA	Tear Drop LED Retrofit Kit (Holophane LTDRL2 P35S 40K AS BK TDRD 3 P)	964.69	

26 05 Common Work Results for Electrical (26)**26 05 13 Medium-Voltage Cables** (26 05)**26 05 13 16 Medium-Voltage, Single-and Multi-Conductor Cables** (26 05 13)

26 05 13 16-0001		Wire And Cable (26 05 13 16) Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.		
26 05 13 16-0002		5 KV Cable (26 05 13 16-0001)		
26 05 13 16-0003		Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct (26 05 13 16-0002)		
26 05 13 16-0004	MLF	#6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	3,448.00	844.98
26 05 13 16-0005	MLF	#4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	4,112.20	922.64
26 05 13 16-0006	MLF	#2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	4,931.18	1,042.44
26 05 13 16-0007	MLF	1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	6,426.25	1,284.34
26 05 13 16-0008	MLF	2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	7,325.90	1,446.27
26 05 13 16-0009	MLF	3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	9,059.31	1,605.33
26 05 13 16-0010	MLF	4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	10,198.46	1,803.75
26 05 13 16-0011	MLF	250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	12,160.17	2,006.75
26 05 13 16-0012	MLF	350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	14,152.64	2,396.01
26 05 13 16-0013	MLF	500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	17,924.38	2,816.46
26 05 13 16-0014	MLF	750 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	27,057.33	3,319.49
26 05 13 16-0015	MLF	1,000 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	36,195.58	3,822.29
26 05 13 16-0016		Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial (26 05 13 16-0002) Note: Excludes excavation.		
26 05 13 16-0017	MLF	#6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	3,342.37	
26 05 13 16-0018	MLF	#4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	3,812.34	
26 05 13 16-0019	MLF	#2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,331.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0020 MLF 1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	5,420.69	
26 05 13 16-0021 MLF 2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	5,915.39	
26 05 13 16-0022 MLF 3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	7,449.13	
26 05 13 16-0023 MLF 4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,092.23	
26 05 13 16-0024 MLF 250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	9,749.52	
26 05 13 16-0025 MLF 350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	10,874.24	
26 05 13 16-0026 MLF 500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	13,689.87	
26 05 13 16-0027 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) (26 05 13 16-0002)		
26 05 13 16-0028 MLF #6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	2,725.91	528.82
26 05 13 16-0029 MLF #4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	3,296.50	567.01
26 05 13 16-0030 MLF #2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	4,210.14	717.02
26 05 13 16-0031 MLF 1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	5,503.98	870.45
26 05 13 16-0032 MLF 2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	6,396.65	1,021.83
26 05 13 16-0033 MLF 3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	8,118.23	1,168.57
26 05 13 16-0034 MLF 4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	9,253.71	1,355.87
26 05 13 16-0035 MLF 250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	11,628.03	1,705.78
26 05 13 16-0036 MLF 350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	13,836.89	2,158.34
26 05 13 16-0037 MLF 500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	18,012.70	2,711.74
26 05 13 16-0038 5 KV Non-Shielded Single Copper Conductor (26 05 13 16-0002)		
26 05 13 16-0039 MLF 1/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	7,548.19	1,683.95
26 05 13 16-0040 MLF 2/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	8,777.18	1,708.15
26 05 13 16-0041 MLF 3/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	10,006.17	1,732.35
26 05 13 16-0042 MLF 4/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	10,435.54	1,770.64
26 05 13 16-0043 MLF 350 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	12,584.02	1,838.19
26 05 13 16-0044 MLF 500 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	18,169.39	1,926.44
26 05 13 16-0045 MLF 750 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	28,275.62	2,408.05
26 05 13 16-0046 MLF 1,000 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	32,507.88	3,210.77
26 05 13 16-0047 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct (26 05 13 16-0002)		
26 05 13 16-0048 MLF #6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	3,688.42	844.98
26 05 13 16-0049 MLF #4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	4,437.21	922.64
26 05 13 16-0050 MLF #2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	5,349.69	1,042.44
26 05 13 16-0051 MLF #1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	6,177.21	1,163.33
26 05 13 16-0052 MLF 1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	7,005.04	1,284.34
26 05 13 16-0053 MLF 2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	7,993.74	1,446.27
26 05 13 16-0054 MLF 3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	9,967.57	1,605.33
26 05 13 16-0055 MLF 4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	11,222.47	1,803.75
26 05 13 16-0056 MLF 250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	13,445.98	2,006.75
26 05 13 16-0057 MLF 350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	15,621.89	2,396.01
26 05 13 16-0058 MLF 500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	19,883.37	2,816.46
26 05 13 16-0059 MLF 750 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	30,434.42	3,319.49
26 05 13 16-0060 MLF 1,000 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	40,990.75	3,822.29
26 05 13 16-0061 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial (26 05 13 16-0002)		
Note: Excludes excavation.		
26 05 13 16-0062 MLF #6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	3,582.80	
26 05 13 16-0063 MLF #4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	4,137.36	
26 05 13 16-0064 MLF #2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	4,750.29	
26 05 13 16-0065 MLF #1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	5,375.35	
26 05 13 16-0066 MLF 1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	5,999.48	
26 05 13 16-0067 MLF 2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,583.23	
26 05 13 16-0068 MLF 3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,357.39	
26 05 13 16-0069 MLF 4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	9,116.25	
26 05 13 16-0070 MLF 250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	11,035.33	
26 05 13 16-0071 MLF 350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	12,343.49	
26 05 13 16-0072 MLF 500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	15,648.86	
26 05 13 16-0073 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) (26 05 13 16-0002)		
26 05 13 16-0074 MLF #6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	2,966.33	528.82
26 05 13 16-0075 MLF #4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	3,621.51	567.01
26 05 13 16-0076 MLF #2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	4,628.65	717.02
26 05 13 16-0077 MLF #1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	5,354.29	793.17
26 05 13 16-0078 MLF 1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	6,082.77	870.45
26 05 13 16-0079 MLF 2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	7,064.49	1,021.83
26 05 13 16-0080 MLF 3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	9,026.49	1,168.57
26 05 13 16-0081 MLF 4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	10,277.72	1,355.87
26 05 13 16-0082 MLF 250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	12,913.84	1,705.78
26 05 13 16-0083 MLF 350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	15,306.14	2,158.34

26 Electrical**26 05 Common Work Results for Electrical****26 05 13 Medium-Voltage Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0084 MLF 500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	19,971.69	2,711.74
26 05 13 16-0085 15 KV Cable (26 05 13 16-0001)		
26 05 13 16-0086 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable (26 05 13 16-0085)		
26 05 13 16-0087 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct (26 05 13 16-0086)		
26 05 13 16-0088 MLF #4 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	7,356.08	1,683.95
26 05 13 16-0089 MLF #2 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	7,996.11	1,683.95
26 05 13 16-0090 MLF #1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	8,240.24	1,683.95
26 05 13 16-0091 MLF 1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	9,035.54	1,683.95
26 05 13 16-0092 MLF 2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	9,790.39	1,683.95
26 05 13 16-0093 MLF 3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	11,241.84	1,757.75
26 05 13 16-0094 MLF 4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	11,538.39	1,757.75
26 05 13 16-0095 MLF 250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	13,357.20	1,838.19
26 05 13 16-0096 MLF 350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	15,203.76	1,881.29
26 05 13 16-0097 MLF 500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	18,804.18	2,119.09
26 05 13 16-0098 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial (26 05 13 16-0086)		
Note: Excludes excavation.		
26 05 13 16-0099 MLF #1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,428.83	
26 05 13 16-0100 MLF 1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	7,224.12	
26 05 13 16-0101 MLF 2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	7,978.97	
26 05 13 16-0102 MLF 3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	9,453.70	
26 05 13 16-0103 MLF 4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	9,750.24	
26 05 13 16-0104 MLF 250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	11,668.54	
26 05 13 16-0105 MLF 350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	13,518.13	
26 05 13 16-0106 MLF 500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	16,877.75	
26 05 13 16-0107 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) (26 05 13 16-0086)		
26 05 13 16-0108 MLF #1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	6,016.43	755.44
26 05 13 16-0109 MLF 1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	7,114.13	870.45
26 05 13 16-0110 MLF 2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	8,266.96	1,021.83
26 05 13 16-0111 MLF 3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	9,919.93	1,168.57
26 05 13 16-0112 MLF 4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	10,708.84	1,355.87
26 05 13 16-0113 MLF 250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	12,911.64	1,578.42
26 05 13 16-0114 MLF 350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	15,336.13	1,839.25
26 05 13 16-0115 MLF 500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	19,123.58	2,136.46
26 05 13 16-0116 Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable (26 05 13 16-0085)		
26 05 13 16-0117 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct (26 05 13 16-0116)		
26 05 13 16-0118 MLF #4 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	7,922.40	1,683.95
26 05 13 16-0119 MLF #2 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	8,677.64	1,683.95
26 05 13 16-0120 MLF #1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	8,965.71	1,683.95
26 05 13 16-0121 MLF 1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	9,904.16	1,683.95
26 05 13 16-0122 MLF 2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	10,794.88	1,683.95
26 05 13 16-0123 MLF 3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	12,474.41	1,757.75
26 05 13 16-0124 MLF 4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	12,824.34	1,757.75
26 05 13 16-0125 MLF 250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	14,934.31	1,838.19
26 05 13 16-0126 MLF 350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	17,093.86	1,881.29
26 05 13 16-0127 MLF 500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	21,235.35	2,119.09
26 05 13 16-0128 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial (26 05 13 16-0116)		
Note: Excludes excavation.		
26 05 13 16-0129 MLF #1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	7,154.30	
26 05 13 16-0130 MLF 1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,092.74	
26 05 13 16-0131 MLF 2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,983.46	
26 05 13 16-0132 MLF 3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	10,686.27	
26 05 13 16-0133 MLF 4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	11,036.19	
26 05 13 16-0134 MLF 250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	13,241.05	
26 05 13 16-0135 MLF 350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	15,400.69	
26 05 13 16-0136 MLF 500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	19,308.92	
26 05 13 16-0137 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) (26 05 13 16-0116)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0138 MLF #1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	6,741.90	755.44
26 05 13 16-0139 MLF 1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,982.75	870.45
26 05 13 16-0140 MLF 2/0 AWG, EPEPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	9,271.45	1,021.83
26 05 13 16-0141 MLF 3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	11,152.50	1,168.57
26 05 13 16-0142 MLF 4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	11,994.79	1,355.87
26 05 13 16-0143 MLF 250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	14,488.75	1,578.42
26 05 13 16-0144 MLF 350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	17,226.23	1,839.25
26 05 13 16-0145 MLF 500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	21,554.75	2,136.46
26 05 13 16-0146 15 KV Non-Shielded Single Copper Conductor (26 05 13 16-0085)		
26 05 13 16-0147 MLF 1/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	10,773.99	1,689.85
26 05 13 16-0148 MLF 2/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	9,237.61	1,730.24
26 05 13 16-0149 MLF 3/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	14,129.29	1,770.64
26 05 13 16-0150 MLF 350 MCM, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	19,583.81	1,888.63
26 05 13 16-0151 Shielded, Armored Copper, 15 KV, 3 Conductor Cable (26 05 13 16-0085)		
Note: Laid in cable tray or hung in vertical cable shaft.		
26 05 13 16-0152 Galvanized Steel Interlocked Armor Cable (26 05 13 16-0151)		
26 05 13 16-0153 LF 3 Conductors, #2 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	49.72	12.89
26 05 13 16-0154 LF 3 Conductors, 1/0 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	59.92	13.72
26 05 13 16-0155 Aluminum Interlocked Armor Cable (26 05 13 16-0151)		
26 05 13 16-0156 LF 3 Conductors, #2 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	49.72	12.89
26 05 13 16-0157 LF 3 Conductor, 1/0 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	59.92	13.72
26 05 13 16-0158 Type URD, 15 KV Primary Concentric UD Cable (26 05 13 16-0085)		
Note: 0.175" XLPE insulation, copper conductor.		
26 05 13 16-0159 MLF #4 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	3,638.30	844.98
26 05 13 16-0160 MLF #2 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	4,369.46	922.64
26 05 13 16-0161 MLF #1 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	5,262.45	1,042.44
26 05 13 16-0162 MLF 1/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	6,875.85	1,280.84
26 05 13 16-0163 MLF 2/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	7,843.70	1,441.94
26 05 13 16-0164 MLF 3/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	9,778.24	1,605.33
26 05 13 16-0165 MLF 4/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	10,992.17	1,797.01
26 05 13 16-0166 15 KV, URD Copper Cable, Direct Burial (26 05 13 16-0085)		
26 05 13 16-0167 MLF 3 Conductors, #6 AWG, 15 KV, URD Copper Cable, Direct Burial	18,650.63	
26 05 13 16-0168 Wire Connections (26 05 13 16-0001)		
26 05 13 16-0169 Medium Voltage Up To 5 KV (26 05 13 16-0168)		
26 05 13 16-0170 Shielded One Conductor Cable Splice (26 05 13 16-0169)		
26 05 13 16-0171 EA #6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	277.86	106.66
26 05 13 16-0172 EA #2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	336.48	106.66
26 05 13 16-0173 EA 1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	336.48	106.66
26 05 13 16-0174 EA 2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	368.23	127.99
26 05 13 16-0175 EA 3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	368.23	127.99
26 05 13 16-0176 EA 4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	368.23	127.99
26 05 13 16-0177 EA 250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	410.55	149.33
26 05 13 16-0178 EA 350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	410.55	149.33
26 05 13 16-0179 EA 500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	410.55	149.33
26 05 13 16-0180 Cable Termination Without Stress Cone (26 05 13 16-0169)		
26 05 13 16-0181 EA #6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV	378.38	127.99
26 05 13 16-0182 EA 250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV	438.18	149.33
26 05 13 16-0183 Cable Termination With Stress Cone (26 05 13 16-0169)		
26 05 13 16-0184 EA #6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV	1,011.67	255.98
26 05 13 16-0185 EA 250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV	1,396.71	351.98
26 05 13 16-0186 Connect To Pothead, Pothead Included (26 05 13 16-0169)		
26 05 13 16-0187 EA #6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV	1,047.08	255.98
26 05 13 16-0188 EA 250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV	1,313.61	293.32
26 05 13 16-0189 Two Conductor Pothead (26 05 13 16-0169)		
Note: Includes 5 KV pothead.		
26 05 13 16-0190 EA #6 To 4/0 AWG, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	924.36	351.98
26 05 13 16-0191 EA 250 To 350 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	1,208.76	447.98

26 Electrical**26 05 Common Work Results for Electrical****26 05 13 Medium-Voltage Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0192 EA 400 To 700 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	1,686.75	507.92
26 05 13 16-0193 EA 750 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	2,527.00	592.61
26 05 13 16-0194 EA 1,000 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	4,461.43	888.80
26 05 13 16-0195 Three Conductor Pothead (26 05 13 16-0169)		
Note: Includes 5 KV pothead.		
26 05 13 16-0196 EA #6 To 4/0 AWG, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	2,884.41	511.98
26 05 13 16-0197 EA 250 To 500 MCM, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	3,192.13	597.30
26 05 13 16-0198 Copper Cable Splice, Crimp Compression Connection (26 05 13 16-0169)		
Note: For bare wire.		
26 05 13 16-0199 EA #6 AWG Crimp Compression Connection For Bare Copper Wire	68.63	
26 05 13 16-0200 EA #4 AWG Crimp Compression Connection For Bare Copper Wire	75.42	
26 05 13 16-0201 EA #3 AWG Crimp Compression Connection For Bare Copper Wire	87.96	
26 05 13 16-0202 EA #2 AWG Crimp Compression Connection For Bare Copper Wire	99.99	
26 05 13 16-0203 EA #1 AWG Crimp Compression Connection For Bare Copper Wire	112.73	
26 05 13 16-0204 EA 1/0 AWG Crimp Compression Connection For Bare Copper Wire	125.20	
26 05 13 16-0205 EA 2/0 AWG Crimp Compression Connection For Bare Copper Wire	137.54	
26 05 13 16-0206 EA 3/0 AWG Crimp Compression Connection For Bare Copper Wire	150.37	
26 05 13 16-0207 EA 4/0 AWG Crimp Compression Connection For Bare Copper Wire	162.91	
26 05 13 16-0208 EA 250 MCM Crimp Compression Connection For Bare Copper Wire	175.65	
26 05 13 16-0209 EA 300 MCM Crimp Compression Connection For Bare Copper Wire	188.67	
26 05 13 16-0210 EA 350 MCM Crimp Compression Connection For Bare Copper Wire	201.04	
26 05 13 16-0211 EA 400 MCM Crimp Compression Connection For Bare Copper Wire	226.93	
26 05 13 16-0212 EA 500 MCM Crimp Compression Connection For Bare Copper Wire	253.44	
26 05 13 16-0213 Aluminum Cable Splice, Crimp Compression Connection (26 05 13 16-0169)		
Note: For bare wire.		
26 05 13 16-0214 EA #6 AWG Crimp Compression Connection For Bare Aluminum Wire	69.89	
26 05 13 16-0215 EA #4 AWG Crimp Compression Connection For Bare Aluminum Wire	76.11	
26 05 13 16-0216 EA #2 AWG Crimp Compression Connection For Bare Aluminum Wire	102.30	
26 05 13 16-0217 EA #1 AWG Crimp Compression Connection For Bare Aluminum Wire	118.59	
26 05 13 16-0218 EA 1/0 AWG Crimp Compression Connection For Bare Aluminum Wire	130.73	
26 05 13 16-0219 EA 2/0 AWG Crimp Compression Connection For Bare Aluminum Wire	142.82	
26 05 13 16-0220 EA 3/0 AWG Crimp Compression Connection For Bare Aluminum Wire	156.50	
26 05 13 16-0221 EA 4/0 AWG Crimp Compression Connection For Bare Aluminum Wire	169.39	
26 05 13 16-0222 EA 250 MCM Crimp Compression Connection For Bare Aluminum Wire	181.98	
26 05 13 16-0223 EA 300 MCM Crimp Compression Connection For Bare Aluminum Wire	194.86	
26 05 13 16-0224 EA 350 MCM Crimp Compression Connection For Bare Aluminum Wire	207.54	
26 05 13 16-0225 EA 400 MCM Crimp Compression Connection For Bare Aluminum Wire	236.23	
26 05 13 16-0226 EA 500 MCM Crimp Compression Connection For Bare Aluminum Wire	265.05	
26 05 13 16-0227 15 KV (26 05 13 16-0169)		
26 05 13 16-0228 Single Conductor Pothead On Racks (26 05 13 16-0227)		
Note: Includes pothead.		
26 05 13 16-0229 EA #2 To 4/0 AWG, Single Conductor, 15 KV Pothead (Included), On Racks	1,134.80	447.98
26 05 13 16-0230 EA 250 To 500 MCM, Single Conductor, 15 KV Pothead (Included), On Racks	1,437.07	554.63
26 05 13 16-0231 Two Conductor Pothead On Rack (26 05 13 16-0227)		
Note: Includes pothead.		
26 05 13 16-0232 EA #2 To 4/0 AWG, Two Conductors, 15 KV Pothead (Included), On Racks	1,699.16	682.62
26 05 13 16-0233 EA 250 To 500 MCM, Two Conductors, 15 KV Pothead (Included), On Racks	2,029.99	810.63
26 05 13 16-0234 Three Conductor Pothead On Rack (26 05 13 16-0227)		
Note: Includes pothead.		
26 05 13 16-0235 EA #2 To 4/0 AWG, Three Conductors, 15 KV Pothead (Included), On Racks	2,184.43	885.28
26 05 13 16-0236 EA 250 To 500 MCM, Three Conductors, 15 KV Pothead (Included), On Racks	2,724.84	1,109.28
26 05 13 16-0237 Stress Relief Cone On Rack (26 05 13 16-0227)		
26 05 13 16-0238 EA #2 To 4/0 AWG Stress Relief Cone, On Rack	1,092.02	447.98
26 05 13 16-0239 EA 250 To 500 MCM Stress Relief Cone, On Rack	1,388.97	554.63
26 05 13 16-0240 Grounded, Shielded Cable Splice (26 05 13 16-0227)		
26 05 13 16-0241 EA #2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV	775.57	330.65
26 05 13 16-0242 EA 250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV	996.52	426.64
26 05 13 16-0243 EA 3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way	3,963.20	1,173.27
26 05 13 16-0244 EA 3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way	4,875.91	1,279.93
26 05 13 16-0245 Cable Termination (26 05 13 16-0227)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0246 EA #2 To 3/0 AWG Cable Termination 15 KV For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	483.72 111.99	186.66
26 05 13 16-0247 EA 4/0 To 250 MCM Cable Termination 15 KV For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	615.07 143.99	239.98
26 05 13 16-0248 EA 350 To 500 MCM Cable Termination 15 KV For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	758.55 175.99	293.32
26 05 13 16-0249 EA #2 To 3/0 AWG Cable Elbow Termination 15 KV For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	296.62 64.00	106.66
26 05 13 16-0250 Stress Cones, 5-15 KV, 4 Skirted (26 05 13 16-0227)		
26 05 13 16-0251 EA #4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted	523.92	138.66
26 05 13 16-0252 EA 2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted	592.10	153.25
26 05 13 16-0253 EA 4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted	689.72	167.71
26 05 13 16-0254 EA 400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted	865.94	193.23
26 05 13 16-0255 Stress Cones, 5-15 KV, 6 Skirted (26 05 13 16-0227)		
26 05 13 16-0256 EA #4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted	1,047.86	277.79
26 05 13 16-0257 EA 2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted	1,184.30	306.50
26 05 13 16-0258 EA 4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted	1,367.01	329.20
26 05 13 16-0259 EA 400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted	1,731.87	386.45
26 05 13 16-0260 35 KV (26 05 13 16-0168)		
26 05 13 16-0261 35 KV One Conductor Splice (26 05 13 16-0260)		
26 05 13 16-0262 EA #1 Stranded To 4/0 Stranded, 35 KV, Cable Splicing	1,930.16	
26 05 13 16-0263 Cable Termination (26 05 13 16-0260)		
26 05 13 16-0264 EA #2 To 3/0 AWG Cable Termination, 35 KV	389.39	128.10
26 05 13 16-0265 EA 3/0 AWG To 250 MCM, 35 KV, Cable Termination	549.47	193.27
26 05 13 16-0266 EA 350 To 500 MCM Cable Termination 35 KV	620.90	206.71
26 05 13 16-0267 EA #2 To 3/0 AWG Cable Elbow Termination 35 KV	313.84	106.66
26 05 13 16-0268 70 KV (26 05 13 16-0168)		
26 05 13 16-0269 Cable Splice (26 05 13 16-0268)		
26 05 13 16-0270 EA 350 MCM, 70 KV, Cable Splicing	7,165.60	
26 05 13 16-0271 EA #2 To 4/0, 70 KV, Cable Splicing	1,973.43	
26 05 19 Low-Voltage Electrical Power Conductors and Cables (26 05)		
26 05 19 13 Undercarpet Electrical Power Cables (26 05 19)		
26 05 19 13-0001 Under Carpet Power System (26 05 19 13)		
Note: Includes laying out, floor prep, taping, testing, drill floor, folds.		
26 05 19 13-0002 LF 3-Conductor, #12 Flat Cable With Attached Bottom Shield	5.06	0.49
26 05 19 13-0003 LF Steel, Top Shield	8.49	0.49
26 05 19 13-0004 EA 3-Conductor, Splice	29.77	8.28
26 05 19 13-0005 EA Splice Top Shield For 3 Conductor	8.88	3.90
26 05 19 13-0006 EA 3-Conductor, Tap	37.01	9.75
26 05 19 13-0007 EA Insulating Patch, Splice Tap And End	56.40	8.28
26 05 19 13-0008 EA 3-Conductor, Transition Block Assembly	36.70	4.87
26 05 19 13-0009 EA Single, Direct Connected, Receptacle With Box	110.84	15.59
26 05 19 13-0010 EA Dual, Direct Connected, Receptacle With Box	184.41	24.36
26 05 19 13-0011 EA Floor Mounted Box With Cover	182.86	19.49
26 05 19 13-0012 LF 5-Conductor, #12 Cable With Attached Bottom Shield	8.00	0.49
26 05 19 13-0013 LF Steel, Top Shield For 5-Conductor Cable	7.94	0.49
26 05 19 13-0014 EA 5-Conductor, Splice	30.15	8.28
26 05 19 13-0015 EA 5-Conductor, Transition Block Assembly	48.25	4.87
26 05 19 13-0016 EA Box, Wall, Flush With Cover	84.11	19.49
26 05 19 13-0017 EA Telephone, Transition Fitting Wall Box	56.05	16.08
26 05 19 13-0018 EA RJ-45, Telephone Fitting With Duplex Jack And Cover	73.27	18.51
26 05 19 13-0019 EA Miniature Telephone With Duplex RJ-45	31.40	7.31
26 05 19 13-0020 LF 4-Pair, Level 5, Under Carpet Telephone Wire	1.83	0.49
26 05 19 13-0021 EA BNC, Coax Plug, Connector	25.80	9.75
26 05 19 13-0022 EA TNC, Coax Plug, Connector	25.80	9.75
26 05 19 13-0023 CLF Under Carpet Power System; Flat RG A/U 59, 75 Ohm, RG A/U 62, 93 Ohm, RG A/U 58, 50 Ohm	135.16	48.72
26 05 19 16 Low-Voltage, Single-and Multi-Conductor Cables (26 05 19)		
26 05 19 16-0001 Cable Installation Methods (26 05 19 16)		
26 05 19 16-0002 Pull Cord (26 05 19 16-0001)		
Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.		
26 05 19 16-0003 LF Pull String Installed To Remain In Place, In Existing Conduit	0.33	

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0004 LF Pull String Installed To Remain In Place, In New Conduits.....	0.17	
26 05 19 16-0005 LF 1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit	0.54	
26 05 19 16-0006 LF 1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits.....	0.32	
26 05 19 16-0007 Bore Conduit Into Dirt Or Sand (26 05 19 16-0001)		
Note: For installation under roads, driveways or other structures up to 20'.		
26 05 19 16-0008 LF Bore 1" To 4" Conduit Into Dirt Or Sand.....	2.96	
26 05 19 16-0009 LF Bore 5" To 8" Conduit Into Dirt Or Sand.....	3.78	
26 05 19 16-0010 EA Boring Minimum Set-Up Charge	415.06	
Note: For projects where the total boring charge is less than the minimum set-up charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.		
26 05 19 16-0011 Wire and Cable (26 05 19 16)		
Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. For tasks installed in conduit, tasks exclude conduit. Excludes terminations. See CSI section 26 05 33 13-0057 for various conduit types.		
26 05 19 16-0012 600 Volt Wire (26 05 19 16-0011)		
26 05 19 16-0013 Single Solid Conductor, Copper (26 05 19 16-0012)		
26 05 19 16-0014 MLF #14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	579.73	236.48
26 05 19 16-0015 MLF #12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	723.59	278.18
26 05 19 16-0016 MLF #10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	891.91	340.16
26 05 19 16-0017 MLF #14 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	788.68	236.48
26 05 19 16-0018 MLF #12 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	958.22	278.18
26 05 19 16-0019 MLF #10 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	1,157.41	340.16
26 05 19 16-0020 Power Cable, Stranded Conductor, Copper (26 05 19 16-0020)		
26 05 19 16-0021 Power Cable, Stranded, Single Conductor, XHHW-2 (26 05 19 16-0020)		
26 05 19 16-0022 MLF #16 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	638.90	194.87
26 05 19 16-0023 MLF #14 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	752.36	233.85
26 05 19 16-0024 MLF #12 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	933.54	272.83
26 05 19 16-0025 MLF #10 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	1,160.42	311.80
26 05 19 16-0026 MLF #8 AWG, XLP (XHHW-2), 600 Volt, Copper, Single Stranded, Power Cable, Installed In Conduit	1,559.43	389.75
26 05 19 16-0027 MLF #6 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	2,136.57	467.71
26 05 19 16-0028 MLF #4 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	2,953.24	584.63
26 05 19 16-0029 MLF #3 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	3,508.94	662.58
26 05 19 16-0030 MLF #2 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	4,177.18	740.54
26 05 19 16-0031 MLF #1 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	5,228.87	818.48
26 05 19 16-0032 MLF 1/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	6,297.14	935.41
26 05 19 16-0033 MLF 2/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	7,578.04	1,052.34
26 05 19 16-0034 MLF 3/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	9,116.52	1,169.26
26 05 19 16-0035 MLF 4/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	10,983.12	1,286.19
26 05 19 16-0036 MLF 250 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	11,619.16	1,403.12
26 05 19 16-0037 MLF 300 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	13,850.37	1,520.04
26 05 19 16-0038 MLF 350 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	14,767.34	1,636.96
26 05 19 16-0039 MLF 400 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	16,557.47	1,753.89
26 05 19 16-0040 MLF 500 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	19,254.04	1,870.82
26 05 19 16-0041 MLF 600 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	22,238.82	2,026.72
26 05 19 16-0042 MLF 750 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	34,221.55	2,260.57
26 05 19 16-0043 MLF 1,000 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	48,543.19	2,650.33
26 05 19 16-0044 Power Cable, Stranded, Multi Conductor, XHHW-2 (26 05 19 16-0020)		
26 05 19 16-0045 MLF 2 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	1,504.71	467.61
26 05 19 16-0046 MLF 3 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	1,867.32	545.76
26 05 19 16-0047 MLF 4 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,327.47	662.58
26 05 19 16-0048 MLF 6 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,808.20	720.75
26 05 19 16-0049 MLF 7 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,073.93	759.92
26 05 19 16-0050 MLF 9 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,603.93	837.78
26 05 19 16-0051 MLF 10 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,350.73	873.24
26 05 19 16-0052 MLF 12 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,400.03	954.90
26 05 19 16-0053 MLF 14 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,882.01	1,013.56
26 05 19 16-0054 MLF 24 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	7,241.21	1,286.28
26 05 19 16-0055 MLF 37 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	10,980.50	1,909.79
26 05 19 16-0056 MLF 2 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	1,867.32	545.76
26 05 19 16-0057 MLF 3 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,410.97	662.58
26 05 19 16-0058 MLF 4 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,954.65	779.51
26 05 19 16-0059 MLF 2 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,514.97	701.26
26 05 19 16-0060 MLF 3 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,284.55	856.68
26 05 19 16-0061 MLF 4 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,252.40	1,091.51
26 05 19 16-0062 MLF 6 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	5,794.48	1,403.60
26 05 19 16-0063 MLF 9 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	7,910.59	1,792.96
26 05 19 16-0064 MLF 2 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,167.60	799.00
26 05 19 16-0065 MLF 3 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,093.69	935.41
26 05 19 16-0066 MLF 4 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	5,312.09	1,188.75
26 05 19 16-0067 MLF 2 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,175.79	896.44



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0068 MLF 3 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	5,678.91	1,110.80
26 05 19 16-0069 MLF 4 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	7,294.18	1,369.98
26 05 19 16-0070 MLF 2 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	5,702.27	1,087.61
26 05 19 16-0071 MLF 3 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	7,585.00	1,244.00
26 05 19 16-0072 MLF 4 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	9,847.52	1,552.39
26 05 19 16-0073 MLF 2 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	7,963.62	1,324.77
26 05 19 16-0074 MLF 3 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	10,681.17	1,481.46
26 05 19 16-0075 MLF 4 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	14,175.33	1,948.77
26 05 19 16-0076 MLF 3 Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	14,224.22	1,870.53
26 05 19 16-0077 MLF 4 Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	18,574.44	2,337.55
26 05 19 16-0078 MLF 3 Conductors, 1/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	16,943.53	2,027.11
26 05 19 16-0079 MLF 3 Conductors, 2/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	20,685.45	2,337.55
26 05 19 16-0080 MLF 3 Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	25,397.84	2,727.11
26 05 19 16-0081 MLF 4 Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	33,539.12	3,506.33
26 05 19 16-0082 MLF 3 Conductors, 4/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	31,104.73	3,120.67
26 05 19 16-0083 MLF 3 Conductors, 250 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	33,099.78	3,506.33
26 05 19 16-0084 MLF 3 Conductors, 350 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	41,768.59	3,897.54
26 05 19 16-0085 MLF 3 Conductors, 500 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	54,439.97	4,283.59
26 05 19 16-0086 Underground Feeder And Branch Circuit Suitable, Single Stranded Copper		
(26 05 19 16-0012) Note: Direct bury.		
26 05 19 16-0087 MLF #14 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	925.10	
26 05 19 16-0088 MLF #12 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,090.20	
26 05 19 16-0089 MLF #10 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,384.82	
26 05 19 16-0090 MLF #8 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,834.35	
26 05 19 16-0091 MLF #6 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,614.22	
26 05 19 16-0092 MLF #4 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,462.49	
26 05 19 16-0093 MLF #2 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,066.95	
26 05 19 16-0094 MLF #1 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,362.81	
26 05 19 16-0095 MLF 1/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	7,844.41	
26 05 19 16-0096 MLF 2/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	9,551.86	
26 05 19 16-0097 MLF 3/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	11,571.84	
26 05 19 16-0098 MLF 4/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	13,092.17	
26 05 19 16-0099 MLF 250 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	14,171.78	
26 05 19 16-0100 MLF 300 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	17,058.56	
26 05 19 16-0101 MLF 350 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	19,108.19	
26 05 19 16-0102 MLF 400 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	21,517.02	
26 05 19 16-0103 MLF 500 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	25,603.39	
26 05 19 16-0104 MLF 600 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	30,321.67	
26 05 19 16-0105 MLF 750 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	48,780.35	
26 05 19 16-0106 MLF #14 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	745.56	
26 05 19 16-0107 MLF #12 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	897.48	
26 05 19 16-0108 MLF #10 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,081.71	
26 05 19 16-0109 MLF #8 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,323.32	
26 05 19 16-0110 MLF #6 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,718.14	
26 05 19 16-0111 MLF #4 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,302.67	
26 05 19 16-0112 MLF #2 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,151.91	
26 05 19 16-0113 MLF #1 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,756.97	
26 05 19 16-0114 MLF 1/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,248.45	
26 05 19 16-0115 MLF 2/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,789.18	
26 05 19 16-0116 MLF 3/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,591.08	
26 05 19 16-0117 MLF 4/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,572.27	
26 05 19 16-0118 MLF 250 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	7,481.61	
26 05 19 16-0119 MLF 300 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	8,443.84	
26 05 19 16-0120 MLF 350 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	9,493.02	
26 05 19 16-0121 MLF 400 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,580.06	
26 05 19 16-0122 MLF 500 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	12,405.07	
26 05 19 16-0123 MLF 750 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	21,162.09	
26 05 19 16-0124 MLF #14 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	623.89	
26 05 19 16-0125 MLF #12 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	780.19	
26 05 19 16-0126 MLF #10 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	975.84	
26 05 19 16-0127 MLF #8 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,388.32	
26 05 19 16-0128 MLF #6 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,917.31	
26 05 19 16-0129 MLF #4 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,569.74	
26 05 19 16-0130 MLF #2 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,707.07	
26 05 19 16-0131 MLF #1 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,444.61	
26 05 19 16-0132 MLF 1/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,173.04	
26 05 19 16-0133 MLF 2/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,893.51	
26 05 19 16-0134 MLF 3/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	7,049.42	
26 05 19 16-0135 MLF 4/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	8,445.62	
26 05 19 16-0136 MLF 250 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	9,961.76	

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0137 MLF 300 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	11,544.37	
26 05 19 16-0138 MLF 350 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	13,250.66	
26 05 19 16-0139 MLF 400 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	14,894.54	
26 05 19 16-0140 MLF 500 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	17,794.18	
26 05 19 16-0141 MLF 600 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	21,481.44	
26 05 19 16-0142 MLF 750 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	34,486.41	
26 05 19 16-0143 MLF #2 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,864.68	
26 05 19 16-0144 MLF 1/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	8,506.30	
26 05 19 16-0145 MLF 2/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	9,435.05	
26 05 19 16-0146 MLF 3/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	10,734.32	
26 05 19 16-0147 MLF 4/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	11,938.99	
26 05 19 16-0148 MLF 250 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	12,854.76	
26 05 19 16-0149 MLF 350 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	18,685.55	
26 05 19 16-0150 MLF 400 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	20,331.11	
26 05 19 16-0151 MLF 500 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	23,275.09	
26 05 19 16-0152 600 Volt, Armored Cable, Copper Conductors (26 05 19 16-0012)		
26 05 19 16-0153 ACTHH, Solid (26 05 19 16-0152)		
26 05 19 16-0154 MLF 1 Conductor, #8 AWG, Type ACT, Solid, Armored Cable	2,283.98	639.97
26 05 19 16-0155 MLF 1 Conductor, #6 AWG, Type ACT, Solid, Armored Cable	2,634.11	725.29
26 05 19 16-0156 MLF 1 Conductor, #4 AWG, Type ACT, Solid, Armored Cable	3,013.74	767.96
26 05 19 16-0157 MLF 2 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	3,294.67	1,066.61
26 05 19 16-0158 MLF 2 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	3,530.29	1,194.39
26 05 19 16-0159 MLF 2 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	4,468.39	1,323.34
26 05 19 16-0160 MLF 2 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	5,838.67	1,451.12
26 05 19 16-0161 MLF 3 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	3,983.35	1,194.39
26 05 19 16-0162 MLF 3 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	4,173.50	1,323.34
26 05 19 16-0163 MLF 3 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	5,335.59	1,493.89
26 05 19 16-0164 MLF 3 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	6,928.99	1,621.03
26 05 19 16-0165 MLF 4 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	4,749.20	1,323.34
26 05 19 16-0166 MLF 4 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	5,204.38	1,493.89
26 05 19 16-0167 MLF 4 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	6,620.92	1,664.01
26 05 19 16-0168 MLF 4 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	8,586.35	1,792.64
26 05 19 16-0169 ACTHH, Stranded (26 05 19 16-0152)		
26 05 19 16-0170 MLF 2 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	6,053.00	1,536.87
26 05 19 16-0171 MLF 2 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	7,382.60	1,748.49
26 05 19 16-0172 MLF 3 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	7,142.96	1,706.57
26 05 19 16-0173 MLF 3 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	8,961.08	1,918.40
26 05 19 16-0174 MLF 3 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable	11,344.15	2,133.22
26 05 19 16-0175 MLF 3 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable	13,043.90	2,344.19
26 05 19 16-0176 MLF 3 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable	14,948.85	2,557.83
26 05 19 16-0177 MLF 4 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	9,222.88	2,047.24
26 05 19 16-0178 MLF 4 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	11,169.72	2,259.72
26 05 19 16-0179 MLF 4 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable	14,376.32	2,474.75
26 05 19 16-0180 MLF 4 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable	15,755.65	2,686.68
26 05 19 16-0181 MLF 4 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable	18,698.77	2,898.40
26 05 19 16-0182 HCFC, Solid (26 05 19 16-0152)		
26 05 19 16-0183 MLF 2 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	3,689.23	1,066.61
26 05 19 16-0184 MLF 2 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	4,038.90	1,198.44
26 05 19 16-0185 MLF 2 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	4,514.85	1,316.84
26 05 19 16-0186 MLF 3 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	4,473.71	1,198.44
26 05 19 16-0187 MLF 3 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	4,799.36	1,316.84
26 05 19 16-0188 MLF 3 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	6,280.48	1,502.31
26 05 19 16-0189 MLF 4 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	5,499.26	1,316.84
26 05 19 16-0190 MLF 4 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	6,007.53	1,502.31
26 05 19 16-0191 MLF 4 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	8,218.77	1,666.58
26 05 19 16-0192 MC, Solid Or Stranded, Galvanized Steel Armor (26 05 19 16-0152)		
26 05 19 16-0193 MLF 2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	3,170.42	1,066.61
26 05 19 16-0194 MLF 2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	3,544.14	1,198.44
26 05 19 16-0195 MLF 2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	4,208.42	1,316.84
26 05 19 16-0196 MLF 2 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,266.02	1,407.17
26 05 19 16-0197 MLF 2 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	6,447.75	1,491.76
26 05 19 16-0198 MLF 3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	3,647.79	1,198.44
26 05 19 16-0199 MLF 3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	4,100.92	1,316.84
26 05 19 16-0200 MLF 3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,139.69	1,502.31
26 05 19 16-0201 MLF 3 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	6,541.03	1,621.03
26 05 19 16-0202 MLF 3 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	7,588.21	1,748.49



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0203 MLF 3 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	9,271.28	1,877.87
26 05 19 16-0204 MLF 3 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	12,578.55	2,004.91
26 05 19 16-0205 MLF 4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	4,199.01	1,316.84
26 05 19 16-0206 MLF 4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	4,807.79	1,502.31
26 05 19 16-0207 MLF 4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	7,015.55	1,666.58
26 05 19 16-0208 MLF 4 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	9,340.54	1,835.84
26 05 19 16-0209 MLF 4 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	11,301.07	1,964.26
26 05 19 16-0210 MLF 4 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	14,707.44	2,091.40
26 05 19 16-0211 MLF 4 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	18,802.38	2,217.48
26 05 19 16-0212 FPLP Solid TFN Red Armored Cable (26 05 19 16-0152)		
Note: Color coded red.		
26 05 19 16-0213 MLF #18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable	3,109.64	810.63
26 05 19 16-0214 MLF #18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable	3,539.36	938.62
26 05 19 16-0215 MLF #18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable	4,344.40	1,066.61
26 05 19 16-0216 MLF #18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable	4,970.22	1,194.60
26 05 19 16-0217 MLF #16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable	3,546.50	938.62
26 05 19 16-0218 MLF #16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable	4,172.98	1,066.61
26 05 19 16-0219 MLF #16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable	5,176.06	1,194.60
26 05 19 16-0220 MLF #16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable	5,872.02	1,322.59
26 05 19 16-0221 FPLP Solid THHN Red Armored Cable (26 05 19 16-0152)		
Note: Color coded red.		
26 05 19 16-0222 MLF #14/2 With #14 Ground Type THHN FPLP Red Armored Cable.....	3,950.26	1,066.61
26 05 19 16-0223 MLF #14/4 With #14 Ground Type THHN FPLP Red Armored Cable.....	4,847.50	1,194.60
26 05 19 16-0224 MLF #14/6 With #14 Ground Type THHN FPLP Red Armored Cable.....	6,331.10	1,322.59
26 05 19 16-0225 MLF #14/8 With #14 Ground Type THHN FPLP Red Armored Cable.....	7,303.66	1,450.58
26 05 19 16-0226 MLF #12/2 With #12 Ground Type THHN FPLP Red Armored Cable.....	4,916.33	1,194.60
26 05 19 16-0227 MLF #12/4 With #12 Ground Type THHN FPLP Red Armored Cable.....	5,953.83	1,322.59
26 05 19 16-0228 FPLP Twisted Shielded Pair Red Armored Cable (26 05 19 16-0152)		
Note: Color coded red.		
26 05 19 16-0229 MLF #18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	3,343.40	810.63
26 05 19 16-0230 MLF #18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	5,311.12	1,194.60
26 05 19 16-0231 MLF #16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	4,086.10	938.62
26 05 19 16-0232 MLF #16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable.....	4,808.03	1,066.61
26 05 19 16-0233 MLF #16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable	6,614.86	1,322.59
26 05 19 16-0234 MLF #14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	4,790.67	1,109.28
26 05 19 16-0235 MLF #14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	5,878.33	1,279.93
26 05 19 16-0236 Armored Cable Connectors (26 05 19 16-0152)		
26 05 19 16-0237 EA 3/4" Armored Cable Connector	6.33	2.34
For Work In Restricted Working Space, Add	1.76	
For Elevated Installation >10' To 15', Add	0.59	
For Elevated Installation >15' To 20', Add	1.17	
For Elevated Installation >20' To 25', Add	1.46	
For Elevated Installation >25' To 30', Add	2.05	
For Elevated Installation >30' To 35', Add	2.34	
For Elevated Installation >35' To 40', Add	2.93	
For Elevated Installation >40', Add	3.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.76	
26 05 19 16-0238 EA 1" Armored Cable Connector	8.44	3.12
For Work In Restricted Working Space, Add	2.34	
For Elevated Installation >10' To 15', Add	0.78	
For Elevated Installation >15' To 20', Add	1.56	
For Elevated Installation >20' To 25', Add	1.95	
For Elevated Installation >25' To 30', Add	2.73	
For Elevated Installation >30' To 35', Add	3.12	
For Elevated Installation >35' To 40', Add	3.90	
For Elevated Installation >40', Add	4.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.34	
26 05 19 16-0239 EA 1-1/4" Armored Cable Connector	10.61	3.90
For Work In Restricted Working Space, Add	2.93	
For Elevated Installation >10' To 15', Add	0.98	
For Elevated Installation >15' To 20', Add	1.95	
For Elevated Installation >20' To 25', Add	2.44	
For Elevated Installation >25' To 30', Add	3.41	
For Elevated Installation >30' To 35', Add	3.90	
For Elevated Installation >35' To 40', Add	4.88	
For Elevated Installation >40', Add	5.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.93	
26 05 19 16-0240 600 Volt, Feeder Wire, Single Stranded Copper (26 05 19 16-0012)		
26 05 19 16-0241 MLF #14 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	856.61	156.19
For EPR Insulation, Add	40.80	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	95.19	

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0242 MLF #12 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	959.32	172.95
For EPR Insulation, Add	41.59	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	97.04	
26 05 19 16-0243 MLF #10 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,184.30	216.21
For EPR Insulation, Add	60.72	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	141.68	
26 05 19 16-0244 MLF #8 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,639.85	343.96
For EPR Insulation, Add	99.82	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	232.91	
26 05 19 16-0245 MLF #6 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,287.51	412.75
For EPR Insulation, Add	167.74	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	391.39	
26 05 19 16-0246 MLF #4 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,153.35	479.20
For EPR Insulation, Add	253.77	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	592.12	
26 05 19 16-0247 MLF #3 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,600.71	548.48
For EPR Insulation, Add	291.64	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	680.49	
26 05 19 16-0248 MLF #2 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	4,598.98	617.76
For EPR Insulation, Add	412.15	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	961.68	
26 05 19 16-0249 MLF #1 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	5,758.74	688.02
For EPR Insulation, Add	556.88	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	1,299.39	
26 05 19 16-0250 MLF 1/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	6,975.23	776.20
For EPR Insulation, Add	695.51	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	1,622.85	
26 05 19 16-0251 MLF 2/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	8,459.28	860.77
For EPR Insulation, Add	874.27	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	2,039.95	
26 05 19 16-0252 MLF 3/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	10,206.50	960.94
For EPR Insulation, Add	1,092.50	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	2,549.17	
26 05 19 16-0253 MLF 4/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	11,533.01	1,068.41
For EPR Insulation, Add	1,247.63	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	2,911.14	
26 05 19 16-0254 MLF 250 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	12,261.03	1,171.79
For EPR Insulation, Add	1,312.99	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	3,063.64	
26 05 19 16-0255 MLF 300 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	14,552.05	1,288.14
For EPR Insulation, Add	1,612.79	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	3,763.18	
26 05 19 16-0256 MLF 350 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	16,269.46	1,365.60
For EPR Insulation, Add	1,826.56	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	4,261.96	
26 05 19 16-0257 MLF 400 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	18,278.13	1,526.28
For EPR Insulation, Add	2,084.01	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	4,862.69	
26 05 19 16-0258 MLF 500 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	20,968.40	1,697.48
For EPR Insulation, Add	2,443.70	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	5,701.97	
26 05 19 16-0259 MLF 600 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	24,652.10	1,766.08
For EPR Insulation, Add	2,937.80	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	6,854.86	
26 05 19 16-0260 MLF 750 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	40,626.70	1,834.57
For EPR Insulation, Add	5,246.29	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	12,241.34	
26 05 19 16-0261 MLF 1,000 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	51,420.35	1,960.27
For EPR Insulation, Add	6,806.87	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	15,882.70	
26 05 19 16-0262 MLF #16 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,489.88	350.58
26 05 19 16-0263 MLF #14 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,884.83	389.75
26 05 19 16-0264 MLF #12 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,375.20	468.09
26 05 19 16-0265 MLF #10 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,819.88	545.46
26 05 19 16-0266 MLF #8 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	4,302.75	584.05
26 05 19 16-0267 MLF #18 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	472.76	194.87
26 05 19 16-0268 MLF #16 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	589.36	214.37
26 05 19 16-0269 MLF #14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	617.38	156.29
26 05 19 16-0270 MLF #12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	770.88	186.30
26 05 19 16-0271 MLF #10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	961.88	234.34
26 05 19 16-0272 MLF #8 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,363.97	308.88
26 05 19 16-0273 MLF #6 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,877.05	373.00
26 05 19 16-0274 MLF #4 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,507.69	440.81
26 05 19 16-0275 MLF #3 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,006.43	498.98
26 05 19 16-0276 MLF #2 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,609.42	558.81
26 05 19 16-0277 MLF #1 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	4,321.12	630.62
26 05 19 16-0278 MLF 1/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	5,028.79	690.54
26 05 19 16-0279 MLF 2/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	5,724.23	763.14
26 05 19 16-0280 MLF 3/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	6,834.37	807.18
26 05 19 16-0281 MLF 4/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	8,178.01	908.13
26 05 19 16-0282 MLF 250 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	9,635.87	966.11
26 05 19 16-0283 MLF 300 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	11,157.03	1,094.14
26 05 19 16-0284 MLF 350 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	12,796.00	1,210.86
26 05 19 16-0285 MLF 400 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	14,375.53	1,244.00



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0286 MLF 500 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	17,151.00	1,316.10
26 05 19 16-0287 MLF 600 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	21,384.00	1,548.79
26 05 19 16-0288 MLF 750 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	33,094.75	1,834.57
26 05 19 16-0289 MLF 1,000 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	39,696.86	2,214.97
26 05 19 16-0290 MLF #16 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,843.67	468.09
26 05 19 16-0291 MLF #14 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,078.91	545.46
26 05 19 16-0292 MLF #12 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,398.95	624.09
26 05 19 16-0293 MLF #10 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,991.93	701.26
26 05 19 16-0294 MLF #8 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,372.53	779.51
26 05 19 16-0295 MLF #6 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	4,143.48	856.68
26 05 19 16-0296 600 Volt, Feeder Wire, Single Stranded Aluminum (26 05 19 16-0012)		
26 05 19 16-0297 MLF #6 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	931.51	299.70
26 05 19 16-0298 MLF #4 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,095.88	348.49
26 05 19 16-0299 MLF #2 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,423.24	447.35
26 05 19 16-0300 MLF #1 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,695.36	499.54
26 05 19 16-0301 MLF 1/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,942.97	562.80
26 05 19 16-0302 MLF 2/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,186.21	621.18
26 05 19 16-0303 MLF 3/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,539.38	701.03
26 05 19 16-0304 MLF 4/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,807.81	773.42
26 05 19 16-0305 MLF 250 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	3,192.87	850.24
26 05 19 16-0306 MLF 300 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	3,785.73	924.63
26 05 19 16-0307 MLF 350 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	3,996.08	998.99
26 05 19 16-0308 MLF 400 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	4,529.90	1,111.15
26 05 19 16-0309 MLF 500 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	4,990.70	1,223.27
26 05 19 16-0310 MLF 600 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	6,010.88	1,424.97
26 05 19 16-0311 MLF 700 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	6,732.05	1,562.17
26 05 19 16-0312 MLF 750 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	6,905.50	1,620.08
26 05 19 16-0313 MLF 1,000 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	9,164.32	1,965.24
26 05 19 16-0314 MLF #8 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,030.91	346.01
26 05 19 16-0315 MLF #6 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,160.24	389.75
26 05 19 16-0316 MLF #4 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,427.79	479.49
26 05 19 16-0317 MLF #2 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,780.44	587.75
26 05 19 16-0318 MLF #1 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,185.20	691.91
26 05 19 16-0319 MLF 1/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,496.13	779.80
26 05 19 16-0320 MLF 2/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,811.19	866.13
26 05 19 16-0321 MLF 3/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	3,164.77	944.96
26 05 19 16-0322 MLF 4/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	3,405.75	1,005.66
26 05 19 16-0323 MLF 250 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	3,778.40	1,076.02
26 05 19 16-0324 MLF 300 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	4,386.35	1,153.19
26 05 19 16-0325 MLF 350 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	4,642.54	1,245.76
26 05 19 16-0326 MLF 400 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	5,182.93	1,358.49
26 05 19 16-0327 MLF 500 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	5,868.35	1,559.02
26 05 19 16-0328 MLF 600 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	6,598.84	1,640.68
26 05 19 16-0329 MLF 700 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	7,207.02	1,729.73
26 05 19 16-0330 MLF 750 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	7,507.83	1,838.28
26 05 19 16-0331 MLF 1,000 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	10,776.02	2,576.28
26 05 19 16-0332 MLF #6 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,177.34	389.75
26 05 19 16-0333 MLF #4 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,459.32	479.39
26 05 19 16-0334 MLF #2 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,807.71	588.53
26 05 19 16-0335 MLF #1 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,201.25	688.02
26 05 19 16-0336 MLF 1/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,485.55	776.20
26 05 19 16-0337 MLF 2/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,789.85	860.77
26 05 19 16-0338 MLF 3/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	3,162.72	944.96
26 05 19 16-0339 MLF 4/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	3,418.84	1,005.66
26 05 19 16-0340 MLF 250 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	3,790.17	1,075.33
26 05 19 16-0341 MLF 300 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	4,394.35	1,154.64
26 05 19 16-0342 MLF 350 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	4,684.30	1,247.41
26 05 19 16-0343 MLF 400 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	5,151.43	1,355.37
26 05 19 16-0344 MLF 500 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	5,927.19	1,559.02
26 05 19 16-0345 MLF 600 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	6,584.24	1,636.28
26 05 19 16-0346 MLF 700 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	7,189.12	1,729.73
26 05 19 16-0347 MLF 750 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	7,516.16	1,832.72
26 05 19 16-0348 Non-Metallic Sheathed Cable (26 05 19 16-0012)		
26 05 19 16-0349 Indoor Installation (26 05 19 16-0348)		
Note: For NM, NM-B, NMC-B and NMS-B.		
26 05 19 16-0350 MLF 2 Conductors With Ground Cable, #14 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	2,111.20	740.44
For Installation In Wood Stud Wall (Includes Drilling), Add	277.66	
26 05 19 16-0351 MLF 3 Conductors With Ground Cable, #14 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	2,594.53	896.44
For Installation In Wood Stud Wall (Includes Drilling), Add	336.18	
26 05 19 16-0352 MLF 2 Conductors With Ground Cable, #12 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	2,308.10	841.87
For Installation In Wood Stud Wall (Includes Drilling), Add	299.63	
26 05 19 16-0353 MLF 3 Conductors With Ground Cable, #12 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	2,856.66	935.22
For Installation In Wood Stud Wall (Includes Drilling), Add	350.72	
26 05 19 16-0354 MLF 2 Conductors With Ground Cable, #10 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	2,893.85	935.70
For Installation In Wood Stud Wall (Includes Drilling), Add	350.90	
26 05 19 16-0355 MLF 3 Conductors With Ground Cable, #10 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	3,532.89	1,091.51
For Installation In Wood Stud Wall (Includes Drilling), Add	409.31	

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0356 MLF 2 Conductors With Ground Cable, #8 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	3,651.58 399.01	1,120.54
26 05 19 16-0357 MLF 3 Conductors With Ground Cable, #8 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	4,712.11 482.32	1,354.40
26 05 19 16-0358 MLF 2 Conductors With Ground Cable, #6 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	4,372.33 453.09	1,276.44
26 05 19 16-0359 MLF 3 Conductors With Ground Cable, #6 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	5,607.94 548.09	1,539.53
26 05 19 16-0360 MLF 3 Conductors With Ground Cable, #4 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	7,188.10 602.90	1,695.43
26 05 19 16-0361 MLF 3 Conductors With Ground Cable, #3 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	9,860.26 657.71	1,841.59
26 05 19 16-0362 Direct Burial Cable (26 05 19 16-0348) Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.		
26 05 19 16-0363 MLF 2 Conductors With Ground Cable, #14 AWG, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	2,455.04	
26 05 19 16-0364 MLF 3 Conductors With Ground Cable, #14 AWG, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,131.30	
26 05 19 16-0365 MLF 2 Conductors With Ground Cable, #12 AWG, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,137.87	
26 05 19 16-0366 MLF 3 Conductors With Ground Cable, #12 AWG, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,732.31	
26 05 19 16-0367 MLF 2 Conductors With Ground Cable, #10 AWG, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,604.26	
26 05 19 16-0368 MLF 3 Conductors With Ground Cable, #10 AWG, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	4,554.61	
26 05 19 16-0369 MLF 2 Conductors With Ground Cable, #8 AWG, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	5,046.05	
26 05 19 16-0370 MLF 3 Conductors With Ground Cable, #8 AWG, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	6,458.13	
26 05 19 16-0371 MLF 2 Conductors With Ground Cable, #6 AWG, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	6,656.22	
26 05 19 16-0372 MLF 3 Conductors With Ground Cable, #6 AWG, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	7,950.02	
26 05 19 16-0373 SEU Cable Copper, 3 Conductor (26 05 19 16-0348)		
26 05 19 16-0374 MLF 12-12-12 Cable SEU Copper	2,960.33	938.94
26 05 19 16-0375 MLF 10-10-10 Cable SEU Copper	3,762.42	1,066.61
26 05 19 16-0376 MLF 8-8-8 Cable SEU Copper	4,737.72	1,194.39
26 05 19 16-0377 MLF 6-6-8 Cable SEU Copper	5,790.47	1,280.47
26 05 19 16-0378 MLF 6-6-6 Cable SEU Copper	6,251.98	1,323.34
26 05 19 16-0379 MLF 4-4-6 Cable SEU Copper	7,690.68	1,451.12
26 05 19 16-0380 MLF 4-4-4 Cable SEU Copper	8,316.77	1,493.89
26 05 19 16-0381 MLF 3-3-5 Cable SEU Copper	9,734.54	1,621.03
26 05 19 16-0382 MLF 3-3-3 Cable SEU Copper	10,346.32	1,706.57
26 05 19 16-0383 MLF 2-2-4 Cable SEU Copper	11,065.88	1,792.64
26 05 19 16-0384 MLF 2-2-2 Cable SEU Copper	11,847.80	1,877.87
26 05 19 16-0385 MLF 1-1-1 Cable SEU Copper	14,574.48	2,133.22
26 05 19 16-0386 MLF 1/0-1/0-1/0 Cable SEU Copper	17,409.21	2,391.55
26 05 19 16-0387 MLF 2/0-2/0-2/0 Cable SEU Copper	21,045.88	2,693.51
26 05 19 16-0388 MLF 3/0-3/0-3/0 Cable SEU Copper	25,428.19	2,996.10
26 05 19 16-0389 MLF 4/0-4/0-4/0 Cable SEU Copper	28,419.47	3,343.60
26 05 19 16-0390 SEU Cable Aluminum, 3 Conductor (26 05 19 16-0348)		
26 05 19 16-0391 MLF 8-8-8 Cable SEU Aluminum	3,389.05	1,198.44
26 05 19 16-0392 MLF 6-6-6 Cable SEU Aluminum	3,797.23	1,316.84
26 05 19 16-0393 MLF 4-4-6 Cable SEU Aluminum	4,214.25	1,441.41
26 05 19 16-0394 MLF 4-4-4 Cable SEU Aluminum	4,403.42	1,502.31
26 05 19 16-0395 MLF 2-2-4 Cable SEU Aluminum	5,242.11	1,777.72
26 05 19 16-0396 MLF 2-2-2 Cable SEU Aluminum	5,543.47	1,871.26
26 05 19 16-0397 MLF 1-1-1 Cable SEU Aluminum	6,505.74	2,133.22
26 05 19 16-0398 MLF 1/0-1/0-2 Cable SEU Aluminum	6,869.78	2,245.53
26 05 19 16-0399 MLF 1/0-1/0-1/0 Cable SEU Aluminum	7,869.98	2,370.21
26 05 19 16-0400 MLF 2/0-2/0-1 Cable SEU Aluminum	7,762.07	2,539.59
26 05 19 16-0401 MLF 2/0-2/0-2/0 Cable SEU Aluminum	8,178.14	2,666.52
26 05 19 16-0402 MLF 3/0-3/0-1/0 Cable SEU Aluminum	8,758.43	2,792.16
26 05 19 16-0403 MLF 3/0-3/0-3/0 Cable SEU Aluminum	9,337.54	2,962.82
26 05 19 16-0404 MLF 4/0-4/0-2/0 Cable SEU Aluminum	9,958.46	3,203.03
26 05 19 16-0405 MLF 4/0-4/0-4/0 Cable SEU Aluminum	10,451.12	3,333.15
26 05 19 16-0406 SER Cable Copper, 4 Conductor (26 05 19 16-0348)		
26 05 19 16-0407 MLF 6-6-6-6 Cable SER Copper	9,978.80	1,536.87
26 05 19 16-0408 MLF 4-4-4-6 Cable SER Copper	13,004.39	1,664.01
26 05 19 16-0409 MLF 3-3-3-5 Cable SER Copper	15,301.30	1,877.87
26 05 19 16-0410 MLF 2-2-2-4 Cable SER Copper	17,923.86	2,047.24
26 05 19 16-0411 MLF 1-1-1-3 Cable SER Copper	21,895.58	2,344.19
26 05 19 16-0412 MLF 1/0-1/0-1/0-2 Cable SER Copper	27,979.91	2,686.68



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0413	MLF	2/0-2/0-2/0-1 Cable SER Copper	33,552.07	2,898.40
26 05 19 16-0414	MLF	3/0-3/0-3/0-1/0 Cable SER Copper	40,580.25	3,241.95
26 05 19 16-0415 Control Tray Cable, Low Voltage <small>(26 05 19 16-0011)</small>				
Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit.				
26 05 19 16-0416	MLF	2 Conductor #18 AWG, Stranded, Type TC Control Cable	986.50	472.67
		For Work In Restricted Working Space, Add	236.34	
26 05 19 16-0417	MLF	3 Conductor #18 AWG, Stranded, Type TC Control Cable	1,136.71	528.74
		For Work In Restricted Working Space, Add	264.37	
26 05 19 16-0418	MLF	4 Conductor #18 AWG, Stranded, Type TC Control Cable	1,188.76	528.71
		For Work In Restricted Working Space, Add	264.37	
26 05 19 16-0419	MLF	5 Conductor #18 AWG, Stranded, Type TC Control Cable	1,488.48	663.14
		For Work In Restricted Working Space, Add	331.58	
26 05 19 16-0420	MLF	7 Conductor #18 AWG, Stranded, Type TC Control Cable	1,872.01	808.10
		For Work In Restricted Working Space, Add	404.06	
26 05 19 16-0421	MLF	9 Conductor #18 AWG, Stranded, Type TC Control Cable	2,133.97	888.63
		For Work In Restricted Working Space, Add	444.32	
26 05 19 16-0422	MLF	12 Conductor #18 AWG, Stranded, Type TC Control Cable	2,534.48	1,009.71
		For Work In Restricted Working Space, Add	504.86	
26 05 19 16-0423	MLF	15 Conductor #18 AWG, Stranded, Type TC Control Cable	3,201.88	1,234.15
		For Work In Restricted Working Space, Add	617.08	
26 05 19 16-0424	MLF	19 Conductor #18 AWG, Stranded, Type TC Control Cable	3,653.91	1,346.41
		For Work In Restricted Working Space, Add	673.20	
26 05 19 16-0425	MLF	25 Conductor #18 AWG, Stranded, Type TC Control Cable	4,310.74	1,388.50
		For Work In Restricted Working Space, Add	694.25	
26 05 19 16-0426	MLF	30 Conductor #18 AWG, Stranded, Type TC Control Cable	5,289.72	1,734.60
		For Work In Restricted Working Space, Add	867.30	
26 05 19 16-0427	MLF	37 Conductor #18 AWG, Stranded, Type TC Control Cable	6,340.41	2,027.21
		For Work In Restricted Working Space, Add	1,013.60	
26 05 19 16-0428	MLF	2 Conductor #16 AWG, Stranded, Type TC Control Cable	1,077.59	497.91
		For Work In Restricted Working Space, Add	248.76	
26 05 19 16-0429	MLF	3 Conductor #16 AWG, Stranded, Type TC Control Cable	1,246.98	556.57
		For Work In Restricted Working Space, Add	278.29	
26 05 19 16-0430	MLF	4 Conductor #16 AWG, Stranded, Type TC Control Cable	1,452.33	640.76
		For Work In Restricted Working Space, Add	320.38	
26 05 19 16-0431	MLF	5 Conductor #16 AWG, Stranded, Type TC Control Cable	1,642.45	698.05
		For Work In Restricted Working Space, Add	349.03	
26 05 19 16-0432	MLF	7 Conductor #16 AWG, Stranded, Type TC Control Cable	2,074.18	850.64
		For Work In Restricted Working Space, Add	425.32	
26 05 19 16-0433	MLF	9 Conductor #16 AWG, Stranded, Type TC Control Cable	2,375.15	935.41
		For Work In Restricted Working Space, Add	467.71	
26 05 19 16-0434	MLF	12 Conductor #16 AWG, Stranded, Type TC Control Cable	2,835.95	1,062.86
		For Work In Restricted Working Space, Add	531.43	
26 05 19 16-0435	MLF	15 Conductor #16 AWG, Stranded, Type TC Control Cable	3,596.28	1,299.05
		For Work In Restricted Working Space, Add	649.53	
26 05 19 16-0436	MLF	19 Conductor #16 AWG, Stranded, Type TC Control Cable	4,124.28	1,417.15
		For Work In Restricted Working Space, Add	708.57	
26 05 19 16-0437	MLF	25 Conductor #16 AWG, Stranded, Type TC Control Cable	4,931.67	1,461.58
		For Work In Restricted Working Space, Add	730.79	
26 05 19 16-0438	MLF	30 Conductor #16 AWG, Stranded, Type TC Control Cable	6,041.40	1,825.80
		For Work In Restricted Working Space, Add	912.90	
26 05 19 16-0439	MLF	37 Conductor #16 AWG, Stranded, Type TC Control Cable	7,258.66	2,133.91
		For Work In Restricted Working Space, Add	1,066.95	
26 05 19 16-0440	MLF	2 Conductor #14 AWG, Stranded, Type TC Control Cable	1,167.84	519.74
		For Work In Restricted Working Space, Add	259.87	
26 05 19 16-0441	MLF	3 Conductor #14 AWG, Stranded, Type TC Control Cable	1,394.27	584.63
		For Work In Restricted Working Space, Add	292.31	
26 05 19 16-0442	MLF	4 Conductor #14 AWG, Stranded, Type TC Control Cable	1,634.15	668.23
		For Work In Restricted Working Space, Add	334.12	
26 05 19 16-0443	MLF	5 Conductor #14 AWG, Stranded, Type TC Control Cable	1,838.18	719.68
		For Work In Restricted Working Space, Add	359.84	
26 05 19 16-0444	MLF	7 Conductor #14 AWG, Stranded, Type TC Control Cable	2,446.15	882.21
		For Work In Restricted Working Space, Add	441.10	
26 05 19 16-0445	MLF	9 Conductor #14 AWG, Stranded, Type TC Control Cable	2,818.93	974.38
		For Work In Restricted Working Space, Add	487.29	
26 05 19 16-0446	MLF	12 Conductor #14 AWG, Stranded, Type TC Control Cable	3,456.45	1,087.42
		For Work In Restricted Working Space, Add	543.71	
26 05 19 16-0447	MLF	15 Conductor #14 AWG, Stranded, Type TC Control Cable	4,128.54	1,298.86
		For Work In Restricted Working Space, Add	649.53	
26 05 19 16-0448	MLF	19 Conductor #14 AWG, Stranded, Type TC Control Cable	6,962.22	1,509.33
		For Work In Restricted Working Space, Add	754.47	
26 05 19 16-0449	MLF	25 Conductor #14 AWG, Stranded, Type TC Control Cable	6,182.54	1,764.61
		For Work In Restricted Working Space, Add	882.50	
26 05 19 16-0450	MLF	30 Conductor #14 AWG, Stranded, Type TC Control Cable	7,184.53	1,971.96
		For Work In Restricted Working Space, Add	985.98	
26 05 19 16-0451	MLF	37 Conductor #14 AWG, Stranded, Type TC Control Cable	8,653.84	2,304.62
		For Work In Restricted Working Space, Add	1,152.31	
26 05 19 16-0452	MLF	2 Conductor #12 AWG, Stranded, Type TC Control Cable	1,359.34	556.57
		For Work In Restricted Working Space, Add	278.29	
26 05 19 16-0453	MLF	3 Conductor #12 AWG, Stranded, Type TC Control Cable	1,623.34	615.81
		For Work In Restricted Working Space, Add	307.81	
26 05 19 16-0454	MLF	4 Conductor #12 AWG, Stranded, Type TC Control Cable	1,973.44	708.58
		For Work In Restricted Working Space, Add	354.29	

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0455 MLF 5 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	2,232.77 377.09	754.18
26 05 19 16-0456 MLF 7 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	2,941.63 449.58	899.17
26 05 19 16-0457 MLF 9 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	3,628.43 531.43	1,062.86
26 05 19 16-0458 MLF 12 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	4,411.38 599.54	1,199.08
26 05 19 16-0459 MLF 15 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	5,249.73 687.82	1,375.64
26 05 19 16-0460 MLF 19 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	6,208.23 779.61	1,559.21
26 05 19 16-0461 MLF 25 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	7,945.78 911.15	1,822.30
26 05 19 16-0462 MLF 30 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	9,201.66 1,064.90	2,129.82
26 05 19 16-0463 MLF 37 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	11,127.51 1,244.68	2,489.36
26 05 19 16-0464 MLF 2 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	1,619.01 292.31	584.63
26 05 19 16-0465 MLF 3 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	2,020.07 320.38	641.15
26 05 19 16-0466 MLF 4 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	2,459.93 365.40	730.79
26 05 19 16-0467 MLF 5 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	2,858.90 396.38	792.76
26 05 19 16-0468 MLF 7 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	3,870.25 497.52	995.04
26 05 19 16-0469 MLF 9 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	4,588.48 556.86	1,113.72
26 05 19 16-0470 MLF 12 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	5,346.82 649.53	1,299.05
26 05 19 16-0471 MLF 15 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	6,320.02 742.78	1,485.55
26 05 19 16-0472 MLF 19 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	7,496.03 841.87	1,683.74
26 05 19 16-0473 MLF 25 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	9,661.00 983.94	1,967.87
26 05 19 16-0474 MLF 30 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	11,180.80 1,149.97	2,299.94
26 05 19 16-0475 MLF 37 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	13,553.35 1,344.36	2,688.72
26 05 19 16-0476 ACSR (Aluminum Conductor Steel Reinforced) (26 05 19 16-0011) Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.		
26 05 19 16-0477 ACSR Cable (26 05 19 16-0476)		
26 05 19 16-0478 MLF #4 AWG, ACSR Cable Swan 6/1, Aluminum Cable, Installed On Poles (Aerial).....	1,389.36	490.41
26 05 19 16-0479 MLF #4 AWG, ACSR Cable Swanate 7/1, Aluminum Cable, Installed On Poles (Aerial).....	1,459.22	509.22
26 05 19 16-0480 MLF #2 AWG, ACSR Cable Sparrow 6/1, Aluminum Cable, Installed On Poles (Aerial).....	1,545.63	528.82
26 05 19 16-0481 MLF #2 AWG, ACSR Cable Sparate 7/1, Aluminum Cable, Installed On Poles (Aerial).....	1,616.11	547.97
26 05 19 16-0482 MLF 1/0 AWG, ACSR Cable Raven 6/1, Aluminum Cable, Installed On Poles (Aerial).....	1,737.17	566.55
26 05 19 16-0483 MLF 2/0 AWG, ACSR Cable Quail 6/1, Aluminum Cable, Installed On Poles (Aerial).....	1,998.33	642.24
26 05 19 16-0484 MLF 3/0 AWG, ACSR Cable Pigeon 6/1, Aluminum Cable, Installed On Poles (Aerial).....	2,272.92	716.23
26 05 19 16-0485 MLF 4/0 AWG, ACSR Cable Penguin 6/1, Aluminum Cable, Installed On Poles (Aerial).....	2,567.39	791.24
26 05 19 16-0486 MLF 336 AWG ACSR Cable Merlin 18/1, Aluminum Cable, Installed On Poles (Aerial).....	3,137.12	1,016.84
26 05 19 16-0487 MLF 477 AWG, ACSR Cable Hawk 26/1, Aluminum Cable, Installed On Poles (Aerial).....	3,582.43	1,166.41
26 05 19 16-0488 All Aluminum Conductors (26 05 19 16-0476)		
26 05 19 16-0489 MLF 795.0 ACSR Conductor Aluminum.....	26,564.45	9,632.19
26 05 19 16-0490 Single Conductor Installed On Poles (26 05 19 16-0011)		
26 05 19 16-0491 Bare Stranded Conductor (26 05 19 16-0490)		
26 05 19 16-0492 MLF #12 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	1,245.61	415.50
26 05 19 16-0493 MLF #10 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	1,461.62	452.90
26 05 19 16-0494 MLF #8 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	1,678.83	490.75
26 05 19 16-0495 MLF #6 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	2,061.44	528.82
26 05 19 16-0496 MLF #4 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	2,511.41	567.01
26 05 19 16-0497 MLF #2 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	3,605.44	680.08
26 05 19 16-0498 MLF #1 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	4,144.90	755.44
26 05 19 16-0499 MLF 1/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	4,732.13	829.43
26 05 19 16-0500 MLF 2/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	6,354.66	983.76
26 05 19 16-0501 MLF 3/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	7,715.39	1,131.06
26 05 19 16-0502 MLF 4/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	8,276.76	1,281.88
26 05 19 16-0503 MLF 250 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	10,483.98	1,510.76
26 05 19 16-0504 MLF 300 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	10,721.50	1,590.31
26 05 19 16-0505 MLF 350 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	13,406.63	1,665.43
26 05 19 16-0506 MLF 400 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	14,822.52	1,733.76
26 05 19 16-0507 MLF 500 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	17,293.91	1,807.75



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0508 Insulated Stranded Conductor (26 05 19 16-0490)		
26 05 19 16-0509 MLF #12 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	1,348.92	415.50
26 05 19 16-0510 MLF #10 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	1,594.92	452.90
26 05 19 16-0511 MLF #8 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	1,941.98	490.75
26 05 19 16-0512 MLF #6 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	2,111.25	528.82
26 05 19 16-0513 MLF #4 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	2,587.40	567.01
26 05 19 16-0514 MLF #2 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	3,495.69	680.08
26 05 19 16-0515 MLF #1 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	4,133.95	755.44
26 05 19 16-0516 MLF 1/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	4,884.94	829.43
26 05 19 16-0517 MLF 2/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	5,885.41	983.76
26 05 19 16-0518 MLF 3/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	7,061.30	1,131.06
26 05 19 16-0519 MLF 4/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	8,327.78	1,281.88
26 05 19 16-0520 MLF 250 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	10,171.77	1,510.76
26 05 19 16-0521 MLF 300 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	11,547.91	1,590.31
26 05 19 16-0522 MLF 350 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	12,669.44	1,665.43
26 05 19 16-0523 MLF 400 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	14,211.29	1,733.76
26 05 19 16-0524 MLF 500 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	15,993.85	1,807.75
26 05 19 16-0525 Bare Solid Conductor (26 05 19 16-0490)		
26 05 19 16-0526 MLF #12 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles.....	1,245.61	415.50
26 05 19 16-0527 MLF #8 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles.....	1,678.83	490.75
26 05 19 16-0528 MLF #6 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles.....	2,061.44	528.82
26 05 19 16-0529 MLF #4 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles.....	2,480.01	567.01
26 05 19 16-0530 Multi-Conductor Cords, Cables And Associated Equipment (26 05 19 16-0011)		
26 05 19 16-0531 Multi-Conductor Cords (26 05 19 16-0530) Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.		
26 05 19 16-0532 Multi-Conductor Type SOOW And SJOOW Cord (26 05 19 16-0531) Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0533 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0532)		
26 05 19 16-0534 #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0533)		
26 05 19 16-0535 LF 2 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.16	0.43
26 05 19 16-0536 LF 3 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.22	0.43
26 05 19 16-0537 LF 4 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.40	0.43
26 05 19 16-0538 #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0533)		
26 05 19 16-0539 LF 2 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.35	0.43
26 05 19 16-0540 LF 3 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.46	0.43
26 05 19 16-0541 LF 4 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.62	0.43
26 05 19 16-0542 #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0533)		
26 05 19 16-0543 LF 2 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.56	0.43
26 05 19 16-0544 LF 3 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.73	0.43
26 05 19 16-0545 LF 4 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.06	0.43
26 05 19 16-0546 #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0533)		
26 05 19 16-0547 LF 2 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.84	0.43
26 05 19 16-0548 LF 3 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.04	0.43
26 05 19 16-0549 LF 4 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.33	0.43
26 05 19 16-0550 #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0533)		
26 05 19 16-0551 LF 2 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.45	0.53
26 05 19 16-0552 LF 3 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.59	0.53
26 05 19 16-0553 LF 4 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.80	0.53
26 05 19 16-0554 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0534)		
26 05 19 16-0555 #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0554)		
26 05 19 16-0556 LF 2 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.23	0.43
26 05 19 16-0557 LF 3 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.34	0.43
26 05 19 16-0558 LF 4 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.51	0.43

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0559 LF 5 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.73	0.57
26 05 19 16-0560 LF 6 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.00	0.59
26 05 19 16-0561 LF 7 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.20	0.61
26 05 19 16-0562 LF 8 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.54	0.62
26 05 19 16-0563 LF 10 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.10	0.65
26 05 19 16-0564 LF 12 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.71	0.67
26 05 19 16-0565 LF 14 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.31	0.69
26 05 19 16-0566 LF 16 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.43	0.70
26 05 19 16-0567 LF 18 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.61	0.72
26 05 19 16-0568 LF 20 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.39	0.73
26 05 19 16-0569 LF 24 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.40	0.75
26 05 19 16-0570 LF 30 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.80	0.80
26 05 19 16-0571 #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0554)		
26 05 19 16-0572 LF 2 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.46	0.43
26 05 19 16-0573 LF 3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.57	0.43
26 05 19 16-0574 LF 4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.78	0.43
26 05 19 16-0575 LF 5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.87	0.57
26 05 19 16-0576 LF 6 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.18	0.59
26 05 19 16-0577 LF 7 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.49	0.61
26 05 19 16-0578 LF 8 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.90	0.62
26 05 19 16-0579 LF 9 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.06	0.64
26 05 19 16-0580 LF 10 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.54	0.65
26 05 19 16-0581 LF 12 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.35	0.67
26 05 19 16-0582 LF 14 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.76	0.69
26 05 19 16-0583 LF 16 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.54	0.70
26 05 19 16-0584 LF 18 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.61	0.72
26 05 19 16-0585 LF 20 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.57	0.73
26 05 19 16-0586 LF 24 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	10.43	0.75
26 05 19 16-0587 LF 26 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.51	0.77
26 05 19 16-0588 LF 30 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	13.45	0.80
26 05 19 16-0589 #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0554)		
26 05 19 16-0590 LF 2 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.76	0.43
26 05 19 16-0591 LF 3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.88	0.43
26 05 19 16-0592 LF 4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.18	0.43
26 05 19 16-0593 LF 5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.81	0.57
26 05 19 16-0594 LF 6 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.61	0.59
26 05 19 16-0595 LF 7 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.88	0.61
26 05 19 16-0596 LF 8 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.54	0.62
26 05 19 16-0597 LF 9 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.96	0.64
26 05 19 16-0598 LF 10 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.69	0.65
26 05 19 16-0599 LF 12 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.39	0.67
26 05 19 16-0600 LF 14 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.18	0.69
26 05 19 16-0601 LF 16 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.91	0.70
26 05 19 16-0602 LF 20 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.15	0.73
26 05 19 16-0603 LF 24 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	13.20	0.75
26 05 19 16-0604 LF 30 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	15.67	0.80
26 05 19 16-0605 #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0554)		
26 05 19 16-0606 LF 2 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.06	0.43
26 05 19 16-0607 LF 3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.29	0.43
26 05 19 16-0608 LF 4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.51	0.43
26 05 19 16-0609 LF 5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.41	0.57



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0610 LF 6 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.15	0.59
26 05 19 16-0611 LF 7 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.91	0.61
26 05 19 16-0612 LF 8 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.74	0.62
26 05 19 16-0613 LF 9 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.32	0.64
26 05 19 16-0614 LF 10 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.33	0.65
26 05 19 16-0615 LF 12 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.52	0.67
26 05 19 16-0616 LF 14 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	10.63	0.69
26 05 19 16-0617 LF 16 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.74	0.70
26 05 19 16-0618 LF 18 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	12.27	0.72
26 05 19 16-0619 LF 20 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	14.18	0.73
26 05 19 16-0620 LF 24 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	16.16	0.75
26 05 19 16-0621 LF 26 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	18.15	0.77
26 05 19 16-0622 LF 28 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	18.77	0.78
26 05 19 16-0623 LF 30 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	19.46	0.80
26 05 19 16-0624 #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord		
(26 05 19 16-0554)		
26 05 19 16-0625 LF 2 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.39	0.53
26 05 19 16-0626 LF 3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.58	0.53
26 05 19 16-0627 LF 4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.79	0.53
26 05 19 16-0628 LF 5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.78	0.57
26 05 19 16-0629 LF 6 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.37	0.59
26 05 19 16-0630 LF 7 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.54	0.61
26 05 19 16-0631 LF 10 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.78	0.65
26 05 19 16-0632 LF 12 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.25	0.67
26 05 19 16-0633 LF 16 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	14.43	0.70
26 05 19 16-0634 LF 20 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	21.15	0.73
26 05 19 16-0635 #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord		
(26 05 19 16-0554)		
26 05 19 16-0636 LF 3 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	4.94	0.64
26 05 19 16-0637 LF 4 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	5.41	0.74
26 05 19 16-0638 LF 5 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	7.50	0.74
26 05 19 16-0639 #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord		
(26 05 19 16-0554)		
26 05 19 16-0640 LF 3 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	7.24	0.74
26 05 19 16-0641 LF 4 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	8.75	0.85
26 05 19 16-0642 LF 5 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	10.52	1.06
26 05 19 16-0643 #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord		
(26 05 19 16-0554)		
26 05 19 16-0644 LF 3 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	11.65	1.06
26 05 19 16-0645 LF 4 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	12.81	1.17
26 05 19 16-0646 LF 5 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	15.52	1.28
26 05 19 16-0647 #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord		
(26 05 19 16-0554)		
26 05 19 16-0648 LF 3 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	17.17	2.14
26 05 19 16-0649 LF 4 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	21.87	2.67
26 05 19 16-0650 LF 5 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	26.28	3.52
26 05 19 16-0651 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord		
(26 05 19 16-0532)		
26 05 19 16-0652 #18 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord		
(26 05 19 16-0651)		
26 05 19 16-0653 LF 2 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.62	0.43
26 05 19 16-0654 LF 3 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.81	0.43
26 05 19 16-0655 LF 4 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	2.18	0.43
26 05 19 16-0656 #16 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord		
(26 05 19 16-0651)		

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0657	LF	2 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.74	0.43
26 05 19 16-0658	LF	3 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.04	0.43
26 05 19 16-0659	LF	4 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.18	0.43
26 05 19 16-0660		#14 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord (26 05 19 16-0651)		
26 05 19 16-0661	LF	2 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.49	0.43
26 05 19 16-0662	LF	3 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	3.73	0.43
26 05 19 16-0663	LF	4 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	4.82	0.53
26 05 19 16-0664		600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0632)		
26 05 19 16-0665		#18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0664)		
26 05 19 16-0666	LF	2 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.40	0.43
26 05 19 16-0667	LF	3 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.92	0.43
26 05 19 16-0668	LF	4 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.46	0.43
26 05 19 16-0669		#16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0664)		
26 05 19 16-0670	LF	2 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.58	0.43
26 05 19 16-0671	LF	3 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.11	0.43
26 05 19 16-0672	LF	4 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.95	0.43
26 05 19 16-0673	LF	5 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.27	0.53
26 05 19 16-0674		#14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0664)		
26 05 19 16-0675	LF	3 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.24	0.43
26 05 19 16-0676	LF	4 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.92	0.43
26 05 19 16-0677	LF	5 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.39	0.53
26 05 19 16-0678		#12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0664)		
26 05 19 16-0679	LF	3 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.88	0.43
26 05 19 16-0680	LF	4 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.48	0.43
26 05 19 16-0681	LF	5 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	5.01	0.53
26 05 19 16-0682		#10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0664)		
26 05 19 16-0683	LF	3 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.46	0.53
26 05 19 16-0684	LF	4 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	5.00	0.53
26 05 19 16-0685	LF	5 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	5.51	0.53
26 05 19 16-0686		Multi-Conductor Type SEOW Cord (26 05 19 16-0531) Note: Includes thermoplastic elastomeric (TPE) insulation.		
26 05 19 16-0687		600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord (26 05 19 16-0686)		
26 05 19 16-0688		#16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord (26 05 19 16-0687)		
26 05 19 16-0689	LF	3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.76	0.43
26 05 19 16-0690	LF	4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.97	0.43
26 05 19 16-0691	LF	5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.09	0.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0692 #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord (26 05 19 16-0687)		
26 05 19 16-0693 LF 3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.39	0.43
26 05 19 16-0694 LF 4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.78	0.43
26 05 19 16-0695 LF 5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	4.08	0.53
26 05 19 16-0696 #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord (26 05 19 16-0687)		
26 05 19 16-0697 LF 3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.03	0.43
26 05 19 16-0698 LF 4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.54	0.43
26 05 19 16-0699 LF 5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	4.50	0.53
26 05 19 16-0700 #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord (26 05 19 16-0687)		
26 05 19 16-0701 LF 3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.88	0.53
26 05 19 16-0702 LF 4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	4.50	0.53
26 05 19 16-0703 LF 5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	4.82	0.53
26 05 19 16-0704 Multi-Conductor Type W Cord (26 05 19 16-0531) Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0705 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (26 05 19 16-0704)		
26 05 19 16-0706 #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (26 05 19 16-0705)		
26 05 19 16-0707 LF 3 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.46	0.64
26 05 19 16-0708 LF 4 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.89	0.74
26 05 19 16-0709 LF 5 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	7.01	0.74
26 05 19 16-0710 #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (26 05 19 16-0705)		
26 05 19 16-0711 LF 3 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.85	0.74
26 05 19 16-0712 LF 4 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	6.99	0.85
26 05 19 16-0713 LF 5 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	8.72	1.06
26 05 19 16-0714 #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (26 05 19 16-0705)		
26 05 19 16-0715 LF 3 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	8.12	0.74
26 05 19 16-0716 LF 4 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	9.60	0.85
26 05 19 16-0717 LF 5 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	12.39	1.06
26 05 19 16-0718 Cord Grips, Cable Reels, Extension Cords, And Accessories (26 05 19 16-0530)		
26 05 19 16-0719 Cord Grips (26 05 19 16-0718)		
26 05 19 16-0720 EA Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel.....	66.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.39	
26 05 19 16-0721 EA Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel.....	67.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.39	
26 05 19 16-0722 Cable Reels (26 05 19 16-0718) Note: Includes handling, mounting, electrical connections and installing cord.		
26 05 19 16-0723 EA 30', 16-3, SJO, Extension Cord Reel (Cox Reels PC10-3016-A).....	652.56	53.33
26 05 19 16-0724 EA 50', 10-4, SEOW, Extension Cord Reel (Reelcraft L 7050 104 X 1).....	1,825.46	53.33
26 05 19 16-0725 EA 50', 16-3, SOOW, Extension Cord Reel (KH Industries RTFD3L-WW-B16K).....	1,361.82	53.33
26 05 19 16-0726 Extension Cords For Cable Reel (26 05 19 16-0718)		
26 05 19 16-0727 EA 100 LF, 120 Volt, 12 Gauge, 3 Wire, Extension Cord	139.64	
26 05 19 16-0728 EA 100 LF, 240 Volt, 10 Gauge, 3 Wire, Extension Cord	195.34	
26 05 19 16-0729 Plugs And Connector Bodies (26 05 19 16-0718) Note: Up to 277 volt		
26 05 19 16-0730 NEMA Twist-Lock Plugs (26 05 19 16-0729)		
26 05 19 16-0731 EA 15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7545C).....	75.35	
26 05 19 16-0732 EA 15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL4770CBK).....	77.04	
26 05 19 16-0733 EA 20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7102C).....	69.92	
26 05 19 16-0734 EA 20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2331)	75.14	
26 05 19 16-0735 EA 20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2411)	99.63	
26 05 19 16-0736 EA 20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2441)	106.27	
26 05 19 16-0737 EA 20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2511BK).....	112.76	
26 05 19 16-0738 EA 30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2611BK).....	100.62	
26 05 19 16-0739 EA 30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2711BK).....	116.57	
26 05 19 16-0740 EA 30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2761)	119.68	

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0741	EA	30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2811BK).....	123.63	
26 05 19 16-0742 NEMA Twist-Lock Connector Bodies (26 05 19 16-0729)				
26 05 19 16-0743	EA	15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7506C)	80.15	
26 05 19 16-0744	EA	15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL4779C)	86.15	
26 05 19 16-0745	EA	20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7101C)	73.52	
26 05 19 16-0746	EA	20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2323BK)	100.62	
26 05 19 16-0747	EA	20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2413BK)	118.12	
26 05 19 16-0748	EA	20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2443)	128.59	
26 05 19 16-0749	EA	20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2513BK)	155.11	
26 05 19 16-0750	EA	30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2623BK)	147.91	
26 05 19 16-0751	EA	30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2713BK)	183.62	
26 05 19 16-0752	EA	30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2753)	193.08	
26 05 19 16-0753	EA	30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2813BK)	182.77	
26 05 19 16-0754 Watertight Pin And Sleeve Plug (26 05 19 16-0729)				
26 05 19 16-0755	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P4W)	206.97	32.00
26 05 19 16-0756	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P6W)	209.05	32.00
26 05 19 16-0757	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P7W)	225.15	32.00
26 05 19 16-0758	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P12W)	226.70	35.20
26 05 19 16-0759	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P9W)	223.57	35.20
26 05 19 16-0760	EA	20 Amperes, Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P7W)	224.50	35.20
26 05 19 16-0761	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P4W)	312.18	39.36
26 05 19 16-0762	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P6W)	304.40	39.36
26 05 19 16-0763	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P7W)	337.81	39.36
26 05 19 16-0764	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P12W)	333.59	43.20
26 05 19 16-0765	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P9W)	320.09	43.20
26 05 19 16-0766	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P7W)	329.38	43.20
26 05 19 16-0767	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P4W)	423.31	51.20
26 05 19 16-0768	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P6W)	430.72	51.20
26 05 19 16-0769	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P7W)	413.16	51.20
26 05 19 16-0770	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P12W)	470.01	56.95
26 05 19 16-0771	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P9W)	458.49	56.95
26 05 19 16-0772	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P7W)	463.47	56.95
26 05 19 16-0773	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P6W)	578.57	64.00
26 05 19 16-0774	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P7W)	607.18	64.00
26 05 19 16-0775	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P12W)	594.97	70.40
26 05 19 16-0776	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P9W)	585.20	70.40
26 05 19 16-0777	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P7W)	590.48	70.40
26 05 19 16-0778 Watertight Pin And Sleeve Connector (26 05 19 16-0729)				
26 05 19 16-0779	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C4W)	218.90	32.00
26 05 19 16-0780	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C6W)	220.34	32.00
26 05 19 16-0781	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C7W)	257.42	32.00
26 05 19 16-0782	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C12W)	256.74	35.20
26 05 19 16-0783	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C9W)	252.98	35.20
26 05 19 16-0784	EA	20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C7W)	256.38	35.20
26 05 19 16-0785	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C4W)	319.31	39.36
26 05 19 16-0786	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C6W)	319.23	39.36
26 05 19 16-0787	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C7W)	332.02	39.36
26 05 19 16-0788	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C12W)	330.12	43.20
26 05 19 16-0789	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C9W)	332.76	43.20
26 05 19 16-0790	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C7W)	329.98	43.20
26 05 19 16-0791	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C4W)	496.40	51.20
26 05 19 16-0792	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C6W)	480.74	51.20
26 05 19 16-0793	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C7W)	471.40	51.20
26 05 19 16-0794	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C12W)	513.51	56.95
26 05 19 16-0795	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C9W)	527.13	56.95
26 05 19 16-0796	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C7W)	528.13	56.95
26 05 19 16-0797	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C6W)	658.74	64.00
26 05 19 16-0798	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C7W)	676.70	64.00
26 05 19 16-0799	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C12W)	731.70	70.40
26 05 19 16-0800	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C9W)	707.02	70.40
26 05 19 16-0801	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C7W)	715.44	70.40
26 05 19 16-0802 Accessories (26 05 19 16-0718)				
26 05 19 16-0803	EA	1/2" Straight Steel Cord Connector	45.70	10.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.40	
26 05 19 16-0804	EA	1/2" Straight Nylon Cord Connector	28.19	8.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.80	
26 05 19 16-0805	EA	1/2" 90 Degree Steel Cord Connector	52.86	13.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.00	
26 05 19 16-0806	EA	1/2" 90 Degree Nylon Cord Connector	34.43	10.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.40	
26 05 19 16-0807	EA	1/2" Straight Steel Cord Connector With Strain Relief Mesh	52.26	13.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.00	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0808	EA	1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.00 9.60	16.00
26 05 19 16-0809	EA	1/2" Straight Nylon Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.96 6.40	10.67
26 05 19 16-0810	EA	1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.08 8.00	13.33
26 05 19 16-0811	EA	3/4" Straight Steel Cord Connector <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.42 6.40	10.67
26 05 19 16-0812	EA	3/4" Straight Nylon Cord Connector <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.04 4.80	8.00
26 05 19 16-0813	EA	3/4" 90 Degree Steel Cord Connector..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.22 8.00	13.33
26 05 19 16-0814	EA	3/4" 90 Degree Nylon Cord Connector..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.11 6.40	10.67
26 05 19 16-0815	EA	3/4" Straight Steel Cord Connector With Strain Relief Mesh..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.39 9.60	16.00
26 05 19 16-0816	EA	3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.46 11.20	18.67
26 05 19 16-0817	EA	3/4" Straight Nylon Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.10 8.00	13.33
26 05 19 16-0818	EA	3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.59 9.60	16.00
26 05 19 16-0819	EA	1" Straight Steel Cord Connector <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.42 6.40	10.67
26 05 19 16-0820	EA	1" Straight Nylon Cord Connector <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.55 4.80	8.00
26 05 19 16-0821	EA	1" 90 Degree Steel Cord Connector..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.49 8.00	13.33
26 05 19 16-0822	EA	1" 90 Degree Nylon Cord Connector..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.74 6.40	10.67
26 05 19 16-0823	EA	1" Straight Steel Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.95 9.60	16.00
26 05 19 16-0824	EA	1" 90 Degree Steel Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.09 11.20	18.67
26 05 19 16-0825	EA	1" Straight Nylon Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.97 8.00	13.33
26 05 19 16-0826	EA	1" 90 Degree Nylon Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.55 9.60	16.00

26 05 23 Control-Voltage Electrical Power Cables (26 05)

26 05 23 00-0001 Cable For HVAC System Controls (26 05 23)

26 05 23 00-0002 Low Voltage Thermostat Cable To 300 Volt (26 05 23 00-0001)

Note: For surface or conduit installation.

26 05 23 00-0003	MLF	#20/2 Conductor, Low Volt Thermostat Cable	436.39	124.24
26 05 23 00-0004	MLF	#20/3 Conductor, Low Volt Thermostat Cable	501.63	130.86
26 05 23 00-0005	MLF	#20/4 Conductor, Low Volt Thermostat Cable	544.78	138.36
26 05 23 00-0006	MLF	#20/5 Conductor, Low Volt Thermostat Cable	660.00	144.21
26 05 23 00-0007	MLF	#20/6 Conductor, Low Volt Thermostat Cable	692.61	151.03
26 05 23 00-0008	MLF	#20/7 Conductor, Low Volt Thermostat Cable	764.33	157.31
26 05 23 00-0009	MLF	#20/8 Conductor, Low Volt Thermostat Cable	826.28	163.60
26 05 23 00-0010	MLF	#20/9 Conductor, Low Volt Thermostat Cable	899.45	170.13
26 05 23 00-0011	MLF	#20/10 Conductor, Low Volt Thermostat Cable	970.13	175.24
26 05 23 00-0012	MLF	#18/2 Conductor, Low Volt Thermostat Cable	477.30	124.24
26 05 23 00-0013	MLF	#18/3 Conductor, Low Volt Thermostat Cable	574.61	130.86
26 05 23 00-0014	MLF	#18/4 Conductor, Low Volt Thermostat Cable	660.57	138.36
26 05 23 00-0015	MLF	#18/5 Conductor, Low Volt Thermostat Cable	707.80	144.21
26 05 23 00-0016	MLF	#18/6 Conductor, Low Volt Thermostat Cable	788.63	151.03
26 05 23 00-0017	MLF	#18/7 Conductor, Low Volt Thermostat Cable	808.42	157.31
26 05 23 00-0018	MLF	#18/8 Conductor, Low Volt Thermostat Cable	893.55	163.60
26 05 23 00-0019	MLF	#18/9 Conductor, Low Volt Thermostat Cable	1,060.88	170.13
26 05 23 00-0020	MLF	#18/10 Conductor, Low Volt Thermostat Cable	1,169.24	175.24

26 05 26 Grounding and Bonding for Electrical Systems (26 05)

26 05 26 00-0001 Conductors, Straps And Conduit Jumpers (26 05 26)

26 05 26 00-0002 Single Conductor (26 05 26 00-0001)

26 05 26 00-0003 Copper Bare Stranded Conductors (26 05 26 00-0002)

26 05 26 00-0004	MLF	12 AWG Copper Bare Single Stranded Conductor	563.29	202.87
26 05 26 00-0005	MLF	10 AWG Copper Bare Single Stranded Conductor	752.61	202.87
26 05 26 00-0006	MLF	8 AWG Copper Bare Single Stranded Conductor	942.75	244.38
26 05 26 00-0007	MLF	6 AWG Copper Bare Single Stranded Conductor	1,313.22	244.38
26 05 26 00-0008	MLF	4 AWG Copper Bare Single Stranded Conductor	1,777.68	295.09
26 05 26 00-0009	MLF	2 AWG Copper Bare Single Stranded Conductor	2,821.92	295.09
26 05 26 00-0010	MLF	1 AWG Copper Bare Single Stranded Conductor	3,272.80	355.04
26 05 26 00-0011	MLF	1/0 AWG Copper Bare Single Stranded Conductor	3,841.35	355.04
26 05 26 00-0012	MLF	2/0 AWG Copper Bare Single Stranded Conductor	5,406.68	447.25
26 05 26 00-0013	MLF	3/0 AWG Copper Bare Single Stranded Conductor	6,677.48	447.25

26 Electrical**26 05 Common Work Results for Electrical****26 05 26 Grounding and Bonding for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0014 MLF 4/0 AWG Copper Bare Single Stranded Conductor	7,068.98	594.81
26 05 26 00-0015 MLF 250 MCM Copper Bare Single Stranded Conductor	9,103.42	594.81
26 05 26 00-0016 MLF 300 MCM Copper Bare Single Stranded Conductor	9,122.54	687.02
26 05 26 00-0017 MLF 350 MCM Copper Bare Single Stranded Conductor	12,334.89	687.02
26 05 26 00-0018 MLF 500 MCM Copper Bare Single Stranded Conductor	16,864.41	848.40
26 05 26 00-0019 Copper Insulated Single Stranded Conductors (26 05 26 00-0002)		
26 05 26 00-0020 MLF 12 AWG Copper Insulated Single Stranded Conductor	1,085.83	276.65
26 05 26 00-0021 MLF 10 AWG Copper Insulated Single Stranded Conductor	1,147.54	276.65
26 05 26 00-0022 MLF 8 AWG Copper Insulated Single Stranded Conductor	1,479.93	276.65
26 05 26 00-0023 MLF 6 AWG Copper Insulated Single Stranded Conductor	1,671.06	479.53
26 05 26 00-0024 MLF 4 AWG Copper Insulated Single Stranded Conductor	2,277.38	479.53
26 05 26 00-0025 MLF 2 AWG Copper Insulated Single Stranded Conductor	3,240.14	479.53
26 05 26 00-0026 MLF 1 AWG Copper Insulated Single Stranded Conductor	3,929.25	839.18
26 05 26 00-0027 MLF 1/0 AWG Copper Insulated Single Stranded Conductor	4,806.83	839.18
26 05 26 00-0028 MLF 2/0 AWG Copper Insulated Single Stranded Conductor	5,654.07	839.18
26 05 26 00-0029 MLF 3/0 AWG Copper Insulated Single Stranded Conductor	6,759.01	839.18
26 05 26 00-0030 MLF 4/0 AWG Copper Insulated Single Stranded Conductor	7,992.62	1,097.38
26 05 26 00-0031 MLF 250 MCM Copper Insulated Single Stranded Conductor	9,695.46	1,097.38
26 05 26 00-0032 MLF 300 MCM Copper Insulated Single Stranded Conductor	11,315.09	1,097.38
26 05 26 00-0033 MLF 350 MCM Copper Insulated Single Stranded Conductor	13,196.58	1,706.02
26 05 26 00-0034 MLF 500 MCM Copper Insulated Single Stranded Conductor	17,292.48	1,706.02
26 05 26 00-0035 Copper Bare Single Solid Conductors (26 05 26 00-0002)		
26 05 26 00-0036 MLF 12 AWG Copper Bare Single Solid Conductor	563.29	202.87
26 05 26 00-0037 MLF 10 AWG Copper Bare Single Solid Conductor	752.61	202.87
26 05 26 00-0038 MLF 8 AWG Copper Bare Single Solid Conductor	942.75	244.38
26 05 26 00-0039 MLF 6 AWG Copper Bare Single Solid Conductor	1,313.22	244.38
26 05 26 00-0040 MLF 4 AWG Copper Bare Single Solid Conductor	1,777.68	295.09
26 05 26 00-0041 MLF 2 AWG Copper Bare Single Solid Conductor	2,821.92	295.09
26 05 26 00-0042 MLF 1/0 AWG Copper Bare Single Solid Conductor	3,841.35	355.04
26 05 26 00-0043 MLF 4/0 AWG Copper Bare Single Solid Conductor	7,068.98	470.30
26 05 26 00-0044 Aluminum Bare Single Stranded Conductors (26 05 26 00-0002)		
26 05 26 00-0045 MLF 8 AWG Aluminum Bare Single Stranded Conductor	573.51	244.38
26 05 26 00-0046 MLF 6 AWG Aluminum Bare Single Stranded Conductor	624.82	244.38
26 05 26 00-0047 MLF 4 AWG Aluminum Bare Single Stranded Conductor	703.94	295.09
26 05 26 00-0048 MLF 2 AWG Aluminum Bare Single Stranded Conductor	863.36	295.09
26 05 26 00-0049 MLF 1 AWG Aluminum Bare Single Stranded Conductor	978.51	355.04
26 05 26 00-0050 MLF 1/0 AWG Aluminum Bare Single Stranded Conductor	1,120.49	355.04
26 05 26 00-0051 MLF 2/0 AWG Aluminum Bare Single Stranded Conductor	1,275.03	447.25
26 05 26 00-0052 MLF 3/0 AWG Aluminum Bare Single Stranded Conductor	1,456.79	447.25
26 05 26 00-0053 MLF 4/0 AWG Aluminum Bare Single Stranded Conductor	1,737.89	594.81
26 05 26 00-0054 MLF 250 MCM Aluminum Bare Single Stranded Conductor	1,934.85	594.81
26 05 26 00-0055 MLF 300 MCM Aluminum Bare Single Stranded Conductor	2,261.27	687.02
26 05 26 00-0056 MLF 350 MCM Aluminum Bare Single Stranded Conductor	2,542.56	687.02
26 05 26 00-0057 MLF 500 MCM Aluminum Bare Single Stranded Conductor	3,001.67	848.40
26 05 26 00-0058 Aluminum Bare Single Solid Conductors (26 05 26 00-0002)		
26 05 26 00-0059 MLF 8 AWG Aluminum Bare Single Solid Conductor	573.51	244.38
26 05 26 00-0060 MLF 6 AWG Aluminum Bare Single Solid Conductor	624.82	244.38
26 05 26 00-0061 MLF 4 AWG Aluminum Bare Single Solid Conductor	703.94	295.09
26 05 26 00-0062 MLF 2 AWG Aluminum Bare Single Solid Conductor	863.36	295.09
26 05 26 00-0063 MLF 1 AWG Aluminum Bare Single Solid Conductor	941.28	470.30
26 05 26 00-0064 MLF 1/0 AWG Aluminum Bare Single Solid Conductor	1,120.49	470.30
26 05 26 00-0065 MLF 2/0 AWG Aluminum Bare Single Solid Conductor	1,182.83	447.25
26 05 26 00-0066 MLF 3/0 AWG Aluminum Bare Single Solid Conductor	1,271.15	447.25
26 05 26 00-0067 MLF 4/0 AWG Aluminum Bare Single Solid Conductor	1,737.89	594.81
26 05 26 00-0068 MLF 250 MCM Aluminum Bare Single Solid Conductor	1,934.85	594.81
26 05 26 00-0069 MLF 300 MCM Aluminum Bare Single Solid Conductor	2,261.27	687.02
26 05 26 00-0070 MLF 350 MCM Aluminum Bare Single Solid Conductor	2,542.56	687.02
26 05 26 00-0071 MLF 500 MCM Aluminum Bare Single Solid Conductor	3,001.67	848.40
26 05 26 00-0072 Aluminum Smooth Woven Conductors (26 05 26 00-0002)		
26 05 26 00-0073 LF 10 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.36	0.73
26 05 26 00-0074 LF 16 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.61	0.81
26 05 26 00-0075 LF 24 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.09	0.93
26 05 26 00-0076 LF 26 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.11	0.95
26 05 26 00-0077 LF 28 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.26	0.99
26 05 26 00-0078 Copper Flexible Braid Connector Jumper Strap (26 05 26 00-0001)		

Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0079 EA 100 Amperes, Copper Flexible Braid Jumper Strap, 12" Length..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.16 16.00	26.67
26 05 26 00-0080 EA 225 Amperes, Copper Flexible Braid Jumper Strap, 12" Length..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	199.64 19.20	32.00
26 05 26 00-0081 EA 225 Amperes, Copper Flexible Braid Jumper Strap, 18" Length..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	253.94 19.20	32.00
26 05 26 00-0082 EA 225 Amperes, Copper Flexible Braid Jumper Strap, 24" Length..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	307.51 19.20	32.00
26 05 26 00-0083 EA 400 Amperes, Copper Flexible Braid Jumper Strap, 12" Length..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	268.22 24.00	34.67
26 05 26 00-0084 EA 400 Amperes, Copper Flexible Braid Jumper Strap, 18" Length..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	346.34 24.00	34.67
26 05 26 00-0085 EA 400 Amperes, Copper Flexible Braid Jumper Strap, 24" Length..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	414.22 24.00	34.67
26 05 26 00-0086 EA 600 Amperes, Copper Flexible Braid Jumper Strap, 12" Length..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	347.67 26.40	44.00
26 05 26 00-0087 EA 800 Amperes, Copper Flexible Braid Jumper Strap, 12" Length..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	418.17 32.00	53.33
26 05 26 00-0088 Bonding Jumper For Metallic Conduit (26 05 26 00-0001)		
26 05 26 00-0089 EA 1/2" To 1" Conductor, Bonding Jumper, Metallic Conduit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	159.82 33.33	58.67
26 05 26 00-0090 EA 1-1/4" To 2" Conductor, Bonding Jumper, Metallic Conduit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	196.88 41.02	58.67
26 05 26 00-0091 EA 2-1/2" To 4" Conductor, Bonding Jumper, Metallic Conduit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	285.12 48.48	90.66
26 05 26 00-0092 EA 5" To 6" Conductor, Bonding Jumper, Metallic Conduit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	417.91 59.26	90.66
26 05 26 00-0093 Ground Rods (26 05 26)		
26 05 26 00-0094 Copper-Clad Ground Rods (26 05 26 00-0093)		
26 05 26 00-0095 EA 1/2" Diameter x 8' Long Copper-Clad Ground Rods.....	93.61	79.99
26 05 26 00-0096 EA 5/8" Diameter x 8' Long Copper-Clad Ground Rods.....	97.94	79.99
26 05 26 00-0097 EA 3/4" Diameter x 8' Long Copper-Clad Ground Rods.....	115.45	79.99
26 05 26 00-0098 EA 1/2" Diameter x 10' Long Copper-Clad Ground Rods.....	110.35	79.99
26 05 26 00-0099 EA 5/8" Diameter x 10' Long Copper-Clad Ground Rods.....	115.77	79.99
26 05 26 00-0100 EA 3/4" Diameter x 10' Long Copper-Clad Ground Rods.....	137.65	79.99
26 05 26 00-0101 Ground Access Wells (26 05 26 00-0093)		
26 05 26 00-0102 Precast Ground Access Wells (26 05 26 00-0101)		
26 05 26 00-0103 EA 8" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	202.89	
26 05 26 00-0104 EA 10" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	211.58	
26 05 26 00-0105 EA 12" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	575.81	
26 05 26 00-0106 EA 18" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	584.50	
26 05 26 00-0107 Polyvinyl Chloride (PVC) Ground Access Well (26 05 26 00-0101)		
26 05 26 00-0108 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with cast iron grated cover.	427.05	
26 05 26 00-0109 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with cast iron grated cover.	501.67	
26 05 26 00-0110 EA 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with cast iron grated cover.	930.42	
26 05 26 00-0111 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with flat steel cover.	408.25	
26 05 26 00-0112 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with flat steel cover.	478.61	
26 05 26 00-0113 EA 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with flat steel cover.	892.35	
26 05 26 00-0114 EA 8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	229.28	
26 05 26 00-0115 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	245.24	
26 05 26 00-0116 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	259.06	
26 05 26 00-0117 EA 8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover.....	176.70	
26 05 26 00-0118 EA 10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover.....	260.39	
26 05 26 00-0119 EA 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with flat steel cover.	458.31	
26 05 26 00-0120 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with flat steel cover.	608.37	
26 05 26 00-0121 EA 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with plastic cover.	369.27	

26 Electrical**26 05 Common Work Results for Electrical****26 05 26 Grounding and Bonding for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0122	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	535.59	
26 05 26 00-0123	EA	10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	566.31	
26 05 26 00-0124	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	689.81	
26 05 26 00-0125	EA	12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	306.02	
26 05 26 00-0126	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	533.47	
26 05 26 00-0127	EA	12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	574.23	
26 05 26 00-0128		Polymer Concrete Ground Access Well (26 05 26 00-0101)		
26 05 26 00-0129	EA	12" x 12" x 12" Polymer Concrete Ground Access Well	366.01	
26 05 26 00-0130	EA	12" x 12" x 12" Heavy Duty Polymer Concrete Ground Access Well	400.34	
26 05 26 00-0131	EA	12" x 12" x 18" Polymer Concrete Ground Access Well	402.51	
26 05 26 00-0132	EA	12" x 12" x 18" Heavy Duty Polymer Concrete Ground Access Well	440.23	
26 05 26 00-0133	EA	12" x 12" x 24" Polymer Concrete Ground Access Well	440.38	
26 05 26 00-0134	EA	12" x 12" x 24" Heavy Duty Polymer Concrete Ground Access Well	481.82	
26 05 26 00-0135	EA	13" x 24" x 18" Polymer Concrete Ground Access Well	583.14	
26 05 26 00-0136	EA	13" x 24" x 18" Heavy Duty Polymer Concrete Ground Access Well	639.48	
26 05 26 00-0137		High Density Polyethylene (HDPE) Ground Access Well (26 05 26 00-0101)		
26 05 26 00-0138	EA	9" Diameter x 10" Deep High Density Polyethylene (HDPE) Ground Access Well Note: With cover.	139.94	
26 05 26 00-0139	EA	14" Diameter x 18" Deep High Density Polyethylene (HDPE) Ground Access Well Note: With cover.	193.34	
26 05 26 00-0140		Copper Grounding Shaft (26 05 26 00-0093)		
26 05 26 00-0141	EA	2-1/8" Diameter x 10' Long Copper Grounding Shaft	259.11	79.99
26 05 26 00-0142	EA	2-1/8" Diameter "L" Shaped; 3' Riser x 10' Horizontal Copper Grounding Shaft	319.78	79.99
26 05 26 00-0143	EA	2-1/8" Diameter "L" Shaped; 3' Riser x 20' Horizontal Copper Grounding Shaft	482.90	79.99
26 05 26 00-0144		Ground Rod Clamps And Fittings (26 05 26)		
26 05 26 00-0145		Bronze Ground Rod Clamp (26 05 26 00-0144)		
26 05 26 00-0146	EA	1/2" Bronze Ground Rod Clamp	22.14	12.05
26 05 26 00-0147	EA	5/8" Bronze Ground Rod Clamp	23.24	12.05
26 05 26 00-0148	EA	3/4" Bronze Ground Rod Clamp	24.79	12.05
26 05 26 00-0149		Bronze Pipe Clamps (26 05 26 00-0144)		
26 05 26 00-0150	EA	1/2" To 1" Bronze Pipe Ground Clamps	28.89	20.05
26 05 26 00-0151	EA	1-1/4" To 2" Bronze Ground Clamps For Pipe	36.92	24.00
26 05 26 00-0152	EA	2-1/2" To 3" Bronze Ground Clamps For Pipe	55.78	28.05
26 05 26 00-0153	EA	2-1/2" To 4" Bronze Ground Clamps For Pipe	68.03	36.05
26 05 26 00-0154	EA	4" To 6" Bronze Ground Clamps For Pipe	104.49	52.05
26 05 26 00-0155		Grounding Fittings (26 05 26 00-0144)		
26 05 26 00-0156		Embedded Fittings (26 05 26 00-0155)		
26 05 26 00-0157	EA	Ground Insert With Two 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded	149.19	
26 05 26 00-0158	EA	Ground Insert With Four 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded	159.09	
26 05 26 00-0159	EA	Ground Insert With Four 3/8 x 16 Holes 250 To 500 MCM Cable Range, Embedded	176.67	
26 05 26 00-0160	EA	#8 To 1 AWG, Copper To Aluminum, Grounding Wire Splice	141.93	
26 05 26 00-0161	EA	1/0 To 3/0 AWG, Copper To Aluminum, Grounding Wire Splice	170.04	
26 05 26 00-0162	EA	4/0 To 300 MCM, Copper To Aluminum, Grounding Wire Splice	199.57	
26 05 26 00-0163	EA	350 To 500 MCM, Copper To Aluminum, Grounding Wire Splice	225.21	
26 05 26 00-0164		Ground Rod Receptacle (26 05 26 00-0155)		
26 05 26 00-0165	EA	1/2" Ground Rod Receptacle	322.79	110.93
26 05 26 00-0166	EA	5/8" Ground Rod Receptacle	337.82	114.06
26 05 26 00-0167	EA	3/4" Ground Rod Receptacle	353.19	117.15
26 05 26 00-0168		Ground Kits For Circuit Breaker Panels (26 05 26 00-0155)		
26 05 26 00-0169	EA	14-8 AWG Copper Ground Kit	71.99	26.67
26 05 26 00-0170	EA	12-8 AWG Aluminum Ground Kit	68.41	26.67
26 05 26 00-0171	EA	14-4 AWG Copper Ground Kit	80.32	26.67
26 05 26 00-0172	EA	12-4 AWG Aluminum Ground Kit	78.96	26.67
26 05 26 00-0173		Insulated Grounding Bars (26 05 26 00-0144)		



		Electrical	26
		Common Work Results for Electrical	26 05
		Grounding and Bonding for Electrical Systems	26 05 26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0174	EA	1/2" x 4" x 10" Insulated Ground Bar..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	306.54 48.00	26.77
26 05 26 00-0175	EA	Insulated Ground Bar SK 9560 1/2" x 4" x 20"..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	322.63 48.00	26.77
26 05 26 00-0176		Ground Conductor Bonding (26 05 26)		
26 05 26 00-0177		Ground Conductor Bonding (26 05 26 00-0176)		
26 05 26 00-0178		Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld (26 05 26 00-0177)		
26 05 26 00-0179	EA	Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel..... Note: Includes molds, materials and all necessary tools to make connections.	119.32	
26 05 26 00-0180	EA	#4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel..... Note: Includes molds, materials and all necessary tools to make connections.	129.98	
26 05 26 00-0181	EA	1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel..... Note: Includes molds, materials and all necessary tools to make connections.	140.65	
26 05 26 00-0182	EA	250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel..... Note: Includes molds, materials and all necessary tools to make connections.	204.65	
26 05 26 00-0183		Tee, Wye Or Cross Cadweld (26 05 26 00-0177)		
26 05 26 00-0184	EA	Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross..... Note: Includes molds, materials and all necessary tools to make connections.	135.32	
26 05 26 00-0185	EA	#4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross..... Note: Includes molds, materials and all necessary tools to make connections.	156.65	
26 05 26 00-0186	EA	1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross..... Note: Includes molds, materials and all necessary tools to make connections.	193.99	
26 05 26 00-0187	EA	250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross..... Note: Includes molds, materials and all necessary tools to make connections.	236.64	
26 05 26 00-0188		Grounding Equipment (26 05 26)		
26 05 26 00-0189		Special Grounding Equipment (26 05 26 00-0188)		
26 05 26 00-0190		Ground Reels And Ground Bus (26 05 26 00-0189)		
26 05 26 00-0191	EA	Ground Reel With 50' Of Galvanized Steel Cable.....	734.31	
26 05 26 00-0192		Copper Bars (26 05 26 00-0189)		
26 05 26 00-0193	LF	1/4" x 2" Copper Bar.....	42.14	
26 05 26 00-0194		Phenolic Insulators (26 05 26 00-0189)		
26 05 26 00-0195	EA	2" x 2" x 1" Long Phenolic Insulators..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.80 6.40	
26 05 26 00-0196		Grounding Studs (26 05 26 00-0189)		
26 05 26 00-0197	EA	Ball Grounding Stud..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.60 9.55	
26 05 26 00-0198		Equipment Ground Bar Kits (26 05 26 00-0189)		
26 05 26 00-0199	EA	Switch Rating 30 Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.53 6.40	
26 05 26 00-0200	EA	Switch Rating 60 Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.90 7.04	
26 05 26 00-0201	EA	Switch Rating 100 Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.89 8.00	
26 05 26 00-0202	EA	Switch Rating 200 Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.10 9.60	
26 05 26 00-0203		Panelboard Ground Bar Kits (26 05 26 00-0189)		
26 05 26 00-0204	EA	Panelboard Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.59 8.00	8.00
26 05 26 00-0205		Circuit Breaker Ground Bar Kits (26 05 26 00-0189)		
26 05 26 00-0206	EA	3 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.20 4.80	4.80
26 05 26 00-0207	EA	4 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.68 4.80	4.80
26 05 26 00-0208	EA	7 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.54 4.80	4.80
26 05 26 00-0209	EA	12 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.23 5.44	5.44
26 05 26 00-0210	EA	20 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.59 6.08	6.08

26 Electrical**26 05 Common Work Results for Electrical****26 05 26 Grounding and Bonding for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0211 EA 24 Circuit, Ground Bar Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.28 6.72	6.72
26 05 26 00-0212 EA 30 Circuit, Ground Bar Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.85 7.68	7.68
26 05 26 00-0213 EA 54 Circuit, Ground Bar Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.72 8.96	8.96
26 05 26 00-0214 EA 24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.68 6.72	6.72
26 05 26 00-0215 EA 30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.63 7.68	7.68
26 05 26 00-0216 EA 54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.67 8.96	8.96

26 05 29 Hangers and Supports for Electrical Systems (26 05)**26 05 29 00-0001 Metal Framing Channel And Fittings (26 05 29)****26 05 29 00-0002 Metal Framing Channel (26 05 29 00-0001)**

Note: Excludes fasteners and accessories.

26 05 29 00-0003 14 Gauge Metal Framing Channels (26 05 29 00-0002)**26 05 29 00-0004 14 Gauge, Steel Unistrut Channel (26 05 29 00-0003)**

26 05 29 00-0005 EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	18.66	5.85
26 05 29 00-0006 EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	20.76	5.85
26 05 29 00-0007 LF >2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	9.41	2.20

26 05 29 00-0008 14 Gauge, 304 Stainless Steel Unistrut Channel (26 05 29 00-0003)

26 05 29 00-0009 EA Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	34.18	5.85
26 05 29 00-0010 EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	37.95	5.85
26 05 29 00-0011 EA >1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	51.79	5.85
26 05 29 00-0012 EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	59.33	5.85
26 05 29 00-0013 LF >2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	24.93	2.21
26 05 29 00-0014 LF >2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	28.70	2.21

26 05 29 00-0015 14 Gauge, 316 Stainless Steel Unistrut Channel (26 05 29 00-0003)

26 05 29 00-0016 EA Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	50.45	5.85
26 05 29 00-0017 EA >1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	84.35	5.85
26 05 29 00-0018 LF >2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	41.20	2.21

26 05 29 00-0019 12 Gauge Metal Framing Channels (26 05 29 00-0002)**26 05 29 00-0020 12 Gauge, Steel Unistrut Channel (26 05 29 00-0019)**

26 05 29 00-0021 EA Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	19.88	5.85
26 05 29 00-0022 EA Up To 1' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	19.47	5.85
26 05 29 00-0023 EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	19.20	5.85
26 05 29 00-0024 EA >1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	23.21	5.85
26 05 29 00-0025 EA >1' To 2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	22.38	5.85
26 05 29 00-0026 EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	21.84	5.85
26 05 29 00-0027 LF >2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	10.63	2.20
26 05 29 00-0028 LF >2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	10.22	2.20
26 05 29 00-0029 LF >2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	9.95	2.20

26 05 29 00-0030 12 Gauge, 304 Stainless Steel Unistrut Channel (26 05 29 00-0019)

26 05 29 00-0031 EA Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	39.20	5.85
26 05 29 00-0032 EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	45.70	5.85
26 05 29 00-0033 EA >1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	61.83	5.85
26 05 29 00-0034 EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	74.84	5.85
26 05 29 00-0035 LF >2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	29.95	2.20
26 05 29 00-0036 LF >2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	36.45	2.20

26 05 29 00-0037 Metal Framing Channel Fittings (26 05 29 00-0001)**26 05 29 00-0038 Unistrut Channel Closure Strips And Caps (26 05 29 00-0037)****26 05 29 00-0039 Steel Unistrut Channel Closure Strips And Caps (26 05 29 00-0038)**

26 05 29 00-0040 LF Steel Raceway Closure Strip, Unistrut Channel Fittings	5.24	0.53
26 05 29 00-0041 EA Steel End Cap, Unistrut Channel Fittings	12.34	5.34

26 05 29 00-0042 Stainless Steel Unistrut Channel Closure Strips And Caps (26 05 29 00-0038)

26 05 29 00-0043 EA Stainless Steel End Cap For Unistrut Channel	20.42	5.34
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26 05 29 00-0044 Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0037)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0045 Steel Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0044)		
26 05 29 00-0046 EA 2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	5.34	
26 05 29 00-0047 EA 3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	5.30	
26 05 29 00-0048 EA 4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	6.39	
26 05 29 00-0049 Stainless Steel Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0044)		
26 05 29 00-0050 EA 2-Hole, 3-1/2" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	17.95	
26 05 29 00-0051 EA 3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	26.79	
26 05 29 00-0052 EA 4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	34.28	
26 05 29 00-0053 90 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0054 Steel 90 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0053)		
26 05 29 00-0055 EA 2-Hole, 1-7/8" x 2", 90 Degree Angle, Steel, Unistrut Channel Fitting	5.17	
26 05 29 00-0056 EA 2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Steel, Unistrut Channel Fitting	4.38	
26 05 29 00-0057 EA 3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	7.34	
26 05 29 00-0058 EA 3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	7.24	
26 05 29 00-0059 Stainless Steel 90 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0053)		
26 05 29 00-0060 EA 2-Hole, 1-7/8" x 2", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	10.20	
26 05 29 00-0061 EA 2-Hole, 1-7/8" x 2", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	12.79	
26 05 29 00-0062 EA 2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	10.82	
26 05 29 00-0063 EA 2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	15.45	
26 05 29 00-0064 EA 3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	14.10	
26 05 29 00-0065 EA 3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	26.18	
26 05 29 00-0066 EA 3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	14.84	
26 05 29 00-0067 EA 3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	21.60	
26 05 29 00-0068 60 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0069 Steel 60 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0068)		
26 05 29 00-0070 EA 2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Steel, Unistrut Channel Fitting	10.36	
26 05 29 00-0071 U-Connector, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0072 Steel, U-Connector, Unistrut Channel Fittings (26 05 29 00-0071)		
26 05 29 00-0073 EA 3-Hole, 1-5/8" x 13/16", U-Connector, Steel, Unistrut Channel Fitting	3.87	
26 05 29 00-0074 EA 5-Hole, 1-5/8" x 1-5/8", U-Connector, Steel, Unistrut Channel Fitting	4.28	
26 05 29 00-0075 Stainless Steel, U-Connector, Unistrut Channel Fittings (26 05 29 00-0071)		
26 05 29 00-0076 EA 5-Hole, 1-5/8" x 1-5/8", U-Connector, 304 Stainless Steel, Unistrut Channel Fitting	21.45	
26 05 29 00-0077 Z-Bracket, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0078 Steel Z-Bracket, Unistrut Channel Fittings (26 05 29 00-0077)		
26 05 29 00-0079 EA 3-Hole, Z-Bracket, Steel, Unistrut Channel Fitting	10.62	
26 05 29 00-0080 Stainless Steel Z-Bracket, Unistrut Channel Fittings (26 05 29 00-0077)		
26 05 29 00-0081 EA 3-Hole, Z-Bracket, 304 Stainless Steel, Unistrut Channel Fitting	41.89	
26 05 29 00-0082 Standard Pipe And Rigid Conduit Clamps For Unistrut Channel (26 05 29 00-0037)		
Note: Includes hex screw and nut.		
26 05 29 00-0083 Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel (26 05 29 00-0082)		
Note: Includes hex screw and nut.		
26 05 29 00-0084 EA 1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	4.36	1.61
26 05 29 00-0085 EA 3/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	4.38	1.61
26 05 29 00-0086 EA 1" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	4.47	1.61
26 05 29 00-0087 EA 1-1/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.68	2.14
26 05 29 00-0088 EA 1-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.15	2.14
26 05 29 00-0089 EA 2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.20	2.14
26 05 29 00-0090 EA 2-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.60	2.67
26 05 29 00-0091 EA 3" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.02	2.67
26 05 29 00-0092 EA 3-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.42	2.67
26 05 29 00-0093 EA 4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.57	2.67
26 05 29 00-0094 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel (26 05 29 00-0082)		
Note: Includes hex screw and nut.		

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0095 EA 1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	7.95	1.61
26 05 29 00-0096 EA 3/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	8.93	1.61
26 05 29 00-0097 EA 1" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	9.92	1.61
26 05 29 00-0098 EA 1-1/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	12.30	2.14
26 05 29 00-0099 EA 1-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	15.04	2.14
26 05 29 00-0100 EA 2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	15.76	2.14
26 05 29 00-0101 EA 2-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	18.87	2.67
26 05 29 00-0102 EA 3" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	21.31	2.67
26 05 29 00-0103 EA 3-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	22.36	2.67
26 05 29 00-0104 EA 4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	26.23	2.67
26 05 29 00-0105 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel (26 05 29 00-0082)		
Note: Includes hex screw and nut.		
26 05 29 00-0106 EA 1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	8.55	1.61
26 05 29 00-0107 EA 3/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	9.94	1.61
26 05 29 00-0108 EA 1" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	10.34	1.61
26 05 29 00-0109 EA 1-1/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	12.49	2.14
26 05 29 00-0110 EA 1-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	17.28	2.14
26 05 29 00-0111 EA 2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	17.52	2.14
26 05 29 00-0112 EA 2-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	20.72	2.67
26 05 29 00-0113 EA 3" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	21.96	2.67
26 05 29 00-0114 EA 3-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	30.79	2.67
26 05 29 00-0115 EA 4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	36.19	2.67
26 05 29 00-0116 Beam Clamps, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0117 Steel Beam Clamps, Unistrut Channel Fittings (26 05 29 00-0116)		
26 05 29 00-0118 EA Set Screw Beam Clamp, Steel Unistrut Channel Fitting.....	31.70	9.75
26 05 29 00-0119 EA "C" Beam Clamp Use With 1/2" Rod, Steel Unistrut Channel Fittings.....	22.30	9.75
26 05 29 00-0120 EA "U" Bolt Beam Clamp, Steel Unistrut Channel Fitting.....	30.75	9.75
26 05 29 00-0121 304 Stainless Steel Beam Clamps, Unistrut Channel Fittings (26 05 29 00-0116)		
26 05 29 00-0122 EA "U" Bolt Beam Clamp, 304 Stainless Steel Unistrut Channel Fitting.....	48.70	9.75
26 05 29 00-0123 Square Washers For Unistrut Channel (26 05 29 00-0037)		
26 05 29 00-0124 Steel Square Washers For Unistrut Channel (26 05 29 00-0123)		
26 05 29 00-0125 EA 1/2" Bolt Size, Steel, Square Washer For Unistrut Channel.....	3.81	
26 05 29 00-0126 Stainless Steel Square Washers For Unistrut Channel (26 05 29 00-0123)		
26 05 29 00-0127 EA 1/2" Bolt Size, 304 Stainless Steel, Square Washer For Unistrut Channel.....	5.00	
26 05 29 00-0128 EA 1/2" Bolt Size, 316 Stainless Steel, Square Washer For Unistrut Channel.....	6.34	
26 05 29 00-0129 Strut Braces, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0130 EA 16" Diagonal Steel Bar Brace For Unistrut Channel.....	28.61	
26 05 29 00-0131 Trolley Hangers, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0132 EA Steel Trolley Track Hanger For Unistrut Channel.....	35.66	
26 05 29 00-0133 Lock Nuts With Spring For Unistrut Channel (26 05 29 00-0037)		
Note: Includes hex bolt.		
26 05 29 00-0134 Steel Lock Nuts With Spring For Unistrut Channel (26 05 29 00-0133)		
Note: Includes hex bolt.		
26 05 29 00-0135 EA 1/4-20, Steel Lock Nut With Spring For Unistrut Channel.....	6.96	
26 05 29 00-0136 EA 3/8-16, Steel Lock Nut With Spring For Unistrut Channel.....	7.53	
26 05 29 00-0137 EA 1/2-13, Steel Lock Nut With Spring For Unistrut Channel.....	7.96	
26 05 29 00-0138 EA 5/8-11, Steel Lock Nut With Spring For Unistrut Channel.....	10.28	
26 05 29 00-0139 Stainless Steel Lock Nuts With Spring For Unistrut Channel (26 05 29 00-0133)		
Note: Includes hex bolt.		
26 05 29 00-0140 EA 1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	14.19	
26 05 29 00-0141 EA 3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	15.11	
26 05 29 00-0142 EA 1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	21.42	
26 05 29 00-0143 EA 5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	36.70	
26 05 29 00-0144 Lock Nuts Without Spring For Unistrut Channel (26 05 29 00-0037)		
Note: Includes hex bolt.		



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0145		Steel Lock Nuts Without Spring For Unistrut Channel (26 05 29 00-0144) Note: Includes hex bolt.		
26 05 29 00-0146	EA	1/4-20, Steel Lock Nut Without Spring For Unistrut Channel	6.98	
26 05 29 00-0147	EA	3/8-16, Steel Lock Nut Without Spring For Unistrut Channel	7.61	
26 05 29 00-0148	EA	1/2-13, Steel Lock Nut Without Spring For Unistrut Channel	7.99	
26 05 29 00-0149	EA	5/8-11, Steel Lock Nut Without Spring For Unistrut Channel	10.95	
26 05 29 00-0150		Stainless Steel Lock Nuts Without Spring For Unistrut Channel (26 05 29 00-0144) Note: Includes hex bolt.		
26 05 29 00-0151	EA	1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	10.14	
26 05 29 00-0152	EA	3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	12.25	
26 05 29 00-0153	EA	1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	13.35	
26 05 29 00-0154	EA	5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	35.75	
26 05 29 00-0155		Mounting Assemblies (26 05 29)		
26 05 29 00-0156		Galvanized Steel Mounting Assemblies (26 05 29 00-0155)		
26 05 29 00-0157		Galvanized Steel Back Plate (26 05 29 00-0156)		
26 05 29 00-0158	EA	1/4" x 4' x 4', Galvanized Steel Back Plate, Painted	397.20	64.00
26 05 29 00-0159	EA	3/8" x 14" x 16", Galvanized Steel Back Plate, Painted	99.66	21.33
26 05 29 00-0160	EA	3/16" x 30" x 48", Galvanized Steel Back Plate, Painted	252.10	53.33
26 05 29 00-0161		Aluminum Mounting Assemblies (26 05 29 00-0155)		
26 05 29 00-0162		Aluminum Back Plate (26 05 29 00-0161)		
26 05 29 00-0163	EA	3/16" x 2' x 2' Aluminum Back Plate	310.66	79.99
26 05 29 00-0164	EA	3/16" x 4' x 4' Aluminum Back Plate	824.88	79.99
26 05 29 00-0165		Supports (26 05 29)		
26 05 29 00-0166		One Hole Steel Conduit Straps (26 05 29 00-0165)		
26 05 29 00-0167	EA	1/2", One Hole Steel Conduit Strap	3.77	
		For Work In Restricted Working Space, Add	1.02	
		For Installation On Concrete (Includes Drilling And Fastener), Add	0.95	
		For >50 To 100, Deduct	-0.18	
		For >100 To 250, Deduct	-0.36	
		For >250 To 500, Deduct	-0.71	
		For >500, Deduct	-1.06	
26 05 29 00-0168	EA	3/4", One Hole Steel Conduit Strap	3.81	
		For Work In Restricted Working Space, Add	1.02	
		For Installation On Concrete (Includes Drilling And Fastener), Add	0.95	
		For >50 To 100, Deduct	-0.18	
		For >100 To 250, Deduct	-0.36	
		For >250 To 500, Deduct	-0.71	
		For >500, Deduct	-1.06	
26 05 29 00-0169	EA	1", One Hole Steel Conduit Strap	4.00	
		For Work In Restricted Working Space, Add	1.02	
		For Installation On Concrete (Includes Drilling And Fastener), Add	0.95	
		For >50 To 100, Deduct	-0.19	
		For >100 To 250, Deduct	-0.37	
		For >250 To 500, Deduct	-0.73	
		For >500, Deduct	-1.08	
26 05 29 00-0170	EA	1-1/4", One Hole Steel Conduit Strap	4.14	
		For Work In Restricted Working Space, Add	1.02	
		For Installation On Concrete (Includes Drilling And Fastener), Add	0.95	
		For >50 To 100, Deduct	-0.19	
		For >100 To 250, Deduct	-0.38	
		For >250 To 500, Deduct	-0.74	
		For >500, Deduct	-1.10	
26 05 29 00-0171	EA	1-1/2", One Hole Steel Conduit Strap	4.23	
		For Work In Restricted Working Space, Add	1.02	
		For Installation On Concrete (Includes Drilling And Fastener), Add	0.95	
		For >50 To 100, Deduct	-0.19	
		For >100 To 250, Deduct	-0.38	
		For >250 To 500, Deduct	-0.74	
		For >500, Deduct	-1.11	
26 05 29 00-0172	EA	2", One Hole Steel Conduit Strap	4.81	
		For Work In Restricted Working Space, Add	1.02	
		For Installation On Concrete (Includes Drilling And Fastener), Add	0.95	
		For >50 To 100, Deduct	-0.21	
		For >100 To 250, Deduct	-0.41	
		For >250 To 500, Deduct	-0.79	
		For >500, Deduct	-1.16	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0173 EA 2-1/2", One Hole Steel Conduit Strap.....	5.39	
For Work In Restricted Working Space, Add	1.02	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.95	
For >50 To 100, Deduct	-0.22	
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.83	
For >500, Deduct	-1.22	
26 05 29 00-0174 EA 3", One Hole Steel Conduit Strap.....	5.59	
For Work In Restricted Working Space, Add	1.02	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.95	
For >50 To 100, Deduct	-0.23	
For >100 To 250, Deduct	-0.45	
For >250 To 500, Deduct	-0.85	
For >500, Deduct	-1.24	
26 05 29 00-0175 EA 3-1/2", One Hole Steel Conduit Strap.....	6.55	
For Work In Restricted Working Space, Add	1.02	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.95	
For >50 To 100, Deduct	-0.25	
For >100 To 250, Deduct	-0.50	
For >250 To 500, Deduct	-0.92	
For >500, Deduct	-1.34	
26 05 29 00-0176 EA 4", One Hole Steel Conduit Strap.....	7.32	
For Work In Restricted Working Space, Add	1.02	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.95	
For >50 To 100, Deduct	-0.27	
For >100 To 250, Deduct	-0.54	
For >250 To 500, Deduct	-0.98	
For >500, Deduct	-1.41	
26 05 29 00-0177 One Hole Iron Conduit Straps (26 05 29 00-0165)		
26 05 29 00-0178 EA 1/2", One Hole Iron Conduit Strap.....	3.87	
For Work In Restricted Working Space, Add	1.02	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.95	
For >50 To 100, Deduct	-0.18	
For >100 To 250, Deduct	-0.36	
For >250 To 500, Deduct	-0.72	
For >500, Deduct	-1.07	
26 05 29 00-0179 EA 3/4", One Hole Iron Conduit Strap.....	3.96	
For Work In Restricted Working Space, Add	1.02	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.95	
For >50 To 100, Deduct	-0.18	
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.72	
For >500, Deduct	-1.08	
26 05 29 00-0180 EA 1", One Hole Iron Conduit Strap.....	4.12	
For Work In Restricted Working Space, Add	1.02	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.95	
For >50 To 100, Deduct	-0.19	
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.74	
For >500, Deduct	-1.09	
26 05 29 00-0181 EA 1-1/4", One Hole Iron Conduit Strap.....	4.53	
For Work In Restricted Working Space, Add	1.02	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.95	
For >50 To 100, Deduct	-0.20	
For >100 To 250, Deduct	-0.40	
For >250 To 500, Deduct	-0.77	
For >500, Deduct	-1.14	
26 05 29 00-0182 EA 1-1/2", One Hole Iron Conduit Strap.....	4.69	
For Work In Restricted Working Space, Add	1.02	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.95	
For >50 To 100, Deduct	-0.20	
For >100 To 250, Deduct	-0.41	
For >250 To 500, Deduct	-0.78	
For >500, Deduct	-1.15	
26 05 29 00-0183 EA 2", One Hole Iron Conduit Strap.....	5.70	
For Work In Restricted Working Space, Add	1.02	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.95	
For >50 To 100, Deduct	-0.23	
For >100 To 250, Deduct	-0.46	
For >250 To 500, Deduct	-0.85	
For >500, Deduct	-1.25	
26 05 29 00-0184 EA 2-1/2", One Hole Iron Conduit Strap.....	7.88	
For Work In Restricted Working Space, Add	1.02	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.95	
For >50 To 100, Deduct	-0.28	
For >100 To 250, Deduct	-0.56	
For >250 To 500, Deduct	-1.02	
For >500, Deduct	-1.47	
26 05 29 00-0185 EA 3", One Hole Iron Conduit Strap.....	9.70	
For Work In Restricted Working Space, Add	1.02	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.95	
For >50 To 100, Deduct	-0.33	
For >100 To 250, Deduct	-0.66	
For >250 To 500, Deduct	-1.15	
For >500, Deduct	-1.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0186 EA 3-1/2", One Hole Iron Conduit Strap .....12.36 For Work In Restricted Working Space, Add 1.02 For Installation On Concrete (Includes Drilling And Fastener), Add 0.95 For >50 To 100, Deduct -0.39 For >100 To 250, Deduct -0.79 For >250 To 500, Deduct -1.35 For >500, Deduct -1.92		
26 05 29 00-0187 EA 4", One Hole Iron Conduit Strap.....23.01 For Work In Restricted Working Space, Add 1.02 For Installation On Concrete (Includes Drilling And Fastener), Add 0.95 For >50 To 100, Deduct -0.66 For >100 To 250, Deduct -1.32 For >250 To 500, Deduct -2.15 For >500, Deduct -2.98		
26 05 29 00-0188 EA 5", One Hole Iron Conduit Strap.....28.73 For Work In Restricted Working Space, Add 1.02 For Installation On Concrete (Includes Drilling And Fastener), Add 0.95 For >50 To 100, Deduct -0.80 For >100 To 250, Deduct -1.61 For >250 To 500, Deduct -2.58 For >500, Deduct -3.56		
26 05 29 00-0189 Two Hole Steel Conduit Straps (26 05 29 00-0165)		
26 05 29 00-0190 EA 1/2", Two Hole Steel Conduit Strap.....4.34 For Work In Restricted Working Space, Add 1.15 For Installation On Concrete (Includes Drilling And Fastener), Add 1.16 For >50 To 100, Deduct -0.20 For >100 To 250, Deduct -0.41 For >250 To 500, Deduct -0.81 For >500, Deduct -1.20		
26 05 29 00-0191 EA 3/4", Two Hole Steel Conduit Strap.....4.40 For Work In Restricted Working Space, Add 1.15 For Installation On Concrete (Includes Drilling And Fastener), Add 1.16 For >50 To 100, Deduct -0.21 For >100 To 250, Deduct -0.41 For >250 To 500, Deduct -0.81 For >500, Deduct -1.21		
26 05 29 00-0192 EA 1", Two Hole Steel Conduit Strap.....4.44 For Work In Restricted Working Space, Add 1.15 For Installation On Concrete (Includes Drilling And Fastener), Add 1.16 For >50 To 100, Deduct -0.21 For >100 To 250, Deduct -0.41 For >250 To 500, Deduct -0.81 For >500, Deduct -1.21		
26 05 29 00-0193 EA 1-1/4", Two Hole Steel Conduit Strap .....4.48 For Work In Restricted Working Space, Add 1.15 For Installation On Concrete (Includes Drilling And Fastener), Add 1.16 For >50 To 100, Deduct -0.21 For >100 To 250, Deduct -0.42 For >250 To 500, Deduct -0.82 For >500, Deduct -1.22		
26 05 29 00-0194 EA 1-1/2", Two Hole Steel Conduit Strap .....4.51 For Work In Restricted Working Space, Add 1.15 For Installation On Concrete (Includes Drilling And Fastener), Add 1.16 For >50 To 100, Deduct -0.21 For >100 To 250, Deduct -0.42 For >250 To 500, Deduct -0.82 For >500, Deduct -1.22		
26 05 29 00-0195 EA 2", Two Hole Steel Conduit Strap.....4.59 For Work In Restricted Working Space, Add 1.15 For Installation On Concrete (Includes Drilling And Fastener), Add 1.16 For >50 To 100, Deduct -0.21 For >100 To 250, Deduct -0.42 For >250 To 500, Deduct -0.82 For >500, Deduct -1.23		
26 05 29 00-0196 EA 2-1/2", Two Hole Steel Conduit Strap .....5.03 For Work In Restricted Working Space, Add 1.15 For Installation On Concrete (Includes Drilling And Fastener), Add 1.16 For >50 To 100, Deduct -0.22 For >100 To 250, Deduct -0.44 For >250 To 500, Deduct -0.86 For >500, Deduct -1.27		
26 05 29 00-0197 EA 3", Two Hole Steel Conduit Strap.....5.13 For Work In Restricted Working Space, Add 1.15 For Installation On Concrete (Includes Drilling And Fastener), Add 1.16 For >50 To 100, Deduct -0.22 For >100 To 250, Deduct -0.45 For >250 To 500, Deduct -0.86 For >500, Deduct -1.28		
26 05 29 00-0198 EA 3-1/2", Two Hole Steel Conduit Strap .....5.47 For Work In Restricted Working Space, Add 1.15 For Installation On Concrete (Includes Drilling And Fastener), Add 1.16 For >50 To 100, Deduct -0.23 For >100 To 250, Deduct -0.47 For >250 To 500, Deduct -0.89 For >500, Deduct -1.32		

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0199	EA		4", Two Hole Steel Conduit Strap.....	5.71	
			For Work In Restricted Working Space, Add	1.15	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.16	
			For >50 To 100, Deduct	-0.24	
			For >100 To 250, Deduct	-0.48	
			For >250 To 500, Deduct	-0.91	
			For >500, Deduct	-1.34	
26 05 29 00-0200	EA		5", Two Hole Steel Conduit Strap.....	6.02	
			For Work In Restricted Working Space, Add	1.15	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.16	
			For >50 To 100, Deduct	-0.25	
			For >100 To 250, Deduct	-0.49	
			For >250 To 500, Deduct	-0.93	
			For >500, Deduct	-1.37	
26 05 29 00-0201			Clamp Back Spacers (26 05 29 00-0165)		
26 05 29 00-0202	EA		1/2" Conduit, Clamp Back Spacer.....	3.41	
			For Work In Restricted Working Space, Add	0.80	
			For Installation On Concrete (Includes Drilling And Fastener), Add	0.77	
			For >50 To 100, Deduct	-0.15	
			For >100 To 250, Deduct	-0.30	
			For >250 To 500, Deduct	-0.59	
			For >500, Deduct	-0.88	
26 05 29 00-0203	EA		3/4" Conduit, Clamp Back Spacer.....	3.66	
			For Work In Restricted Working Space, Add	0.80	
			For Installation On Concrete (Includes Drilling And Fastener), Add	0.77	
			For >50 To 100, Deduct	-0.16	
			For >100 To 250, Deduct	-0.32	
			For >250 To 500, Deduct	-0.61	
			For >500, Deduct	-0.90	
26 05 29 00-0204	EA		1" Conduit, Clamp Back Spacer.....	3.90	
			For Work In Restricted Working Space, Add	0.80	
			For Installation On Concrete (Includes Drilling And Fastener), Add	0.77	
			For >50 To 100, Deduct	-0.16	
			For >100 To 250, Deduct	-0.33	
			For >250 To 500, Deduct	-0.63	
			For >500, Deduct	-0.92	
26 05 29 00-0205	EA		1-1/4" Conduit, Clamp Back Spacer.....	4.81	
			For Work In Restricted Working Space, Add	0.80	
			For Installation On Concrete (Includes Drilling And Fastener), Add	0.77	
			For >50 To 100, Deduct	-0.19	
			For >100 To 250, Deduct	-0.37	
			For >250 To 500, Deduct	-0.69	
			For >500, Deduct	-1.02	
26 05 29 00-0206	EA		1-1/2" Conduit, Clamp Back Spacer.....	5.55	
			For Work In Restricted Working Space, Add	0.80	
			For Installation On Concrete (Includes Drilling And Fastener), Add	0.77	
			For >50 To 100, Deduct	-0.21	
			For >100 To 250, Deduct	-0.41	
			For >250 To 500, Deduct	-0.75	
			For >500, Deduct	-1.09	
26 05 29 00-0207	EA		2" Conduit, Clamp Back Spacer.....	6.32	
			For Work In Restricted Working Space, Add	0.80	
			For Installation On Concrete (Includes Drilling And Fastener), Add	0.77	
			For >50 To 100, Deduct	-0.22	
			For >100 To 250, Deduct	-0.45	
			For >250 To 500, Deduct	-0.81	
			For >500, Deduct	-1.17	
26 05 29 00-0208	EA		2-1/2" Conduit, Clamp Back Spacer.....	9.46	
			For Work In Restricted Working Space, Add	0.80	
			For Installation On Concrete (Includes Drilling And Fastener), Add	0.77	
			For >50 To 100, Deduct	-0.30	
			For >100 To 250, Deduct	-0.61	
			For >250 To 500, Deduct	-1.04	
			For >500, Deduct	-1.48	
26 05 29 00-0209	EA		3" Conduit, Clamp Back Spacer.....	13.20	
			For Work In Restricted Working Space, Add	0.80	
			For Installation On Concrete (Includes Drilling And Fastener), Add	0.77	
			For >50 To 100, Deduct	-0.40	
			For >100 To 250, Deduct	-0.79	
			For >250 To 500, Deduct	-1.32	
			For >500, Deduct	-1.85	
26 05 29 00-0210	EA		3-1/2" Conduit, Clamp Back Spacer.....	16.85	
			For Work In Restricted Working Space, Add	0.80	
			For Installation On Concrete (Includes Drilling And Fastener), Add	0.77	
			For >50 To 100, Deduct	-0.49	
			For >100 To 250, Deduct	-0.98	
			For >250 To 500, Deduct	-1.60	
			For >500, Deduct	-2.22	
26 05 29 00-0211	EA		4" Conduit, Clamp Back Spacer.....	33.94	
			For Work In Restricted Working Space, Add	0.80	
			For Installation On Concrete (Includes Drilling And Fastener), Add	0.77	
			For >50 To 100, Deduct	-0.92	
			For >100 To 250, Deduct	-1.83	
			For >250 To 500, Deduct	-2.88	
			For >500, Deduct	-3.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0212 EA 5" Conduit, Clamp Back Spacer.....	62.79	
For Work In Restricted Working Space, Add	0.80	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.77	
For >50 To 100, Deduct	-1.64	
For >100 To 250, Deduct	-3.27	
For >250 To 500, Deduct	-5.04	
For >500, Deduct	-6.81	
26 05 29 00-0213 Conduit Clips (26 05 29 00-0165)		
Note: Push in or clip.		
26 05 29 00-0214 EA 1/2" Conduit Clip.....	4.15	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.95	
For >50 To 100, Deduct	-0.19	
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.74	
For >500, Deduct	-1.10	
26 05 29 00-0215 EA 3/4" Conduit Clip.....	4.15	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.95	
For >50 To 100, Deduct	-0.19	
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.74	
For >500, Deduct	-1.10	
26 05 29 00-0216 EA 1" Conduit Clip.....	4.09	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.95	
For >50 To 100, Deduct	-0.19	
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.73	
For >500, Deduct	-1.09	
26 05 29 00-0217 EA 1-1/4" Conduit Clip.....	4.24	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.95	
For >50 To 100, Deduct	-0.19	
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.74	
For >500, Deduct	-1.11	
26 05 29 00-0218 Bolt And Nut Conduit Clips (26 05 29 00-0165)		
26 05 29 00-0219 EA 3/4" Bolt And Nut Conduit Clip (Minerallac 1B).....	5.17	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.17	
For >50 To 100, Deduct	-0.24	
For >100 To 250, Deduct	-0.47	
For >250 To 500, Deduct	-0.92	
For >500, Deduct	-1.37	
26 05 29 00-0220 EA 1" Bolt And Nut Conduit Clip (Minerallac 2B).....	5.31	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.17	
For >50 To 100, Deduct	-0.24	
For >100 To 250, Deduct	-0.48	
For >250 To 500, Deduct	-0.93	
For >500, Deduct	-1.39	
26 05 29 00-0221 EA 1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B).....	5.65	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.23	
For >50 To 100, Deduct	-0.25	
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-0.99	
For >500, Deduct	-1.47	
26 05 29 00-0222 EA 1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B).....	5.73	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.23	
For >50 To 100, Deduct	-0.26	
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-1.00	
For >500, Deduct	-1.48	
26 05 29 00-0223 EA 2" Bolt And Nut Conduit Clip (Minerallac 5B).....	6.28	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.23	
For >50 To 100, Deduct	-0.27	
For >100 To 250, Deduct	-0.54	
For >250 To 500, Deduct	-1.04	
For >500, Deduct	-1.53	
26 05 29 00-0224 EA 2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B).....	6.79	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.30	
For >50 To 100, Deduct	-0.29	
For >100 To 250, Deduct	-0.58	
For >250 To 500, Deduct	-1.11	
For >500, Deduct	-1.64	
26 05 29 00-0225 EA 3" Bolt And Nut Conduit Clip (Minerallac 7B).....	7.27	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.30	
For >50 To 100, Deduct	-0.30	
For >100 To 250, Deduct	-0.60	
For >250 To 500, Deduct	-1.15	
For >500, Deduct	-1.69	
26 05 29 00-0226 EA 4" Bolt And Nut Conduit Clip (Minerallac 9B).....	12.39	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.43	
For >50 To 100, Deduct	-0.44	
For >100 To 250, Deduct	-0.89	
For >250 To 500, Deduct	-1.60	
For >500, Deduct	-2.31	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0227			Conduit Hanger From Flange, Wire Or Rod (26 05 29 00-0165) Note: Bat wing.		
26 05 29 00-0228	EA		1/2", Conduit Hanger From Flange, Wire Or Rod.....	3.02	
			For Installation On Concrete (Includes Drilling And Fastener), Add	0.74	
			For >50 To 100, Deduct	-0.14	
			For >100 To 250, Deduct	-0.28	
			For >250 To 500, Deduct	-0.55	
			For >500, Deduct	-0.81	
26 05 29 00-0229	EA		3/4", Conduit Hanger From Flange, Wire Or Rod.....	3.06	
			For Installation On Concrete (Includes Drilling And Fastener), Add	0.74	
			For >50 To 100, Deduct	-0.14	
			For >100 To 250, Deduct	-0.28	
			For >250 To 500, Deduct	-0.55	
			For >500, Deduct	-0.82	
26 05 29 00-0230	EA		1", Conduit Hanger From Flange, Wire Or Rod.....	3.17	
			For Installation On Concrete (Includes Drilling And Fastener), Add	0.74	
			For >50 To 100, Deduct	-0.14	
			For >100 To 250, Deduct	-0.29	
			For >250 To 500, Deduct	-0.56	
			For >500, Deduct	-0.83	
26 05 29 00-0231	EA		1-1/4", Conduit Hanger From Flange, Wire Or Rod.....	3.44	
			For Installation On Concrete (Includes Drilling And Fastener), Add	0.74	
			For >50 To 100, Deduct	-0.15	
			For >100 To 250, Deduct	-0.30	
			For >250 To 500, Deduct	-0.58	
			For >500, Deduct	-0.86	
26 05 29 00-0232			Beam Flange Clamps (26 05 29 00-0165) Note: For threaded rod, nut not required.		
26 05 29 00-0233	EA		1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24).....	4.21	
			For >50 To 100, Deduct	-0.17	
			For >100 To 250, Deduct	-0.34	
			For >250 To 500, Deduct	-0.65	
			For >500, Deduct	-0.96	
26 05 29 00-0234	EA		5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58).....	4.14	
			For >50 To 100, Deduct	-0.17	
			For >100 To 250, Deduct	-0.34	
			For >250 To 500, Deduct	-0.64	
			For >500, Deduct	-0.95	
26 05 29 00-0235	EA		9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912).....	4.56	
			For >50 To 100, Deduct	-0.18	
			For >100 To 250, Deduct	-0.36	
			For >250 To 500, Deduct	-0.68	
			For >500, Deduct	-0.99	
26 05 29 00-0236			T-Bar Support Clips (26 05 29 00-0165)		
26 05 29 00-0237	EA		9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95).....	7.19	
			For >50 To 100, Deduct	-0.31	
			For >100 To 250, Deduct	-0.63	
			For >250 To 500, Deduct	-1.21	
			For >500, Deduct	-1.79	
26 05 29 00-0238	EA		15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS).....	6.87	
			For >50 To 100, Deduct	-0.31	
			For >100 To 250, Deduct	-0.61	
			For >250 To 500, Deduct	-1.18	
			For >500, Deduct	-1.75	
26 05 29 00-0239	EA		15/16" Grid Size, Twist On T-Bar Support Clip (Caddy 4G16).....	2.47	
			For >50 To 100, Deduct	-0.10	
			For >100 To 250, Deduct	-0.19	
			For >250 To 500, Deduct	-0.35	
			For >500, Deduct	-0.51	
26 05 29 00-0240	EA		24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512).....	18.58	
			For >50 To 100, Deduct	-0.52	
			For >100 To 250, Deduct	-1.04	
			For >250 To 500, Deduct	-1.66	
			For >500, Deduct	-2.29	
26 05 29 00-0241			Switch And Outlet Box Type Supports (26 05 29 00-0165)		
26 05 29 00-0242	EA		1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS).....	4.95	
			For >50 To 100, Deduct	-0.18	
			For >100 To 250, Deduct	-0.35	
			For >250 To 500, Deduct	-0.64	
			For >500, Deduct	-0.92	
26 05 29 00-0243	EA		1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500).....	4.26	
			For >50 To 100, Deduct	-0.16	
			For >100 To 250, Deduct	-0.32	
			For >250 To 500, Deduct	-0.59	
			For >500, Deduct	-0.85	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0244	EA	Flush, Riveted Switch And Outlet Box Support (Caddy MFO)	4.85	
		For >50 To 100, Deduct	-0.17	
		For >100 To 250, Deduct	-0.35	
		For >250 To 500, Deduct	-0.63	
		For >500, Deduct	-0.91	
26 05 29 00-0245	EA	Snap On, Switch And Outlet Box Support (Caddy MSF).....	3.27	
		For >50 To 100, Deduct	-0.14	
		For >100 To 250, Deduct	-0.27	
		For >250 To 500, Deduct	-0.51	
		For >500, Deduct	-0.76	
26 05 29 00-0246	EA	1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI)	3.40	
		For >50 To 100, Deduct	-0.14	
		For >100 To 250, Deduct	-0.28	
		For >250 To 500, Deduct	-0.52	
		For >500, Deduct	-0.77	
26 05 29 00-0247		Lighting Fixture Hanger (26 05 29 00-0165) Note: For existing or owner furnished fixtures.		
26 05 29 00-0248	EA	Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515)	4.94	
		For >50 To 100, Deduct	-0.23	
		For >100 To 250, Deduct	-0.46	
		For >250 To 500, Deduct	-0.90	
		For >500, Deduct	-1.35	
26 05 29 00-0249	PR	Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517)	15.21	
		For >50 To 100, Deduct	-0.49	
		For >100 To 250, Deduct	-0.97	
		For >250 To 500, Deduct	-1.67	
		For >500, Deduct	-2.38	
26 05 29 00-0250	PR	Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520)	20.60	
		For >50 To 100, Deduct	-0.62	
		For >100 To 250, Deduct	-1.24	
		For >250 To 500, Deduct	-2.08	
		For >500, Deduct	-2.91	
26 05 29 00-0251		Rigid Steel Conduit Clamps For Unistrut Channel (26 05 29 00-0165)		
26 05 29 00-0252	EA	1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.36	
		For >50 To 100, Deduct	-0.19	
		For >100 To 250, Deduct	-0.38	
		For >250 To 500, Deduct	-0.73	
		For >500, Deduct	-1.08	
		For Work In Restricted Working Space, Add	0.96	
26 05 29 00-0253	EA	3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.38	
		For >50 To 100, Deduct	-0.19	
		For >100 To 250, Deduct	-0.38	
		For >250 To 500, Deduct	-0.73	
		For >500, Deduct	-1.08	
		For Work In Restricted Working Space, Add	0.96	
26 05 29 00-0254	EA	1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.47	
		For >50 To 100, Deduct	-0.19	
		For >100 To 250, Deduct	-0.38	
		For >250 To 500, Deduct	-0.74	
		For >500, Deduct	-1.09	
		For Work In Restricted Working Space, Add	0.96	
26 05 29 00-0255	EA	1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.67	
		For >50 To 100, Deduct	-0.25	
		For >100 To 250, Deduct	-0.50	
		For >250 To 500, Deduct	-0.96	
		For >500, Deduct	-1.42	
		For Work In Restricted Working Space, Add	1.28	
26 05 29 00-0256	EA	1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.14	
		For >50 To 100, Deduct	-0.26	
		For >100 To 250, Deduct	-0.52	
		For >250 To 500, Deduct	-0.99	
		For >500, Deduct	-1.47	
		For Work In Restricted Working Space, Add	1.28	
26 05 29 00-0257	EA	2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.19	
		For >50 To 100, Deduct	-0.26	
		For >100 To 250, Deduct	-0.52	
		For >250 To 500, Deduct	-1.00	
		For >500, Deduct	-1.47	
		For Work In Restricted Working Space, Add	1.28	
26 05 29 00-0258	EA	2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	7.59	
		For >50 To 100, Deduct	-0.32	
		For >100 To 250, Deduct	-0.65	
		For >250 To 500, Deduct	-1.24	
		For >500, Deduct	-1.83	
		For Work In Restricted Working Space, Add	1.60	
26 05 29 00-0259	EA	3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	8.01	
		For >50 To 100, Deduct	-0.33	
		For >100 To 250, Deduct	-0.67	
		For >250 To 500, Deduct	-1.27	
		For >500, Deduct	-1.87	
		For Work In Restricted Working Space, Add	1.60	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0260 EA 3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	8.41	
For >50 To 100, Deduct	-0.34	
For >100 To 250, Deduct	-0.69	
For >250 To 500, Deduct	-1.30	
For >500, Deduct	-1.91	
For Work In Restricted Working Space, Add	1.60	
26 05 29 00-0261 EA 4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	8.56	
For >50 To 100, Deduct	-0.35	
For >100 To 250, Deduct	-0.69	
For >250 To 500, Deduct	-1.31	
For >500, Deduct	-1.92	
For Work In Restricted Working Space, Add	1.60	
26 05 29 00-0262 Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel (26 05 29 00-0165)	4.67	
26 05 29 00-0263 EA 1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	4.67	
For >50 To 100, Deduct	-0.20	
For >100 To 250, Deduct	-0.39	
For >250 To 500, Deduct	-0.75	
For >500, Deduct	-1.11	
For Work In Restricted Working Space, Add	0.96	
26 05 29 00-0264 EA 3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	4.63	
For >50 To 100, Deduct	-0.20	
For >100 To 250, Deduct	-0.39	
For >250 To 500, Deduct	-0.75	
For >500, Deduct	-1.10	
For Work In Restricted Working Space, Add	0.96	
26 05 29 00-0265 EA 1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	4.59	
For >50 To 100, Deduct	-0.19	
For >100 To 250, Deduct	-0.39	
For >250 To 500, Deduct	-0.74	
For >500, Deduct	-1.10	
For Work In Restricted Working Space, Add	0.96	
26 05 29 00-0266 EA 1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	6.05	
For >50 To 100, Deduct	-0.26	
For >100 To 250, Deduct	-0.52	
For >250 To 500, Deduct	-0.99	
For >500, Deduct	-1.46	
For Work In Restricted Working Space, Add	1.28	
26 05 29 00-0267 EA 1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	6.87	
For >50 To 100, Deduct	-0.28	
For >100 To 250, Deduct	-0.56	
For >250 To 500, Deduct	-1.05	
For >500, Deduct	-1.54	
For Work In Restricted Working Space, Add	1.28	
26 05 29 00-0268 EA 2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	6.92	
For >50 To 100, Deduct	-0.28	
For >100 To 250, Deduct	-0.56	
For >250 To 500, Deduct	-1.05	
For >500, Deduct	-1.55	
For Work In Restricted Working Space, Add	1.28	
26 05 29 00-0269 "J" Type Conduit Hangers (26 05 29 00-0165)	18.79	
26 05 29 00-0270 EA 1/2", "J" Type Conduit Hanger (Unistrut J1205)	18.79	
For >50 To 100, Deduct	-0.66	
For >100 To 250, Deduct	-1.31	
For >250 To 500, Deduct	-2.34	
For >500, Deduct	-3.37	
For Work In Restricted Working Space, Add	2.24	
26 05 29 00-0271 EA 3/4", "J" Type Conduit Hanger (Unistrut J1207)	18.99	
For >50 To 100, Deduct	-0.66	
For >100 To 250, Deduct	-1.32	
For >250 To 500, Deduct	-2.36	
For >500, Deduct	-3.39	
For Work In Restricted Working Space, Add	2.24	
26 05 29 00-0272 EA 1", "J" Type Conduit Hanger (Unistrut J1210)	20.23	
For >50 To 100, Deduct	-0.72	
For >100 To 250, Deduct	-1.44	
For >250 To 500, Deduct	-2.58	
For >500, Deduct	-3.73	
For Work In Restricted Working Space, Add	2.56	
26 05 29 00-0273 EA 1-1/4", "J" Type Conduit Hanger (Unistrut J1212)	20.44	
For >50 To 100, Deduct	-0.72	
For >100 To 250, Deduct	-1.45	
For >250 To 500, Deduct	-2.60	
For >500, Deduct	-3.75	
For Work In Restricted Working Space, Add	2.56	
26 05 29 00-0274 EA 1-1/2", "J" Type Conduit Hanger (Unistrut J1215)	21.66	
For >50 To 100, Deduct	-0.78	
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-2.82	
For >500, Deduct	-4.09	
For Work In Restricted Working Space, Add	2.88	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0275	EA	2", "J" Type Conduit Hanger (Unistrut J1220).....	22.46	
		For >50 To 100, Deduct	-0.80	
		For >100 To 250, Deduct	-1.60	
		For >250 To 500, Deduct	-2.88	
		For >500, Deduct	-4.17	
		For Work In Restricted Working Space, Add	2.88	
26 05 29 00-0276	EA	2-1/2", "J" Type Conduit Hanger (Unistrut J1225).....	35.02	
		For >50 To 100, Deduct	-1.14	
		For >100 To 250, Deduct	-2.28	
		For >250 To 500, Deduct	-3.96	
		For >500, Deduct	-5.64	
		For Work In Restricted Working Space, Add	3.20	
26 05 29 00-0277	EA	3", "J" Type Conduit Hanger (Unistrut J1230).....	37.29	
		For >50 To 100, Deduct	-1.23	
		For >100 To 250, Deduct	-2.45	
		For >250 To 500, Deduct	-4.26	
		For >500, Deduct	-6.08	
		For Work In Restricted Working Space, Add	3.52	
26 05 29 00-0278	EA	3-1/2", "J" Type Conduit Hanger (Unistrut J1235).....	40.18	
		For >50 To 100, Deduct	-1.32	
		For >100 To 250, Deduct	-2.65	
		For >250 To 500, Deduct	-4.61	
		For >500, Deduct	-6.58	
		For Work In Restricted Working Space, Add	3.84	
26 05 29 00-0279	EA	4", "J" Type Conduit Hanger (Unistrut J1240).....	52.65	
		For >50 To 100, Deduct	-1.64	
		For >100 To 250, Deduct	-3.27	
		For >250 To 500, Deduct	-5.55	
		For >500, Deduct	-7.83	
		For Work In Restricted Working Space, Add	3.84	
26 05 29 00-0280	EA	5", "J" Type Conduit Hanger (Unistrut J1250).....	57.80	
		For >50 To 100, Deduct	-1.79	
		For >100 To 250, Deduct	-3.58	
		For >250 To 500, Deduct	-6.07	
		For >500, Deduct	-8.55	
		For Work In Restricted Working Space, Add	4.16	
26 05 29 00-0281	EA	6", "J" Type Conduit Hanger (Unistrut J1260).....	80.83	
		For >50 To 100, Deduct	-2.42	
		For >100 To 250, Deduct	-4.64	
		For >250 To 500, Deduct	-8.06	
		For >500, Deduct	-11.28	
		For Work In Restricted Working Space, Add	4.80	
26 05 29 00-0282		Between Studs Box Brackets (26 05 29 00-0165)		
26 05 29 00-0283	EA	16" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A)	6.87	
		For >50 To 100, Deduct	-0.25	
		For >100 To 250, Deduct	-0.50	
		For >250 To 500, Deduct	-0.92	
		For >500, Deduct	-1.33	
		For Work In Restricted Working Space, Add	0.96	
26 05 29 00-0284	EA	24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A)	8.14	
		For >50 To 100, Deduct	-0.28	
		For >100 To 250, Deduct	-0.57	
		For >250 To 500, Deduct	-1.01	
		For >500, Deduct	-1.45	
		For Work In Restricted Working Space, Add	0.96	
26 05 29 00-0285		Hangers And Brackets (26 05 29 00-0165)		
26 05 29 00-0286	EA	Rod Hangers Only With 1/4" Thread Impression (Caddy 4T1)	2.62	
		For >50 To 100, Deduct	-0.12	
		For >100 To 250, Deduct	-0.24	
		For >250 To 500, Deduct	-0.46	
		For >500, Deduct	-0.69	
26 05 29 00-0287	EA	Angle Bracket Only With 1/4" Hole (Caddy AB)	2.55	
		For >50 To 100, Deduct	-0.12	
		For >100 To 250, Deduct	-0.23	
		For >250 To 500, Deduct	-0.46	
		For >500, Deduct	-0.68	
26 05 29 00-0288	EA	Offset Bracket Only With 1/4" Hole (Caddy AO)	2.55	
		For >50 To 100, Deduct	-0.12	
		For >100 To 250, Deduct	-0.23	
		For >250 To 500, Deduct	-0.46	
		For >500, Deduct	-0.68	
26 05 29 00-0289	EA	Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB).....	3.31	
		For >50 To 100, Deduct	-0.14	
		For >100 To 250, Deduct	-0.27	
		For >250 To 500, Deduct	-0.52	
		For >500, Deduct	-0.76	
26 05 29 00-0290	EA	Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB).....	3.33	
		For >50 To 100, Deduct	-0.14	
		For >100 To 250, Deduct	-0.27	
		For >250 To 500, Deduct	-0.52	
		For >500, Deduct	-0.76	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0291	EA	Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB).....	3.24	
		For >50 To 100, Deduct	-0.13	
		For >100 To 250, Deduct	-0.27	
		For >250 To 500, Deduct	-0.51	
		For >500, Deduct	-0.75	
26 05 29 00-0292	EA	Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO).....	3.31	
		For >50 To 100, Deduct	-0.14	
		For >100 To 250, Deduct	-0.27	
		For >250 To 500, Deduct	-0.52	
		For >500, Deduct	-0.76	
26 05 29 00-0293	EA	Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO).....	3.33	
		For >50 To 100, Deduct	-0.14	
		For >100 To 250, Deduct	-0.27	
		For >250 To 500, Deduct	-0.52	
		For >500, Deduct	-0.76	
26 05 29 00-0294 Clips And Accessories (26 05 29 00-0165)				
26 05 29 00-0295	EA	1/2" Diameter Center, Bridle Ring (Caddy 2BR).....	1.75	
		For >50 To 100, Deduct	-0.08	
		For >100 To 250, Deduct	-0.15	
		For >250 To 500, Deduct	-0.30	
		For >500, Deduct	-0.44	
26 05 29 00-0296	EA	3/4" Diameter Center, Bridle Ring (Caddy 2BR12).....	1.78	
		For >50 To 100, Deduct	-0.08	
		For >100 To 250, Deduct	-0.16	
		For >250 To 500, Deduct	-0.30	
		For >500, Deduct	-0.44	
26 05 29 00-0297	EA	1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20).....	1.89	
		For >50 To 100, Deduct	-0.08	
		For >100 To 250, Deduct	-0.16	
		For >250 To 500, Deduct	-0.31	
		For >500, Deduct	-0.46	
26 05 29 00-0298	EA	2" Diameter Center, Bridle Ring (Caddy 2BR32).....	2.13	
		For >50 To 100, Deduct	-0.09	
		For >100 To 250, Deduct	-0.17	
		For >250 To 500, Deduct	-0.33	
		For >500, Deduct	-0.48	
26 05 29 00-0299 Wire Ties (26 05 29 00-0165)				
		Note: Per hundred (C).		
26 05 29 00-0300	C	3" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	25.91	
		For Up To 0.1, Add	22.27	
		For >0.1 To 0.25, Add	11.14	
		For >0.25 To 0.75, Add	5.57	
		For >2.0, Deduct	-2.23	
		For UV Black, Add	0.55	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.68	
26 05 29 00-0301	C	4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	26.05	
		For Up To 0.1, Add	22.27	
		For >0.1 To 0.25, Add	11.14	
		For >0.25 To 0.75, Add	5.57	
		For >2.0, Deduct	-2.23	
		For UV Black, Add	0.57	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.68	
26 05 29 00-0302	C	4-3/4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	26.15	
		For Up To 0.1, Add	22.27	
		For >0.1 To 0.25, Add	11.14	
		For >0.25 To 0.75, Add	5.57	
		For >2.0, Deduct	-2.23	
		For UV Black, Add	0.58	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.68	
26 05 29 00-0303	C	5-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	26.19	
		For Up To 0.1, Add	22.27	
		For >0.1 To 0.25, Add	11.14	
		For >0.25 To 0.75, Add	5.57	
		For >2.0, Deduct	-2.23	
		For UV Black, Add	0.59	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.68	
26 05 29 00-0304	C	6-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	27.20	
		For Up To 0.1, Add	23.23	
		For >0.1 To 0.25, Add	11.62	
		For >0.25 To 0.75, Add	5.81	
		For >2.0, Deduct	-2.32	
		For UV Black, Add	0.60	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.97	
26 05 29 00-0305	C	8" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	31.33	
		For Up To 0.1, Add	24.29	
		For >0.1 To 0.25, Add	12.15	
		For >0.25 To 0.75, Add	6.07	
		For >2.0, Deduct	-2.43	
		For UV Black, Add	1.06	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.29	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0306	C		4-3/4" Length, 40 LB Tensile Strength, Nylon Cable Ties	29.82	
			For Up To 0.1, Add	22.27	
			For >0.1 To 0.25, Add	11.14	
			For >0.25 To 0.75, Add	5.57	
			For >2.0, Deduct	-2.23	
			For UV Black, Add	1.13	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.68	
26 05 29 00-0307	C		6" Length, 40 LB Tensile Strength, Nylon Cable Ties	30.84	
			For Up To 0.1, Add	23.23	
			For >0.1 To 0.25, Add	11.62	
			For >0.25 To 0.75, Add	5.81	
			For >2.0, Deduct	-2.32	
			For UV Black, Add	1.14	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.97	
26 05 29 00-0308	C		8" Length, 40 LB Tensile Strength, Nylon Cable Ties	31.94	
			For Up To 0.1, Add	24.29	
			For >0.1 To 0.25, Add	12.15	
			For >0.25 To 0.75, Add	6.07	
			For >2.0, Deduct	-2.43	
			For UV Black, Add	1.15	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.29	
26 05 29 00-0309	C		10" Length, 40 LB Tensile Strength, Nylon Cable Ties	43.83	
			For Up To 0.1, Add	26.19	
			For >0.1 To 0.25, Add	13.10	
			For >0.25 To 0.75, Add	6.55	
			For >2.0, Deduct	-2.62	
			For UV Black, Add	2.65	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.86	
26 05 29 00-0310	C		11-1/2" Length, 40 LB Tensile Strength, Nylon Cable Ties	45.43	
			For Up To 0.1, Add	26.19	
			For >0.1 To 0.25, Add	13.10	
			For >0.25 To 0.75, Add	6.55	
			For >2.0, Deduct	-2.62	
			For UV Black, Add	2.89	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.86	
26 05 29 00-0311	C		7" Length, 50 LB Tensile Strength, Nylon Cable Ties	33.06	
			For Up To 0.1, Add	24.29	
			For >0.1 To 0.25, Add	12.15	
			For >0.25 To 0.75, Add	6.07	
			For >2.0, Deduct	-2.43	
			For UV Black, Add	1.32	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.29	
26 05 29 00-0312	C		8" Length, 50 LB Tensile Strength, Nylon Cable Ties	31.64	
			For Up To 0.1, Add	24.29	
			For >0.1 To 0.25, Add	12.15	
			For >0.25 To 0.75, Add	6.07	
			For >2.0, Deduct	-2.43	
			For UV Black, Add	1.10	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.29	
26 05 29 00-0313	C		11" Length, 50 LB Tensile Strength, Nylon Cable Ties	44.27	
			For Up To 0.1, Add	26.19	
			For >0.1 To 0.25, Add	13.10	
			For >0.25 To 0.75, Add	6.55	
			For >2.0, Deduct	-2.62	
			For UV Black, Add	2.71	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.86	
26 05 29 00-0314	C		14-1/2" Length, 50 LB Tensile Strength, Nylon Cable Ties	50.06	
			For Up To 0.1, Add	27.83	
			For >0.1 To 0.25, Add	13.92	
			For >0.25 To 0.75, Add	6.96	
			For >2.0, Deduct	-2.78	
			For UV Black, Add	3.33	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.35	
26 05 29 00-0315	C		8" Length, 120 LB Tensile Strength, Nylon Cable Ties	48.15	
			For Up To 0.1, Add	24.29	
			For >0.1 To 0.25, Add	12.15	
			For >0.25 To 0.75, Add	6.07	
			For >2.0, Deduct	-2.43	
			For UV Black, Add	3.58	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.29	
26 05 29 00-0316	C		11" Length, 120 LB Tensile Strength, Nylon Cable Ties	52.60	
			For Up To 0.1, Add	26.19	
			For >0.1 To 0.25, Add	13.10	
			For >0.25 To 0.75, Add	6.55	
			For >2.0, Deduct	-2.62	
			For UV Black, Add	3.96	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.86	
26 05 29 00-0317	C		15" Length, 120 LB Tensile Strength, Nylon Cable Ties	62.57	
			For Up To 0.1, Add	27.83	
			For >0.1 To 0.25, Add	13.92	
			For >0.25 To 0.75, Add	6.96	
			For >2.0, Deduct	-2.78	
			For UV Black, Add	5.21	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.35	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0318 C 17" Length, 120 LB Tensile Strength, Nylon Cable Ties	86.60	
For Up To 0.1, Add	29.68	
For >0.1 To 0.25, Add	14.84	
For >0.25 To 0.75, Add	7.42	
For >2.0, Deduct	-2.97	
For UV Black, Add	8.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.90	
26 05 29 00-0319 C 17-3/4" Length, 175 LB Tensile Strength, Nylon Cable Ties	84.17	
For Up To 0.1, Add	29.68	
For >0.1 To 0.25, Add	14.84	
For >0.25 To 0.75, Add	7.42	
For >2.0, Deduct	-2.97	
For UV Black, Add	8.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.90	
26 05 29 00-0320 C 21-11/16" Length, 175 LB Tensile Strength, Nylon Cable Ties	101.09	
For Up To 0.1, Add	31.07	
For >0.1 To 0.25, Add	15.54	
For >0.25 To 0.75, Add	7.77	
For >2.0, Deduct	-3.11	
For UV Black, Add	10.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.32	
26 05 29 00-0321 C 30" Length, 175 LB Tensile Strength, Nylon Cable Ties	116.03	
For Up To 0.1, Add	32.58	
For >0.1 To 0.25, Add	16.29	
For >0.25 To 0.75, Add	8.15	
For >2.0, Deduct	-3.26	
For UV Black, Add	12.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.77	
26 05 29 00-0322 C 46" Length, 175 LB Tensile Strength, Nylon Cable Ties	156.41	
For Up To 0.1, Add	35.15	
For >0.1 To 0.25, Add	17.58	
For >0.25 To 0.75, Add	8.79	
For >2.0, Deduct	-3.52	
For UV Black, Add	18.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.55	
26 05 29 00-0323 C 3/4" x 3/4" Self Adhesive Tie Mounts	35.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.02	
26 05 29 00-0324 C 1.1" x 1.1" Tie Mounts With Screw	69.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.04	
26 05 29 00-0325 EA 6" Length x 1/2" Width, Velcro Grip Cable Tie	1.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.16	
26 05 29 00-0326 EA 8" Length x 1/2" Width, Velcro Grip Cable Tie	1.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.13	
26 05 29 00-0327 EA 12" Length x 1/2" Width, Velcro Grip Cable Tie	2.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.13	
26 05 29 00-0328 EA 15" Length x 3/4" Width, Velcro Grip Cable Tie	2.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.13	
26 05 29 00-0329 EA 180" Length x 3/4" Width, Velcro Grip Cable Tie Roll	69.04	
Note: Cut to length.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.00	
26 05 29 00-0330 Fastening Devices For Wireway And Conduit (26 05 29)		
Note: Bolts include drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports.		
26 05 29 00-0331 Toggle Bolts (26 05 29 00-0330)		
Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0332 EA 1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	8.33	
For >50 To 100, Deduct	-0.79	
For >100 To 250, Deduct	-1.59	
For >250 To 500, Deduct	-2.77	
For >500, Deduct	-3.95	
26 05 29 00-0333 EA 1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	8.56	
For >50 To 100, Deduct	-0.81	
For >100 To 250, Deduct	-1.63	
For >250 To 500, Deduct	-2.84	
For >500, Deduct	-4.05	
26 05 29 00-0334 EA 3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	9.05	
For >50 To 100, Deduct	-0.84	
For >100 To 250, Deduct	-1.68	
For >250 To 500, Deduct	-2.93	
For >500, Deduct	-4.18	
26 05 29 00-0335 EA 3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	9.28	
For >50 To 100, Deduct	-0.86	
For >100 To 250, Deduct	-1.72	
For >250 To 500, Deduct	-3.00	
For >500, Deduct	-4.28	
26 05 29 00-0336 EA 1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	9.49	
For >50 To 100, Deduct	-0.88	
For >100 To 250, Deduct	-1.76	
For >250 To 500, Deduct	-3.07	
For >500, Deduct	-4.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0337 EA 5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	10.84	
For >50 To 100, Deduct	-0.93	
For >100 To 250, Deduct	-1.86	
For >250 To 500, Deduct	-3.22	
For >500, Deduct	-4.59	
26 05 29 00-0338 EA 3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	11.30	
For >50 To 100, Deduct	-0.96	
For >100 To 250, Deduct	-1.91	
For >250 To 500, Deduct	-3.31	
For >500, Deduct	-4.72	
26 05 29 00-0339 Machine Screws (26 05 29 00-0330)		
Note: Includes drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0340 EA #8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.46	
For >50 To 100, Deduct	-0.24	
For >100 To 250, Deduct	-0.48	
For >250 To 500, Deduct	-0.84	
For >500, Deduct	-1.19	
26 05 29 00-0341 EA #10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.50	
For >50 To 100, Deduct	-0.24	
For >100 To 250, Deduct	-0.48	
For >250 To 500, Deduct	-0.84	
For >500, Deduct	-1.20	
26 05 29 00-0342 EA 1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	3.14	
For >50 To 100, Deduct	-0.30	
For >100 To 250, Deduct	-0.60	
For >250 To 500, Deduct	-1.05	
For >500, Deduct	-1.50	
26 05 29 00-0343 EA 5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	3.29	
For >50 To 100, Deduct	-0.31	
For >100 To 250, Deduct	-0.61	
For >250 To 500, Deduct	-1.06	
For >500, Deduct	-1.52	
26 05 29 00-0344 EA 3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	4.07	
For >50 To 100, Deduct	-0.37	
For >100 To 250, Deduct	-0.74	
For >250 To 500, Deduct	-1.28	
For >500, Deduct	-1.83	
26 05 29 00-0345 Hex Lag Bolts With Lag Shield Expansion Anchors (26 05 29 00-0330)		
Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0346 EA 1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	4.10	
For >50 To 100, Deduct	-0.33	
For >100 To 250, Deduct	-0.65	
For >250 To 500, Deduct	-1.12	
For >500, Deduct	-1.60	
26 05 29 00-0347 EA 5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	4.05	
For >50 To 100, Deduct	-0.32	
For >100 To 250, Deduct	-0.65	
For >250 To 500, Deduct	-1.12	
For >500, Deduct	-1.59	
26 05 29 00-0348 EA 3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	5.80	
For >50 To 100, Deduct	-0.41	
For >100 To 250, Deduct	-0.82	
For >250 To 500, Deduct	-1.41	
For >500, Deduct	-2.00	
26 05 29 00-0349 EA 1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	7.44	
For >50 To 100, Deduct	-0.50	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.69	
For >500, Deduct	-2.40	
26 05 29 00-0350 Hanger Lag Bolts With Hex Nuts (26 05 29 00-0330)		
Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0351 EA 1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	3.05	
For >50 To 100, Deduct	-0.25	
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-0.88	
For >500, Deduct	-1.25	
26 05 29 00-0352 EA 5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	3.11	
For >50 To 100, Deduct	-0.26	
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-0.89	
For >500, Deduct	-1.26	
26 05 29 00-0353 EA 3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	3.69	
For >50 To 100, Deduct	-0.29	
For >100 To 250, Deduct	-0.58	
For >250 To 500, Deduct	-1.00	
For >500, Deduct	-1.43	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 29 00-0354 Hollow Wall Screw Anchors (26 05 29 00-0330)	
26 05 29 00-0355 EA 6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.79
For >50 To 100, Deduct	-0.15
For >100 To 250, Deduct	-0.30
For >250 To 500, Deduct	-0.52
For >500, Deduct	-0.75
26 05 29 00-0356 EA 6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.85
For >50 To 100, Deduct	-0.15
For >100 To 250, Deduct	-0.31
For >250 To 500, Deduct	-0.53
For >500, Deduct	-0.75
26 05 29 00-0357 EA 6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.95
For >50 To 100, Deduct	-0.16
For >100 To 250, Deduct	-0.31
For >250 To 500, Deduct	-0.54
For >500, Deduct	-0.76
26 05 29 00-0358 EA 10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.48
For >50 To 100, Deduct	-0.19
For >100 To 250, Deduct	-0.37
For >250 To 500, Deduct	-0.64
For >500, Deduct	-0.91
26 05 29 00-0359 EA 10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.61
For >50 To 100, Deduct	-0.19
For >100 To 250, Deduct	-0.38
For >250 To 500, Deduct	-0.65
For >500, Deduct	-0.92
26 05 29 00-0360 EA 10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.65
For >50 To 100, Deduct	-0.19
For >100 To 250, Deduct	-0.38
For >250 To 500, Deduct	-0.65
For >500, Deduct	-0.93
26 05 29 00-0361 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.67
For >50 To 100, Deduct	-0.19
For >100 To 250, Deduct	-0.38
For >250 To 500, Deduct	-0.65
For >500, Deduct	-0.93
26 05 29 00-0362 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.86
For >50 To 100, Deduct	-0.20
For >100 To 250, Deduct	-0.39
For >250 To 500, Deduct	-0.67
For >500, Deduct	-0.95
26 05 29 00-0363 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.93
For >50 To 100, Deduct	-0.20
For >100 To 250, Deduct	-0.39
For >250 To 500, Deduct	-0.67
For >500, Deduct	-0.95
26 05 29 00-0364 Lead Screw Anchors (26 05 29 00-0330)	
Note: Includes screw.	
26 05 29 00-0365 EA #6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw	4.12
For >50 To 100, Deduct	-0.38
For >100 To 250, Deduct	-0.75
For >250 To 500, Deduct	-1.31
For >500, Deduct	-1.86
26 05 29 00-0366 EA #10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	4.92
For >50 To 100, Deduct	-0.44
For >100 To 250, Deduct	-0.88
For >250 To 500, Deduct	-1.52
For >500, Deduct	-2.17
26 05 29 00-0367 EA #16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	6.70
For >50 To 100, Deduct	-0.57
For >100 To 250, Deduct	-1.14
For >250 To 500, Deduct	-1.97
For >500, Deduct	-2.81
26 05 29 00-0368 Nailing Anchor Hilti HPS Impact Anchor Or Equal (26 05 29 00-0330)	
26 05 29 00-0369 EA 1/4" x 1" Nail-In Drilling In Concrete, Concrete Block, Wood Or Steel	1.36
For >50 To 100, Deduct	-0.11
For >100 To 250, Deduct	-0.22
For >250 To 500, Deduct	-0.37
For >500, Deduct	-0.53
26 05 29 00-0370 EA 1/4" x 1-3/4" Nail-In Drilling In Concrete, Concrete Block, Wood Or Steel	2.43
For >50 To 100, Deduct	-0.21
For >100 To 250, Deduct	-0.42
For >250 To 500, Deduct	-0.73
For >500, Deduct	-1.04
26 05 29 00-0371 EA 1/4" x 2-1/8" Nail-In Drilling In Concrete, Concrete Block, Wood Or Steel	3.47
For >50 To 100, Deduct	-0.31
For >100 To 250, Deduct	-0.62
For >250 To 500, Deduct	-1.07
For >500, Deduct	-1.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0372 Acoustical T-Bar Clips (26 05 29 00-0330) Note: For conduit installation above suspended ceilings up to 15' height.		
26 05 29 00-0373 EA 1/2" Conduit, Push-In Acoustical T-Bar Clip.....	6.35	
For >50 To 100, Deduct	-0.50	
For >100 To 250, Deduct	-1.00	
For >250 To 500, Deduct	-1.72	
For >500, Deduct	-2.45	
26 05 29 00-0374 EA 3/4" Conduit, Push-In Acoustical T-Bar Clip.....	6.66	
For >50 To 100, Deduct	-0.53	
For >100 To 250, Deduct	-1.05	
For >250 To 500, Deduct	-1.81	
For >500, Deduct	-2.58	
26 05 29 00-0375 EA 1" Conduit, Push-In Acoustical T-Bar Clip.....	7.23	
For >50 To 100, Deduct	-0.56	
For >100 To 250, Deduct	-1.12	
For >250 To 500, Deduct	-1.93	
For >500, Deduct	-2.74	
26 05 29 00-0376 Threaded Rod, Accessories And Attachments (26 05 29)		
26 05 29 00-0377 Threaded Rod And Rod Accessories (26 05 29 00-0376)		
26 05 29 00-0378 Carbon Steel Threaded Rod (26 05 29 00-0377) Note: Includes plain finish.		
26 05 29 00-0379 LF 3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.36	0.67
For Galvanized, Add	0.81	
For Zinc Coated, Add	0.58	
26 05 29 00-0380 LF 1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.65	0.71
For Galvanized, Add	1.29	
For Zinc Coated, Add	0.92	
26 05 29 00-0381 LF 5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	6.47	0.73
For Galvanized, Add	2.00	
For Zinc Coated, Add	1.42	
26 05 29 00-0382 LF 3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.58	0.76
For Galvanized, Add	3.62	
For Zinc Coated, Add	2.58	
26 05 29 00-0383 LF 7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	11.53	0.78
For Galvanized, Add	3.98	
For Zinc Coated, Add	2.84	
26 05 29 00-0384 LF 1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	15.76	0.88
For Galvanized, Add	5.59	
For Zinc Coated, Add	3.98	
26 05 29 00-0385 LF 1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	19.62	0.98
For Galvanized, Add	7.06	
For Zinc Coated, Add	5.03	
26 05 29 00-0386 Threaded Rod Couplings (26 05 29 00-0377)		
26 05 29 00-0387 EA 3/8" Diameter, Threaded Rod Coupling Nut.....	8.70	
26 05 29 00-0388 EA 1/2" Diameter, Threaded Rod Coupling Nut.....	9.89	
26 05 29 00-0389 EA 5/8" Diameter, Threaded Rod Coupling Nut.....	12.41	
26 05 29 00-0390 EA 3/4" Diameter, Threaded Rod Coupling Nut.....	15.19	
26 05 29 00-0391 EA 7/8" Diameter, Threaded Rod Coupling Nut.....	22.50	
26 05 29 00-0392 EA 1" Diameter, Threaded Rod Coupling Nut.....	26.69	
26 05 29 00-0393 EA 1-1/8" Diameter, Threaded Rod Coupling Nut	51.67	
26 05 29 00-0394 Flat Washers (26 05 29 00-0377)		
26 05 29 00-0395 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.74	0.27
For Galvanized, Add	0.04	
26 05 29 00-0396 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.96	0.27
For Galvanized, Add	0.08	
26 05 29 00-0397 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.28	0.27
For Galvanized, Add	0.15	
26 05 29 00-0398 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.57	0.53
For Galvanized, Add	0.21	
26 05 29 00-0399 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.77	0.53
For Galvanized, Add	0.25	
26 05 29 00-0400 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.10	0.53
For Galvanized, Add	0.30	
26 05 29 00-0401 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.36	0.53
For Galvanized, Add	0.34	
26 05 29 00-0402 Malleable Iron Eye Sockets (26 05 29 00-0377) Note: Type 16.		
26 05 29 00-0403 EA 3/8" Rod Size, Malleable Iron Eye Socket.....	9.76	
26 05 29 00-0404 EA 1/2" Rod Size, Malleable Iron Eye Socket.....	11.66	
26 05 29 00-0405 EA 5/8" Rod Size, Malleable Iron Eye Socket.....	20.22	
26 05 29 00-0406 EA 3/4" Rod Size, Malleable Iron Eye Socket.....	28.78	
26 05 29 00-0407 EA 7/8" Rod Size, Malleable Iron Eye Socket.....	30.66	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 29 00-0408 Hex Nuts (26 05 29 00-0377)			
26 05 29 00-0409	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.71
		<i>For Galvanized, Add</i>	0.03
26 05 29 00-0410	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.92
		<i>For Galvanized, Add</i>	0.07
26 05 29 00-0411	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.28
		<i>For Galvanized, Add</i>	0.15
26 05 29 00-0412	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.52
		<i>For Galvanized, Add</i>	0.20
26 05 29 00-0413	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.25
		<i>For Galvanized, Add</i>	0.37
26 05 29 00-0414	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.88
		<i>For Galvanized, Add</i>	0.50
26 05 29 00-0415	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	4.75
		<i>For Galvanized, Add</i>	0.94
26 05 29 00-0416 Forged Steel Turnbuckles (26 05 29 00-0377)			
		Note: Type 13.	
26 05 29 00-0417	EA	3/8" Thread Diameter, Forged Steel Turnbuckle Body	24.02
26 05 29 00-0418	EA	1/2" Thread Diameter, Forged Steel Turnbuckle Body	29.57
26 05 29 00-0419	EA	5/8" Thread Diameter, Forged Steel Turnbuckle Body	39.44
26 05 29 00-0420	EA	3/4" Thread Diameter, Forged Steel Turnbuckle Body	48.72
26 05 29 00-0421	EA	7/8" Thread Diameter, Forged Steel Turnbuckle Body	118.60
26 05 29 00-0422	EA	1" Thread Diameter, Forged Steel Turnbuckle Body	79.57
26 05 29 00-0423	EA	1-1/4" Thread Diameter, Forged Steel Turnbuckle Body	158.92
26 05 29 00-0424 Attachments (26 05 29 00-0376)			
26 05 29 00-0425 Welded Beam Attachments (26 05 29 00-0424)			
		Note: Type 22.	
26 05 29 00-0426	EA	3/8" Rod Size, Welded Beam Attachment	44.20
26 05 29 00-0427	EA	1/2" Rod Size, Welded Beam Attachment	47.12
26 05 29 00-0428	EA	5/8" Rod Size, Welded Beam Attachment	50.14
26 05 29 00-0429	EA	3/4" Rod Size, Welded Beam Attachment	63.38
26 05 29 00-0430	EA	7/8" Rod Size, Welded Beam Attachment	75.67
26 05 29 00-0431	EA	1" Rod Size, Welded Beam Attachment	105.29
26 05 29 00-0432	EA	1-1/8" Rod Size, Welded Beam Attachment	147.82
26 05 29 00-0433 C-Clamp Style Beam Clamps (26 05 29 00-0424)			
		Note: Type 23. Top or bottom flange mount.	
26 05 29 00-0434	EA	3/8" Rod Size, C-Clamp Style Beam Clamp	16.16
26 05 29 00-0435	EA	1/2" Rod Size, C-Clamp Style Beam Clamp	19.09
26 05 29 00-0436	EA	5/8" Rod Size, C-Clamp Style Beam Clamp	21.57
26 05 29 00-0437	EA	3/4" Rod Size, C-Clamp Style Beam Clamp	27.36
26 05 29 00-0438	EA	7/8" Rod Size, C-Clamp Style Beam Clamp	39.03
26 05 29 00-0439 Bottom Mount I-Beam Clamps (26 05 29 00-0424)			
		Note: Type 21. For attaching threaded rod centered under beam flanges.	
26 05 29 00-0440	EA	3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	42.36
26 05 29 00-0441	EA	1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	61.50
26 05 29 00-0442	EA	5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	87.16
26 05 29 00-0443	EA	3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	104.11
26 05 29 00-0444	EA	1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	248.63
26 05 29 00-0445 Steel U-Bolts (26 05 29 00-0424)			
		Note: Type 24. Includes plate and nuts.	
26 05 29 00-0446	EA	1/2" Pipe Size, Zinc Plated Steel, U-Bolt	13.15
26 05 29 00-0447	EA	3/4" Pipe Size, Zinc Plated Steel, U-Bolt	14.23
26 05 29 00-0448	EA	1" Pipe Size, Zinc Plated Steel, U-Bolt	15.28
26 05 29 00-0449	EA	1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt	17.27
26 05 29 00-0450	EA	1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	17.88
26 05 29 00-0451	EA	2" Pipe Size, Zinc Plated Steel, U-Bolt	19.13
26 05 29 00-0452	EA	2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	26.96
26 05 29 00-0453	EA	3" Pipe Size, Zinc Plated Steel, U-Bolt	29.68
26 05 29 00-0454	EA	4" Pipe Size, Zinc Plated Steel, U-Bolt	35.62
26 05 29 00-0455 Stainless Steel Threaded Rod (26 05 29 00-0376)			
26 05 29 00-0456	LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	3.15
		<i>For 316 Stainless Steel, Add</i>	0.85
26 05 29 00-0457	LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	4.76
		<i>For 316 Stainless Steel, Add</i>	1.45
26 05 29 00-0458	LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	6.12
		<i>For 316 Stainless Steel, Add</i>	1.94



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0459	LF		7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	8.49	0.69
			For 316 Stainless Steel, Add	2.88	
26 05 29 00-0460	LF		1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	10.19	0.71
			For 316 Stainless Steel, Add	3.55	
26 05 29 00-0461	LF		5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	15.24	0.72
			For 316 Stainless Steel, Add	5.58	
26 05 29 00-0462	LF		3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	21.34	0.73
			For 316 Stainless Steel, Add	8.04	
26 05 29 00-0463	LF		7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	29.34	0.76
			For 316 Stainless Steel, Add	11.27	
26 05 29 00-0464	LF		1" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	37.70	0.88
			For 316 Stainless Steel, Add	14.55	
26 05 29 00-0465	LF		1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	79.79	1.06
			For 316 Stainless Steel, Add	31.41	
26 05 29 00-0466			Polyvinyl Chloride (PVC) Coated Supports (26 05 29)		
			Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.		
26 05 29 00-0467			Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0466)		
26 05 29 00-0468			Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0467)		
	EA		1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	50.87	21.33
	EA		3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	55.34	23.25
	EA		1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	59.42	25.59
	EA		1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	70.18	28.48
	EA		1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	80.65	32.00
	EA		2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	94.98	35.20
	EA		2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	103.83	38.40
	EA		3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	114.00	41.59
	EA		3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	120.82	44.79
	EA		4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	130.38	48.00
26 05 29 00-0479			Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0467)		
	EA		1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	53.83	21.33
	EA		3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	57.34	23.25
	EA		1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	65.42	25.59
	EA		1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	72.31	28.48
	EA		1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	81.47	32.00
	EA		2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	93.57	35.20
	EA		2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	106.50	38.40
	EA		3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	117.54	41.59
	EA		3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	125.27	44.79
	EA		4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	130.97	48.00
26 05 29 00-0490			Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0467)		
	EA		1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	51.32	21.12
	EA		3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	55.35	23.04
	EA		1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	62.43	25.59
	EA		1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	72.33	28.16
	EA		1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	91.96	32.00
	EA		2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	100.89	35.20
26 05 29 00-0497			Polyvinyl Chloride (PVC) Coated Conduit Straps (26 05 29 00-0466)		
26 05 29 00-0498			One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps (26 05 29 00-0497)		
	EA		1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	5.27	0.64
	EA		3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	5.70	0.64
	EA		1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	8.23	0.64
	EA		1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	9.94	0.64
	EA		1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	12.98	0.64
	EA		2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	19.34	0.64
	EA		2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	25.66	0.64
	EA		3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	34.27	0.64
	EA		3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	60.41	0.64
	EA		4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	64.18	0.64
26 05 29 00-0509			Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps (26 05 29 00-0497)		
	EA		1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	10.42	1.28
	EA		3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	10.46	1.28
	EA		1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	10.72	1.28
	EA		1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	13.32	1.28
	EA		1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	13.68	1.28
	EA		2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	15.60	1.28
	EA		2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	17.46	1.28
	EA		3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	18.23	1.28
	EA		3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	19.43	1.28
	EA		4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	21.02	1.28

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 29 00-0520		Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0466)		
26 05 29 00-0521		Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0520)		
26 05 29 00-0522	EA	1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	9.51	1.28
26 05 29 00-0523	EA	3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	10.96	1.28
26 05 29 00-0524	EA	1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	13.62	1.28
26 05 29 00-0525	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	15.83	1.28
26 05 29 00-0526	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	20.98	1.28
26 05 29 00-0527	EA	2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	44.34	1.28
26 05 29 00-0528	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	50.60	1.28
26 05 29 00-0529	EA	3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	68.87	1.28
26 05 29 00-0530	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	120.08	1.28
26 05 29 00-0531	EA	4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	120.08	1.28
26 05 29 00-0532		Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories (26 05 29 00-0466)		
26 05 29 00-0533		Polyvinyl Chloride (PVC) Coated Threaded Rod (26 05 29 00-0532)		
26 05 29 00-0534	LF	3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod.....	6.52	0.85
26 05 29 00-0535	LF	1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod.....	7.99	0.96
26 05 29 00-0536		Attachments (26 05 29 00-0466)		
26 05 29 00-0537		Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts (26 05 29 00-0536)		
26 05 29 00-0538	EA	1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	15.07	6.41
26 05 29 00-0539	EA	3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	15.63	6.73
26 05 29 00-0540	EA	1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	16.47	7.16
26 05 29 00-0541	EA	1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	17.51	7.58
26 05 29 00-0542	EA	1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	18.64	8.02
26 05 29 00-0543	EA	2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	20.72	8.55
26 05 29 00-0544	EA	2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	28.35	9.19
26 05 29 00-0545	EA	3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	29.86	9.83
26 05 29 00-0546	EA	4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	31.91	10.69
26 05 29 00-0547	EA	5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	49.47	12.18
26 05 29 00-0548	EA	6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	60.82	14.10
26 05 29 00-0549		Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps (26 05 29 00-0536)		
26 05 29 00-0550	EA	1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	51.76	21.12
26 05 29 00-0551	EA	5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	58.81	21.12
26 05 29 00-0552	EA	3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	61.71	21.12
26 05 29 00-0553	EA	1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	67.64	22.40
26 05 29 00-0554	EA	1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	78.90	25.59
26 05 29 00-0555		Polyvinyl Chloride (PVC) Coated Pipe Straps (26 05 29 00-0536)		
Note: Includes stainless steel nuts and bolts.				
26 05 29 00-0556	EA	1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	20.19	7.04
26 05 29 00-0557	EA	3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	21.28	7.68
26 05 29 00-0558	EA	1" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	23.17	8.32
26 05 29 00-0559	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	26.12	9.60
26 05 29 00-0560	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	29.88	10.88
26 05 29 00-0561	EA	2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	33.13	11.52
26 05 29 00-0562	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	36.62	12.80
26 05 29 00-0563	EA	3" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	43.38	14.08
26 05 29 00-0564	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	47.32	14.72
26 05 29 00-0565	EA	4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	49.81	16.00
26 05 29 00-0566	EA	5" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	53.35	17.91
26 05 29 00-0567		Polyvinyl Chloride (PVC) Coated Channel (26 05 29 00-0466)		
26 05 29 00-0568	LF	A12, Polyvinyl Chloride (PVC) Coated Channel.....	20.28	3.20
26 05 29 00-0569	LF	A12A, Polyvinyl Chloride (PVC) Coated Channel.....	35.72	4.48
26 05 29 00-0570	LF	A12P, Polyvinyl Chloride (PVC) Coated Channel.....	21.61	3.20
26 05 29 00-0571	LF	C14, Polyvinyl Chloride (PVC) Coated Channel.....	16.16	3.20
26 05 29 00-0572	LF	C14P, Polyvinyl Chloride (PVC) Coated Channel.....	16.99	3.20
26 05 29 00-0573		Polymer Concrete Pads (26 05 29)		
Note: Excludes excavation and backfill.				
26 05 29 00-0574		Polymer Concrete, Box Pads (26 05 29 00-0573)		
26 05 29 00-0575	EA	24" x 36", 18" Depth, Polymer Concrete, Box Pad.....	944.06	114.89
26 05 29 00-0576	EA	25" x 25", 24" Depth, Polymer Concrete, Box Pad.....	973.57	114.89
26 05 29 00-0577	EA	40" x 44", 15" Depth, Polymer Concrete, Box Pad.....	1,244.78	114.89
26 05 29 00-0578	EA	40" x 44", 24" Depth, Polymer Concrete, Box Pad.....	1,289.75	114.89
26 05 29 00-0579	EA	52" x 36", 18" Depth, Polymer Concrete, Box Pad.....	1,202.92	114.89
26 05 29 00-0580	EA	44" x 44", 32" Depth, Polymer Concrete, Box Pad.....	1,415.29	114.89



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0581 EA 40" x 58", 24" Depth, Polymer Concrete, Box Pad.....	1,578.12	114.89
26 05 29 00-0582 EA 52" x 50", 18" Depth, Polymer Concrete, Box Pad.....	1,529.08	143.62
26 05 29 00-0583 EA 74" x 76", 36" Depth, Polymer Concrete, Box Pad.....	2,289.89	143.62
26 05 29 00-0584 EA 93" x 93", 36" Depth, Polymer Concrete, Box Pad.....	3,054.47	143.62
26 05 29 00-0585 Polymer Concrete, Telecommunications Equipment Pads (26 05 29 00-0573)		
26 05 29 00-0586 EA 42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	456.85	61.47
26 05 29 00-0587 EA 48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	537.48	61.47
26 05 29 00-0588 EA 60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	700.91	86.17
26 05 29 00-0589 EA 54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	730.87	86.17
26 05 29 00-0590 EA 57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,035.91	86.17
26 05 29 00-0591 EA 72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,078.31	86.17
26 05 29 00-0592 EA 64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,157.31	86.17
26 05 29 00-0593 EA 72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,157.31	86.17
26 05 29 00-0594 EA 76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	2,149.76	86.17
26 05 29 00-0595 EA 96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	2,432.94	86.17
26 05 29 00-0596 Polymer Concrete, Electrical Equipment Pads (26 05 29 00-0573)		
26 05 29 00-0597 EA 24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	286.09	61.47
26 05 29 00-0598 EA 24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	306.81	61.47
26 05 29 00-0599 EA 24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	325.70	61.47
26 05 29 00-0600 EA 24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	388.41	61.47
26 05 29 00-0601 EA 40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	360.42	61.47
26 05 29 00-0602 EA 42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	373.61	61.47
26 05 29 00-0603 EA 48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	407.80	61.47
26 05 29 00-0604 EA 48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	427.74	61.47
26 05 29 00-0605 EA 54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	494.35	61.47
26 05 29 00-0606 EA 56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	604.07	61.47
26 05 29 00-0607 EA 64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	888.95	86.17
26 05 29 00-0608 EA 66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	929.06	86.17
26 05 29 00-0609 EA 75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	941.71	86.17
26 05 29 00-0610 EA 90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	1,026.01	86.17
26 05 29 00-0611 EA 84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	2,153.57	86.17
26 05 29 00-0612 EA 96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	2,531.24	86.17
26 05 33 Raceway and Boxes for Electrical Systems (26 05)		
26 05 33 13 Conduit for Electrical Systems (26 05 33)		
26 05 33 13-0001 Conduit Assemblies (26 05 33 13)		
Note: Includes conduit, fittings and wire. Excludes hangers or supports.		
26 05 33 13-0002 Electrical Metallic Tubing (EMT) Conduit Assemblies (26 05 33 13-0001)		
Note: Includes conduit, field bends, set screw connectors, set screw couplings, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0240 for larger copper conductor, 26 05 33 13-0598 for larger EMT conduit.		
26 05 33 13-0003 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	811.65	238.14
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add		
For 2 #12 THWN Conductor Instead Of THHN, Add		
26 05 33 13-0004 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	888.74	258.61
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add		
For 3 #12 THWN Conductor Instead Of THHN, Add		
26 05 33 13-0005 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	965.83	279.07
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add		
For 4 #12 THWN Conductor Instead Of THHN, Add		
26 05 33 13-0006 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	859.59	248.37
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add		
For 2 #10 THWN Conductor Instead Of THHN, Add		
26 05 33 13-0007 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	955.79	272.25
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add		
For 3 #10 THWN Conductor Instead Of THHN, Add		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0008	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #8 THWN Conductor Instead Of THHN, Add</i>	968.86 230.46 4.87	268.84
26 05 33 13-0009	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	905.07 220.06 1.86	256.75
26 05 33 13-0010	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	982.15 237.59 2.79	277.21
26 05 33 13-0011	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	1,059.24 255.13	297.68
26 05 33 13-0012	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	1,136.32 272.67 4.66	318.14
26 05 33 13-0013	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	953.01 228.83 2.79	266.98
26 05 33 13-0014	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,049.20 249.29 4.19	290.85
26 05 33 13-0015	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,145.39 269.75 5.58	314.73
26 05 33 13-0016	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	1,241.57 290.21 6.98	338.60
26 05 33 13-0017	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,198.66 272.67 7.31	318.14
26 05 33 13-0018	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #8 THWN Conductor Instead Of THHN, Add</i>	1,335.07 298.98 9.74	348.83
26 05 33 13-0019	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #6 THWN Conductor Instead Of THHN, Add</i>	1,205.10 263.90 8.05	307.91
26 05 33 13-0020	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	1,392.80 296.06 12.08	345.42
26 05 33 13-0021	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1,036.86 236.89 1.86	276.34



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0022	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,113.95 254.43 2.79	296.80
26 05 33 13-0023	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	1,191.04 271.97	317.26
26 05 33 13-0024	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	1,268.13 289.51 4.66	337.72
26 05 33 13-0025	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1,084.80 245.66 2.79	286.57
26 05 33 13-0026	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,180.99 266.12 4.19	310.44
26 05 33 13-0027	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,277.18 286.59 5.58	334.31
26 05 33 13-0028	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	1,373.37 307.05 6.98	358.18
26 05 33 13-0029	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,330.47 289.51 7.31	337.72
26 05 33 13-0030	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	1,524.60 312.89 12.08	365.00
26 05 33 13-0031	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #6 THWN Conductor Instead Of THHN, Add</i>	1,712.31 345.05 16.10	402.52
26 05 33 13-0032		Rigid Galvanized Steel (RGS) Conduit Assemblies (26 05 33 13-0001) Note: Includes conduit, field bends, terminations, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0240 for larger copper conductor, 26 05 33 13-0059 for larger RGS conduit.		
26 05 33 13-0033	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1,077.66 232.34 1.86	271.07
26 05 33 13-0034	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,154.73 249.87 2.79	291.53
26 05 33 13-0035	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1,125.59 241.10 2.79	281.30
26 05 33 13-0036	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,221.78 261.56 4.19	305.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0037	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #8 THWN Conductor Instead Of THHN, Add</i>	1,234.86 258.64 4.87	301.77
26 05 33 13-0038	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1,187.07 247.77 1.86	289.10
26 05 33 13-0039	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,264.15 265.31 2.79	309.56
26 05 33 13-0040	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	1,341.24 282.84	330.02
26 05 33 13-0041	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1,235.01 256.54 2.79	299.33
26 05 33 13-0042	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,331.19 277.00 4.19	323.20
26 05 33 13-0043	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,427.38 297.46 5.58	347.07
26 05 33 13-0044	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,480.67 300.38 7.31	350.48
26 05 33 13-0045	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #8 THWN Conductor Instead Of THHN, Add</i>	1,617.06 326.69 9.74	381.18
26 05 33 13-0046	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #6 THWN Conductor Instead Of THHN, Add</i>	1,487.10 291.62 8.05	340.25
26 05 33 13-0047	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	1,674.79 323.77 12.08	377.77
26 05 33 13-0048	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,533.32 295.91 2.79	345.23
26 05 33 13-0049	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	1,610.41 313.45 4.66	365.69
26 05 33 13-0050	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	1,687.49 330.99 4.66	386.14
26 05 33 13-0051	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,600.37 307.61 4.19	358.87
26 05 33 13-0052	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,696.56 328.07 5.58	382.73
26 05 33 13-0053	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	1,792.74 348.53 6.98	406.61



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0054	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 3 #8 THWN Conductor Instead Of THHN, Add	1,749.83 330.99 7.31	386.14
26 05 33 13-0055	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 3 #6 THWN Conductor Instead Of THHN, Add	1,943.97 354.38 12.08	413.43
26 05 33 13-0056	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 4 #6 THWN Conductor Instead Of THHN, Add	2,131.67 386.53 16.10	450.94
26 05 33 13-0057		Conduit (26 05 33 13) Note: Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.		
26 05 33 13-0058		Conduit Installed Above Grade (26 05 33 13-0057)		
26 05 33 13-0059		Rigid Galvanized Steel (RGS) Or Galvanized Rigid Steel Conduit (GRC) Conduit (26 05 33 13-0058) Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0060		Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling (26 05 33 13-0059) Note: Includes field bending for conduit up to 1".		
26 05 33 13-0061	LF	1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling..... For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Installation In Metal Stud Wall, Add For Installation In Wood Stud Wall (Includes Drilling), Add For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	7.75 -0.12 -0.45 -0.64 0.54 1.34 0.80 1.61 0.54 1.07 1.34 1.88 2.14 2.68 2.95	2.15
26 05 33 13-0062	LF	3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling..... For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Installation In Metal Stud Wall, Add For Installation In Wood Stud Wall (Includes Drilling), Add For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	8.79 -0.15 -0.51 -0.73 0.59 1.46 0.88 1.76 0.59 1.17 1.46 2.05 2.34 2.93 3.22	2.34
26 05 33 13-0063	LF	1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling..... For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Installation In Metal Stud Wall, Add For Installation In Wood Stud Wall (Includes Drilling), Add For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	11.37 -0.23 -0.68 -0.97 0.68 1.71 1.02 2.05 0.68 1.36 1.71 2.39 2.73 3.41 3.75	2.73

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0064 LF 1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	13.86	3.12
For >250 To 500, Deduct	-0.30	
For >500 To 1,000, Deduct	-0.84	
For >1,000, Deduct	-1.19	
For Installation In Metal Stud Wall, Add	0.78	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.95	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.17	
For Work In Restricted Working Space, Add	2.34	
For Elevated Installation >10' To 15', Add	0.78	
For Elevated Installation >15' To 20', Add	1.56	
For Elevated Installation >20' To 25', Add	1.95	
For Elevated Installation >25' To 30', Add	2.73	
For Elevated Installation >30' To 35', Add	3.12	
For Elevated Installation >35' To 40', Add	3.90	
For Elevated Installation >40', Add	4.28	
26 05 33 13-0065 LF 1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	16.21	3.51
For >250 To 500, Deduct	-0.37	
For >500 To 1,000, Deduct	-1.00	
For >1,000, Deduct	-1.40	
For Installation In Metal Stud Wall, Add	0.88	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.19	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.32	
For Work In Restricted Working Space, Add	2.63	
For Elevated Installation >10' To 15', Add	0.88	
For Elevated Installation >15' To 20', Add	1.75	
For Elevated Installation >20' To 25', Add	2.19	
For Elevated Installation >25' To 30', Add	3.07	
For Elevated Installation >30' To 35', Add	3.51	
For Elevated Installation >35' To 40', Add	4.39	
For Elevated Installation >40', Add	4.82	
26 05 33 13-0066 LF 2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	20.66	4.28
For >250 To 500, Deduct	-0.50	
For >500 To 1,000, Deduct	-1.28	
For >1,000, Deduct	-1.80	
For Installation In Metal Stud Wall, Add	1.07	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.68	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.61	
For Work In Restricted Working Space, Add	3.22	
For Elevated Installation >10' To 15', Add	1.07	
For Elevated Installation >15' To 20', Add	2.14	
For Elevated Installation >20' To 25', Add	2.68	
For Elevated Installation >25' To 30', Add	3.75	
For Elevated Installation >30' To 35', Add	4.29	
For Elevated Installation >35' To 40', Add	5.36	
For Elevated Installation >40', Add	5.90	
26 05 33 13-0067 LF 2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	31.09	5.85
For >250 To 500, Deduct	-0.82	
For >500 To 1,000, Deduct	-1.97	
For >1,000, Deduct	-2.74	
For Installation In Metal Stud Wall, Add	1.46	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.65	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.19	
For Work In Restricted Working Space, Add	4.38	
For Elevated Installation >10' To 15', Add	1.46	
For Elevated Installation >15' To 20', Add	2.92	
For Elevated Installation >20' To 25', Add	3.65	
For Elevated Installation >25' To 30', Add	5.11	
For Elevated Installation >30' To 35', Add	5.84	
For Elevated Installation >35' To 40', Add	7.31	
For Elevated Installation >40', Add	8.04	
26 05 33 13-0068 LF 3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	40.46	7.79
For >250 To 500, Deduct	-1.05	
For >500 To 1,000, Deduct	-2.55	
For >1,000, Deduct	-3.56	
For Installation In Metal Stud Wall, Add	1.95	
For Installation In Wood Stud Wall (Includes Drilling), Add	4.87	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.92	
For Work In Restricted Working Space, Add	5.85	
For Elevated Installation >10' To 15', Add	1.95	
For Elevated Installation >15' To 20', Add	3.90	
For Elevated Installation >20' To 25', Add	4.87	
For Elevated Installation >25' To 30', Add	6.82	
For Elevated Installation >30' To 35', Add	7.80	
For Elevated Installation >35' To 40', Add	9.75	
For Elevated Installation >40', Add	10.72	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0069	LF		3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	49.95	9.75
			For >250 To 500, Deduct	-1.28	
			For >500 To 1,000, Deduct	-3.14	
			For >1,000, Deduct	-4.39	
			For Installation In Metal Stud Wall, Add	2.44	
			For Installation In Wood Stud Wall (Includes Drilling), Add	6.09	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.65	
			For Work In Restricted Working Space, Add	7.31	
			For Elevated Installation >10' To 15', Add	2.44	
			For Elevated Installation >15' To 20', Add	4.87	
			For Elevated Installation >20' To 25', Add	6.09	
			For Elevated Installation >25' To 30', Add	8.53	
			For Elevated Installation >30' To 35', Add	9.74	
			For Elevated Installation >35' To 40', Add	12.18	
			For Elevated Installation >40', Add	13.40	
26 05 33 13-0070	LF		4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling.....	59.00	11.69
			For >250 To 500, Deduct	-1.49	
			For >500 To 1,000, Deduct	-3.69	
			For >1,000, Deduct	-5.17	
			For Installation In Metal Stud Wall, Add	2.92	
			For Installation In Wood Stud Wall (Includes Drilling), Add	7.31	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	4.38	
			For Work In Restricted Working Space, Add	8.77	
			For Elevated Installation >10' To 15', Add	2.92	
			For Elevated Installation >15' To 20', Add	5.85	
			For Elevated Installation >20' To 25', Add	7.31	
			For Elevated Installation >25' To 30', Add	10.23	
			For Elevated Installation >30' To 35', Add	11.69	
			For Elevated Installation >35' To 40', Add	14.62	
			For Elevated Installation >40', Add	16.08	
26 05 33 13-0071	LF		5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling.....	97.38	14.81
			For >250 To 500, Deduct	-3.02	
			For >500 To 1,000, Deduct	-6.38	
			For >1,000, Deduct	-8.81	
			For Installation In Metal Stud Wall, Add	3.70	
			For Installation In Wood Stud Wall (Includes Drilling), Add	9.26	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	5.55	
			For Work In Restricted Working Space, Add	11.11	
			For Elevated Installation >10' To 15', Add	3.70	
			For Elevated Installation >15' To 20', Add	7.41	
			For Elevated Installation >20' To 25', Add	9.26	
			For Elevated Installation >25' To 30', Add	12.96	
			For Elevated Installation >30' To 35', Add	14.81	
			For Elevated Installation >35' To 40', Add	18.52	
			For Elevated Installation >40', Add	20.37	
26 05 33 13-0072	LF		6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling.....	131.61	18.70
			For >250 To 500, Deduct	-4.24	
			For >500 To 1,000, Deduct	-8.70	
			For >1,000, Deduct	-11.99	
			For Installation In Metal Stud Wall, Add	4.68	
			For Installation In Wood Stud Wall (Includes Drilling), Add	11.70	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	7.02	
			For Work In Restricted Working Space, Add	14.03	
			For Elevated Installation >10' To 15', Add	4.68	
			For Elevated Installation >15' To 20', Add	9.36	
			For Elevated Installation >20' To 25', Add	11.70	
			For Elevated Installation >25' To 30', Add	16.37	
			For Elevated Installation >30' To 35', Add	18.71	
			For Elevated Installation >35' To 40', Add	23.39	
			For Elevated Installation >40', Add	25.73	
26 05 33 13-0073			Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow (26 05 33 13-0059)		
			See CSI section 26 05 33 13-2224 for conduit field bending.		
26 05 33 13-0074	EA		1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	27.52	9.65
			For Work In Restricted Working Space, Add	7.26	
			For Elevated Installation >10' To 15', Add	2.42	
			For Elevated Installation >15' To 20', Add	4.84	
			For Elevated Installation >20' To 25', Add	6.05	
			For Elevated Installation >25' To 30', Add	8.47	
			For Elevated Installation >30' To 35', Add	9.68	
			For Elevated Installation >35' To 40', Add	12.10	
			For Elevated Installation >40', Add	13.30	
26 05 33 13-0075	EA		3/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	34.47	11.98
			For Work In Restricted Working Space, Add	9.02	
			For Elevated Installation >10' To 15', Add	3.01	
			For Elevated Installation >15' To 20', Add	6.02	
			For Elevated Installation >20' To 25', Add	7.52	
			For Elevated Installation >25' To 30', Add	10.53	
			For Elevated Installation >30' To 35', Add	12.03	
			For Elevated Installation >35' To 40', Add	15.04	
			For Elevated Installation >40', Add	16.54	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0076 EA 1" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	43.44	14.71
For Work In Restricted Working Space, Add	11.00	
For Elevated Installation >10' To 15', Add	3.67	
For Elevated Installation >15' To 20', Add	7.34	
For Elevated Installation >20' To 25', Add	9.17	
For Elevated Installation >25' To 30', Add	12.84	
For Elevated Installation >30' To 35', Add	14.67	
For Elevated Installation >35' To 40', Add	18.34	
For Elevated Installation >40', Add	20.17	
26 05 33 13-0077 EA 1-1/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	54.15	17.05
For Work In Restricted Working Space, Add	12.78	
For Elevated Installation >10' To 15', Add	4.26	
For Elevated Installation >15' To 20', Add	8.52	
For Elevated Installation >20' To 25', Add	10.65	
For Elevated Installation >25' To 30', Add	14.91	
For Elevated Installation >30' To 35', Add	17.04	
For Elevated Installation >35' To 40', Add	21.30	
For Elevated Installation >40', Add	23.42	
26 05 33 13-0078 EA 1-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	62.68	19.59
For Work In Restricted Working Space, Add	14.67	
For Elevated Installation >10' To 15', Add	4.89	
For Elevated Installation >15' To 20', Add	9.78	
For Elevated Installation >20' To 25', Add	12.22	
For Elevated Installation >25' To 30', Add	17.11	
For Elevated Installation >30' To 35', Add	19.56	
For Elevated Installation >35' To 40', Add	24.45	
For Elevated Installation >40', Add	26.89	
26 05 33 13-0079 EA 2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	72.73	21.53
For Work In Restricted Working Space, Add	16.13	
For Elevated Installation >10' To 15', Add	5.38	
For Elevated Installation >15' To 20', Add	10.76	
For Elevated Installation >20' To 25', Add	13.45	
For Elevated Installation >25' To 30', Add	18.82	
For Elevated Installation >30' To 35', Add	21.51	
For Elevated Installation >35' To 40', Add	26.89	
For Elevated Installation >40', Add	29.58	
26 05 33 13-0080 EA 2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	100.99	26.90
For Work In Restricted Working Space, Add	20.17	
For Elevated Installation >10' To 15', Add	6.72	
For Elevated Installation >15' To 20', Add	13.44	
For Elevated Installation >20' To 25', Add	16.81	
For Elevated Installation >25' To 30', Add	23.53	
For Elevated Installation >30' To 35', Add	26.89	
For Elevated Installation >35' To 40', Add	33.61	
For Elevated Installation >40', Add	36.97	
26 05 33 13-0081 EA 3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	141.86	36.64
For Work In Restricted Working Space, Add	27.47	
For Elevated Installation >10' To 15', Add	9.16	
For Elevated Installation >15' To 20', Add	18.32	
For Elevated Installation >20' To 25', Add	22.90	
For Elevated Installation >25' To 30', Add	32.05	
For Elevated Installation >30' To 35', Add	36.63	
For Elevated Installation >35' To 40', Add	45.79	
For Elevated Installation >40', Add	50.37	
26 05 33 13-0082 EA 3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	181.90	41.31
For Work In Restricted Working Space, Add	30.99	
For Elevated Installation >10' To 15', Add	10.33	
For Elevated Installation >15' To 20', Add	20.66	
For Elevated Installation >20' To 25', Add	25.83	
For Elevated Installation >25' To 30', Add	36.16	
For Elevated Installation >30' To 35', Add	41.32	
For Elevated Installation >35' To 40', Add	51.65	
For Elevated Installation >40', Add	56.82	
26 05 33 13-0083 EA 4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	225.02	53.79
For Work In Restricted Working Space, Add	40.33	
For Elevated Installation >10' To 15', Add	13.44	
For Elevated Installation >15' To 20', Add	26.89	
For Elevated Installation >20' To 25', Add	33.61	
For Elevated Installation >25' To 30', Add	47.05	
For Elevated Installation >30' To 35', Add	53.78	
For Elevated Installation >35' To 40', Add	67.22	
For Elevated Installation >40', Add	73.94	
26 05 33 13-0084 EA 5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	367.88	87.69
For Work In Restricted Working Space, Add	65.78	
For Elevated Installation >10' To 15', Add	21.93	
For Elevated Installation >15' To 20', Add	43.85	
For Elevated Installation >20' To 25', Add	54.81	
For Elevated Installation >25' To 30', Add	76.74	
For Elevated Installation >30' To 35', Add	87.70	
For Elevated Installation >35' To 40', Add	109.63	
For Elevated Installation >40', Add	120.59	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0085	EA		6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....552.97		131.74
			For Work In Restricted Working Space, Add	98.80	
			For Elevated Installation >10' To 15', Add	32.93	
			For Elevated Installation >15' To 20', Add	65.86	
			For Elevated Installation >20' To 25', Add	82.33	
			For Elevated Installation >25' To 30', Add	115.26	
			For Elevated Installation >30' To 35', Add	131.73	
			For Elevated Installation >35' To 40', Add	164.66	
			For Elevated Installation >40', Add	181.13	
26 05 33 13-0086			Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow (26 05 33 13-0059)		
			See CSI section 26 05 33 13-2224 for conduit field bending.		
26 05 33 13-0087	EA		1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....27.52		9.65
			For Work In Restricted Working Space, Add	7.26	
			For Elevated Installation >10' To 15', Add	2.42	
			For Elevated Installation >15' To 20', Add	4.84	
			For Elevated Installation >20' To 25', Add	6.05	
			For Elevated Installation >25' To 30', Add	8.47	
			For Elevated Installation >30' To 35', Add	9.68	
			For Elevated Installation >35' To 40', Add	12.10	
			For Elevated Installation >40', Add	13.30	
26 05 33 13-0088	EA		3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....34.47		11.98
			For Work In Restricted Working Space, Add	9.02	
			For Elevated Installation >10' To 15', Add	3.01	
			For Elevated Installation >15' To 20', Add	6.02	
			For Elevated Installation >20' To 25', Add	7.52	
			For Elevated Installation >25' To 30', Add	10.53	
			For Elevated Installation >30' To 35', Add	12.03	
			For Elevated Installation >35' To 40', Add	15.04	
			For Elevated Installation >40', Add	16.54	
26 05 33 13-0089	EA		1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....43.44		14.71
			For Work In Restricted Working Space, Add	11.00	
			For Elevated Installation >10' To 15', Add	3.67	
			For Elevated Installation >15' To 20', Add	7.34	
			For Elevated Installation >20' To 25', Add	9.17	
			For Elevated Installation >25' To 30', Add	12.84	
			For Elevated Installation >30' To 35', Add	14.67	
			For Elevated Installation >35' To 40', Add	18.34	
			For Elevated Installation >40', Add	20.17	
26 05 33 13-0090	EA		1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....54.15		17.05
			For Work In Restricted Working Space, Add	12.78	
			For Elevated Installation >10' To 15', Add	4.26	
			For Elevated Installation >15' To 20', Add	8.52	
			For Elevated Installation >20' To 25', Add	10.65	
			For Elevated Installation >25' To 30', Add	14.91	
			For Elevated Installation >30' To 35', Add	17.04	
			For Elevated Installation >35' To 40', Add	21.30	
			For Elevated Installation >40', Add	23.42	
26 05 33 13-0091	EA		1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....62.68		19.59
			For Work In Restricted Working Space, Add	14.67	
			For Elevated Installation >10' To 15', Add	4.89	
			For Elevated Installation >15' To 20', Add	9.78	
			For Elevated Installation >20' To 25', Add	12.22	
			For Elevated Installation >25' To 30', Add	17.11	
			For Elevated Installation >30' To 35', Add	19.56	
			For Elevated Installation >35' To 40', Add	24.45	
			For Elevated Installation >40', Add	26.89	
26 05 33 13-0092	EA		2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....72.73		21.53
			For Work In Restricted Working Space, Add	16.13	
			For Elevated Installation >10' To 15', Add	5.38	
			For Elevated Installation >15' To 20', Add	10.76	
			For Elevated Installation >20' To 25', Add	13.45	
			For Elevated Installation >25' To 30', Add	18.82	
			For Elevated Installation >30' To 35', Add	21.51	
			For Elevated Installation >35' To 40', Add	26.89	
			For Elevated Installation >40', Add	29.58	
26 05 33 13-0093	EA		2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....99.62		26.90
			For Work In Restricted Working Space, Add	20.17	
			For Elevated Installation >10' To 15', Add	6.72	
			For Elevated Installation >15' To 20', Add	13.44	
			For Elevated Installation >20' To 25', Add	16.81	
			For Elevated Installation >25' To 30', Add	23.53	
			For Elevated Installation >30' To 35', Add	26.89	
			For Elevated Installation >35' To 40', Add	33.61	
			For Elevated Installation >40', Add	36.97	
26 05 33 13-0094	EA		3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....136.52		36.64
			For Work In Restricted Working Space, Add	27.47	
			For Elevated Installation >10' To 15', Add	9.16	
			For Elevated Installation >15' To 20', Add	18.32	
			For Elevated Installation >20' To 25', Add	22.90	
			For Elevated Installation >25' To 30', Add	32.05	
			For Elevated Installation >30' To 35', Add	36.63	
			For Elevated Installation >35' To 40', Add	45.79	
			For Elevated Installation >40', Add	50.37	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0095 EA 3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....174.39		41.31
For Work In Restricted Working Space, Add	30.99	
For Elevated Installation >10' To 15', Add	10.33	
For Elevated Installation >15' To 20', Add	20.66	
For Elevated Installation >20' To 25', Add	25.83	
For Elevated Installation >25' To 30', Add	36.16	
For Elevated Installation >30' To 35', Add	41.32	
For Elevated Installation >35' To 40', Add	51.65	
For Elevated Installation >40', Add	56.82	
26 05 33 13-0096 EA 4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....215.04		53.79
For Work In Restricted Working Space, Add	40.33	
For Elevated Installation >10' To 15', Add	13.44	
For Elevated Installation >15' To 20', Add	26.89	
For Elevated Installation >20' To 25', Add	33.61	
For Elevated Installation >25' To 30', Add	47.05	
For Elevated Installation >30' To 35', Add	53.78	
For Elevated Installation >35' To 40', Add	67.22	
For Elevated Installation >40', Add	73.94	
26 05 33 13-0097 EA 5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....367.88		87.69
For Work In Restricted Working Space, Add	65.78	
For Elevated Installation >10' To 15', Add	21.93	
For Elevated Installation >15' To 20', Add	43.85	
For Elevated Installation >20' To 25', Add	54.81	
For Elevated Installation >25' To 30', Add	76.74	
For Elevated Installation >30' To 35', Add	87.70	
For Elevated Installation >35' To 40', Add	109.63	
For Elevated Installation >40', Add	120.59	
26 05 33 13-0098 EA 6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....552.97		131.74
For Work In Restricted Working Space, Add	98.80	
For Elevated Installation >10' To 15', Add	32.93	
For Elevated Installation >15' To 20', Add	65.86	
For Elevated Installation >20' To 25', Add	82.33	
For Elevated Installation >25' To 30', Add	115.26	
For Elevated Installation >30' To 35', Add	131.73	
For Elevated Installation >35' To 40', Add	164.66	
For Elevated Installation >40', Add	181.13	
26 05 33 13-0099 Rigid Galvanized Steel (RGS) 12" Large Radius Elbow (26 05 33 13-0099)		
See CSI section 26 05 33 13-2224 for conduit field bending.		
26 05 33 13-0100 EA 1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow .....64.24		24.07
For Work In Restricted Working Space, Add	14.44	
For Elevated Installation >10' To 15', Add	4.81	
For Elevated Installation >15' To 20', Add	9.63	
For Elevated Installation >20' To 25', Add	12.04	
For Elevated Installation >25' To 30', Add	16.85	
For Elevated Installation >30' To 35', Add	19.26	
For Elevated Installation >35' To 40', Add	24.07	
For Elevated Installation >40', Add	26.48	
26 05 33 13-0101 EA 1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow .....74.10		27.87
For Work In Restricted Working Space, Add	16.72	
For Elevated Installation >10' To 15', Add	5.57	
For Elevated Installation >15' To 20', Add	11.15	
For Elevated Installation >20' To 25', Add	13.93	
For Elevated Installation >25' To 30', Add	19.51	
For Elevated Installation >30' To 35', Add	22.29	
For Elevated Installation >35' To 40', Add	27.87	
For Elevated Installation >40', Add	30.65	
26 05 33 13-0102 EA 1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow .....85.34		31.67
For Work In Restricted Working Space, Add	19.00	
For Elevated Installation >10' To 15', Add	6.33	
For Elevated Installation >15' To 20', Add	12.67	
For Elevated Installation >20' To 25', Add	15.83	
For Elevated Installation >25' To 30', Add	22.17	
For Elevated Installation >30' To 35', Add	25.33	
For Elevated Installation >35' To 40', Add	31.67	
For Elevated Installation >40', Add	34.83	
26 05 33 13-0103 EA 2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow .....95.60		34.83
For Work In Restricted Working Space, Add	20.90	
For Elevated Installation >10' To 15', Add	6.97	
For Elevated Installation >15' To 20', Add	13.93	
For Elevated Installation >20' To 25', Add	17.42	
For Elevated Installation >25' To 30', Add	24.38	
For Elevated Installation >30' To 35', Add	27.87	
For Elevated Installation >35' To 40', Add	34.84	
For Elevated Installation >40', Add	38.32	

26 05 33 13-0104 Rigid Galvanized Steel (RGS) 15" Large Radius Elbow (26 05 33 13-0099)
See CSI section 26 05 33 13-2224 for conduit field bending.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0105 EA 1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	68.41 14.44 4.81 9.63 12.04 16.85 19.26 24.07 26.48	24.07
26 05 33 13-0106 EA 1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	79.47 16.72 5.57 11.15 13.93 19.51 22.29 27.87 30.65	27.87
26 05 33 13-0107 EA 1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	87.79 19.00 6.33 12.67 15.83 22.17 25.33 31.67 34.83	31.67
26 05 33 13-0108 EA 2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	98.34 20.90 6.97 13.93 17.42 24.38 27.87 34.84 38.32	34.83
26 05 33 13-0109 EA 2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	129.00 26.22 8.74 17.48 21.85 30.59 34.96 43.70 48.07	43.71
26 05 33 13-0110 EA 3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	174.09 35.72 11.91 23.81 29.77 41.67 47.63 59.54 65.49	59.53
26 05 33 13-0111 Rigid Galvanized Steel (RGS) 18" Large Radius Elbow (26 05 33 13-0059) See CSI section 26 05 33 13-2224 for conduit field bending.		
26 05 33 13-0112 EA 1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	68.61 14.44 4.81 9.63 12.04 16.85 19.26 24.07 26.48	24.07
26 05 33 13-0113 EA 1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	78.94 16.72 5.57 11.15 13.93 19.51 22.29 27.87 30.65	27.87
26 05 33 13-0114 EA 1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	90.43 19.00 6.33 12.67 15.83 22.17 25.33 31.67 34.83	31.67

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0115 EA 2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	104.25 20.90 6.97 13.93 17.42 24.38 27.87 34.84 38.32	34.83
26 05 33 13-0116 EA 2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	134.51 26.22 8.74 17.48 21.85 30.59 34.96 43.70 48.07	43.71
26 05 33 13-0117 EA 3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	178.53 35.72 11.91 23.81 29.77 41.67 47.63 59.54 65.49	59.53
26 05 33 13-0118 EA 3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	218.32 40.28 13.43 26.85 33.57 46.99 53.71 67.14 73.85	67.13
26 05 33 13-0119 EA 4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	268.72 52.44 17.48 34.96 43.70 61.18 69.92 87.40 96.14	87.40
26 05 33 13-0120 Rigid Galvanized Steel (RGS) 24" Large Radius Elbow (26 05 33 13-0059) See CSI section 26 05 33 13-2224 for conduit field bending.		
26 05 33 13-0121 EA 1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	75.26 14.44 4.81 9.63 12.04 16.85 19.26 24.07 26.48	24.07
26 05 33 13-0122 EA 1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	85.47 16.72 5.57 11.15 13.93 19.51 22.29 27.87 30.65	27.87
26 05 33 13-0123 EA 1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	95.32 19.00 6.33 12.67 15.83 22.17 25.33 31.67 34.83	31.67
26 05 33 13-0124 EA 2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	111.46 20.90 6.97 13.93 17.42 24.38 27.87 34.84 38.32	34.83



		Electrical	26
		Common Work Results for Electrical	26 05
		Raceway and Boxes for Electrical Systems	26 05 33

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0125 EA 2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	144.35 26.22 8.74 17.48 21.85 30.59 34.96 43.70 48.07	43.71
26 05 33 13-0126 EA 3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	193.95 35.72 11.91 23.81 29.77 41.67 47.63 59.54 65.49	59.53
26 05 33 13-0127 EA 3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	233.31 40.28 13.43 26.85 33.57 46.99 53.71 67.14 73.85	67.13
26 05 33 13-0128 EA 4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	280.67 52.44 17.48 34.96 43.70 61.18 69.92 87.40 96.14	87.40
26 05 33 13-0129 Rigid Galvanized Steel (RGS) 30" Large Radius Elbow (26 05 33 13-0059) See CSI section 26 05 33 13-2224 for conduit field bending.		
26 05 33 13-0130 EA 1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	74.86 14.44 4.81 9.63 12.04 16.85 19.26 24.07 26.48	24.07
26 05 33 13-0131 EA 1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	90.33 16.72 5.57 11.15 13.93 19.51 22.29 27.87 30.65	27.87
26 05 33 13-0132 EA 1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	100.58 19.00 6.33 12.67 15.83 22.17 25.33 31.67 34.83	31.67
26 05 33 13-0133 EA 2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	118.33 20.90 6.97 13.93 17.42 24.38 27.87 34.84 38.32	34.83
26 05 33 13-0134 EA 2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	153.78 26.22 8.74 17.48 21.85 30.59 34.96 43.70 48.07	43.71

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0135 EA 3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	206.12 35.72 11.91 23.81 29.77 41.67 47.63 59.54 65.49	59.53
26 05 33 13-0136 EA 3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	248.13 40.28 13.43 26.85 33.57 46.99 53.71 67.14 73.85	67.13
26 05 33 13-0137 EA 4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	302.59 52.44 17.48 34.96 43.70 61.18 69.92 87.40 96.14	87.40
26 05 33 13-0138 EA 5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	449.16 85.50 28.50 57.00 71.25 99.75 114.00 142.51 156.76	142.50
26 05 33 13-0139 Rigid Galvanized Steel (RGS) 36" Large Radius Elbow (26 05 33 13-0059) See CSI section 26 05 33 13-2224 for conduit field bending.		
26 05 33 13-0140 EA 1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	78.42 14.44 4.81 9.63 12.04 16.85 19.26 24.07 26.48	24.07
26 05 33 13-0141 EA 1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	92.72 16.72 5.57 11.15 13.93 19.51 22.29 27.87 30.65	27.87
26 05 33 13-0142 EA 1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	109.79 19.00 6.33 12.67 15.83 22.17 25.33 31.67 34.83	31.67
26 05 33 13-0143 EA 2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	123.70 20.90 6.97 13.93 17.42 24.38 27.87 34.84 38.32	34.83
26 05 33 13-0144 EA 2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	164.97 26.22 8.74 17.48 21.85 30.59 34.96 43.70 48.07	43.71



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0145 EA 3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	216.53 35.72 11.91 23.81 29.77 41.67 47.63 59.54 65.49	59.53
26 05 33 13-0146 EA 3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	267.26 40.28 13.43 26.85 33.57 46.99 53.71 67.14 73.85	67.13
26 05 33 13-0147 EA 4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	312.91 52.44 17.48 34.96 43.70 61.18 69.92 87.40 96.14	87.40
26 05 33 13-0148 EA 5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	533.33 85.50 28.50 57.00 71.25 99.75 114.00 142.51 156.76	142.50
26 05 33 13-0149 EA 6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	700.97 128.45 42.82 85.63 107.04 149.85 171.26 214.08 235.48	214.07
26 05 33 13-0150 Rigid Galvanized Steel (RGS) 42" Large Radius Elbow (26 05 33 13-0059) See CSI section 26 05 33 13-2224 for conduit field bending.		
26 05 33 13-0151 EA 1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	83.62 14.44 4.81 9.63 12.04 16.85 19.26 24.07 26.48	24.07
26 05 33 13-0152 EA 1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	99.08 16.72 5.57 11.15 13.93 19.51 22.29 27.87 30.65	27.87
26 05 33 13-0153 EA 1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	116.55 19.00 6.33 12.67 15.83 22.17 25.33 31.67 34.83	31.67
26 05 33 13-0154 EA 2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	130.76 20.90 6.97 13.93 17.42 24.38 27.87 34.84 38.32	34.83

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0155 EA 2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....173.52		43.71
For Work In Restricted Working Space, Add	26.22	
For Elevated Installation >10' To 15', Add	8.74	
For Elevated Installation >15' To 20', Add	17.48	
For Elevated Installation >20' To 25', Add	21.85	
For Elevated Installation >25' To 30', Add	30.59	
For Elevated Installation >30' To 35', Add	34.96	
For Elevated Installation >35' To 40', Add	43.70	
For Elevated Installation >40', Add	48.07	
26 05 33 13-0156 EA 3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....231.79		59.53
For Work In Restricted Working Space, Add	35.72	
For Elevated Installation >10' To 15', Add	11.91	
For Elevated Installation >15' To 20', Add	23.81	
For Elevated Installation >20' To 25', Add	29.77	
For Elevated Installation >25' To 30', Add	41.67	
For Elevated Installation >30' To 35', Add	47.63	
For Elevated Installation >35' To 40', Add	59.54	
For Elevated Installation >40', Add	65.49	
26 05 33 13-0157 EA 3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....282.56		67.13
For Work In Restricted Working Space, Add	40.28	
For Elevated Installation >10' To 15', Add	13.43	
For Elevated Installation >15' To 20', Add	26.85	
For Elevated Installation >20' To 25', Add	33.57	
For Elevated Installation >25' To 30', Add	46.99	
For Elevated Installation >30' To 35', Add	53.71	
For Elevated Installation >35' To 40', Add	67.14	
For Elevated Installation >40', Add	73.85	
26 05 33 13-0158 EA 4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....356.93		87.40
For Work In Restricted Working Space, Add	52.44	
For Elevated Installation >10' To 15', Add	17.48	
For Elevated Installation >15' To 20', Add	34.96	
For Elevated Installation >20' To 25', Add	43.70	
For Elevated Installation >25' To 30', Add	61.18	
For Elevated Installation >30' To 35', Add	69.92	
For Elevated Installation >35' To 40', Add	87.40	
For Elevated Installation >40', Add	96.14	
26 05 33 13-0159 EA 5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....594.06		142.50
For Work In Restricted Working Space, Add	85.50	
For Elevated Installation >10' To 15', Add	28.50	
For Elevated Installation >15' To 20', Add	57.00	
For Elevated Installation >20' To 25', Add	71.25	
For Elevated Installation >25' To 30', Add	99.75	
For Elevated Installation >30' To 35', Add	114.00	
For Elevated Installation >35' To 40', Add	142.51	
For Elevated Installation >40', Add	156.76	
26 05 33 13-0160 EA 6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....753.55		214.07
For Work In Restricted Working Space, Add	128.45	
For Elevated Installation >10' To 15', Add	42.82	
For Elevated Installation >15' To 20', Add	85.63	
For Elevated Installation >20' To 25', Add	107.04	
For Elevated Installation >25' To 30', Add	149.85	
For Elevated Installation >30' To 35', Add	171.26	
For Elevated Installation >35' To 40', Add	214.08	
For Elevated Installation >40', Add	235.48	
26 05 33 13-0161 Rigid Galvanized Steel (RGS) 48" Large Radius Elbow (26 05 33 13-0059)		
See CSI section 26 05 33 13-2224 for conduit field bending.		
26 05 33 13-0162 EA 1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....87.96		24.07
For Work In Restricted Working Space, Add	14.44	
For Elevated Installation >10' To 15', Add	4.81	
For Elevated Installation >15' To 20', Add	9.63	
For Elevated Installation >20' To 25', Add	12.04	
For Elevated Installation >25' To 30', Add	16.85	
For Elevated Installation >30' To 35', Add	19.26	
For Elevated Installation >35' To 40', Add	24.07	
For Elevated Installation >40', Add	26.48	
26 05 33 13-0163 EA 1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....103.98		27.87
For Work In Restricted Working Space, Add	16.72	
For Elevated Installation >10' To 15', Add	5.57	
For Elevated Installation >15' To 20', Add	11.15	
For Elevated Installation >20' To 25', Add	13.93	
For Elevated Installation >25' To 30', Add	19.51	
For Elevated Installation >30' To 35', Add	22.29	
For Elevated Installation >35' To 40', Add	27.87	
For Elevated Installation >40', Add	30.65	
26 05 33 13-0164 EA 1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....120.82		31.67
For Work In Restricted Working Space, Add	19.00	
For Elevated Installation >10' To 15', Add	6.33	
For Elevated Installation >15' To 20', Add	12.67	
For Elevated Installation >20' To 25', Add	15.83	
For Elevated Installation >25' To 30', Add	22.17	
For Elevated Installation >30' To 35', Add	25.33	
For Elevated Installation >35' To 40', Add	31.67	
For Elevated Installation >40', Add	34.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0165 EA 2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	143.97 20.90 6.97 13.93 17.42 24.38 27.87 34.84 38.32	34.83
26 05 33 13-0166 EA 2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	189.31 26.22 8.74 17.48 21.85 30.59 34.96 43.70 48.07	43.71
26 05 33 13-0167 EA 3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	247.16 35.72 11.91 23.81 29.77 41.67 47.63 59.54 65.49	59.53
26 05 33 13-0168 EA 3-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	301.79 40.28 13.43 26.85 33.57 46.99 53.71 67.14 73.85	67.13
26 05 33 13-0169 EA 4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	380.30 52.44 17.48 34.96 43.70 61.18 69.92 87.40 96.14	87.40
26 05 33 13-0170 EA 5" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	613.08 85.50 28.50 57.00 71.25 99.75 114.00 142.51 156.76	142.50
26 05 33 13-0171 EA 6" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	764.19 128.45 42.82 85.63 107.04 149.85 171.26 214.08 235.48	214.07
26 05 33 13-0172 Rigid Galvanized Steel (RGS) Plastic Insulating Bushing (26 05 33 13-0059)		
26 05 33 13-0173 EA 1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.66 3.73 1.24 2.49 3.11 4.35 4.97 6.22 6.84 3.73	6.21
26 05 33 13-0174 EA 3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.56 3.98 1.33 2.65 3.31 4.64 5.30 6.63 7.29 3.98	6.63

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0175	EA	1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	15.38	7.45
		For Work In Restricted Working Space, Add	4.47	
		For Elevated Installation >10' To 15', Add	1.49	
		For Elevated Installation >15' To 20', Add	2.98	
		For Elevated Installation >20' To 25', Add	3.73	
		For Elevated Installation >25' To 30', Add	5.22	
		For Elevated Installation >30' To 35', Add	5.96	
		For Elevated Installation >35' To 40', Add	7.46	
		For Elevated Installation >40', Add	8.20	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.47	
26 05 33 13-0176	EA	1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	17.25	8.28
		For Work In Restricted Working Space, Add	4.97	
		For Elevated Installation >10' To 15', Add	1.66	
		For Elevated Installation >15' To 20', Add	3.31	
		For Elevated Installation >20' To 25', Add	4.14	
		For Elevated Installation >25' To 30', Add	5.80	
		For Elevated Installation >30' To 35', Add	6.63	
		For Elevated Installation >35' To 40', Add	8.29	
		For Elevated Installation >40', Add	9.11	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.97	
26 05 33 13-0177	EA	1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	21.64	10.35
		For Work In Restricted Working Space, Add	6.21	
		For Elevated Installation >10' To 15', Add	2.07	
		For Elevated Installation >15' To 20', Add	4.14	
		For Elevated Installation >20' To 25', Add	5.18	
		For Elevated Installation >25' To 30', Add	7.25	
		For Elevated Installation >30' To 35', Add	8.28	
		For Elevated Installation >35' To 40', Add	10.36	
		For Elevated Installation >40', Add	11.39	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.21	
26 05 33 13-0178	EA	2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	26.58	12.43
		For Work In Restricted Working Space, Add	7.46	
		For Elevated Installation >10' To 15', Add	2.49	
		For Elevated Installation >15' To 20', Add	4.97	
		For Elevated Installation >20' To 25', Add	6.21	
		For Elevated Installation >25' To 30', Add	8.70	
		For Elevated Installation >30' To 35', Add	9.94	
		For Elevated Installation >35' To 40', Add	12.43	
		For Elevated Installation >40', Add	13.67	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.46	
26 05 33 13-0179	EA	2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	32.80	14.49
		For Work In Restricted Working Space, Add	8.69	
		For Elevated Installation >10' To 15', Add	2.90	
		For Elevated Installation >15' To 20', Add	5.80	
		For Elevated Installation >20' To 25', Add	7.25	
		For Elevated Installation >25' To 30', Add	10.14	
		For Elevated Installation >30' To 35', Add	11.59	
		For Elevated Installation >35' To 40', Add	14.49	
		For Elevated Installation >40', Add	15.94	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.69	
26 05 33 13-0180	EA	3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	37.15	16.57
		For Work In Restricted Working Space, Add	9.94	
		For Elevated Installation >10' To 15', Add	3.31	
		For Elevated Installation >15' To 20', Add	6.63	
		For Elevated Installation >20' To 25', Add	8.28	
		For Elevated Installation >25' To 30', Add	11.60	
		For Elevated Installation >30' To 35', Add	13.25	
		For Elevated Installation >35' To 40', Add	16.57	
		For Elevated Installation >40', Add	18.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.94	
26 05 33 13-0181	EA	3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	42.86	15.59
		For Work In Restricted Working Space, Add	11.18	
		For Elevated Installation >10' To 15', Add	3.73	
		For Elevated Installation >15' To 20', Add	7.45	
		For Elevated Installation >20' To 25', Add	9.32	
		For Elevated Installation >25' To 30', Add	13.04	
		For Elevated Installation >30' To 35', Add	14.91	
		For Elevated Installation >35' To 40', Add	18.64	
		For Elevated Installation >40', Add	20.50	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.18	
26 05 33 13-0182	EA	4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	47.57	20.71
		For Work In Restricted Working Space, Add	12.42	
		For Elevated Installation >10' To 15', Add	4.14	
		For Elevated Installation >15' To 20', Add	8.28	
		For Elevated Installation >20' To 25', Add	10.35	
		For Elevated Installation >25' To 30', Add	14.49	
		For Elevated Installation >30' To 35', Add	16.56	
		For Elevated Installation >35' To 40', Add	20.71	
		For Elevated Installation >40', Add	22.78	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0183 EA 5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	56.04	22.78
For Work In Restricted Working Space, Add	13.67	
For Elevated Installation >10' To 15', Add	4.56	
For Elevated Installation >15' To 20', Add	9.11	
For Elevated Installation >20' To 25', Add	11.39	
For Elevated Installation >25' To 30', Add	15.94	
For Elevated Installation >30' To 35', Add	18.22	
For Elevated Installation >35' To 40', Add	22.78	
For Elevated Installation >40', Add	25.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.67	
26 05 33 13-0184 EA 6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	76.26	24.85
For Work In Restricted Working Space, Add	14.91	
For Elevated Installation >10' To 15', Add	4.97	
For Elevated Installation >15' To 20', Add	9.94	
For Elevated Installation >20' To 25', Add	12.42	
For Elevated Installation >25' To 30', Add	17.39	
For Elevated Installation >30' To 35', Add	19.88	
For Elevated Installation >35' To 40', Add	24.85	
For Elevated Installation >40', Add	27.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.91	
26 05 33 13-0185 Rigid Galvanized Steel (RGS) Steel Bushing (26 05 33 13-0059)		
26 05 33 13-0186 EA 1/2" Rigid Galvanized Steel (RGS) Steel Bushing	15.19	7.31
For Work In Restricted Working Space, Add	4.38	
For Elevated Installation >10' To 15', Add	1.46	
For Elevated Installation >15' To 20', Add	2.92	
For Elevated Installation >20' To 25', Add	3.65	
For Elevated Installation >25' To 30', Add	5.11	
For Elevated Installation >30' To 35', Add	5.84	
For Elevated Installation >35' To 40', Add	7.31	
For Elevated Installation >40', Add	8.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.38	
26 05 33 13-0187 EA 3/4" Rigid Galvanized Steel (RGS) Steel Bushing	16.44	7.79
For Work In Restricted Working Space, Add	4.68	
For Elevated Installation >10' To 15', Add	1.56	
For Elevated Installation >15' To 20', Add	3.12	
For Elevated Installation >20' To 25', Add	3.90	
For Elevated Installation >25' To 30', Add	5.46	
For Elevated Installation >30' To 35', Add	6.24	
For Elevated Installation >35' To 40', Add	7.80	
For Elevated Installation >40', Add	8.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.68	
26 05 33 13-0188 EA 1" Rigid Galvanized Steel (RGS) Steel Bushing	19.02	8.77
For Work In Restricted Working Space, Add	5.26	
For Elevated Installation >10' To 15', Add	1.75	
For Elevated Installation >15' To 20', Add	3.51	
For Elevated Installation >20' To 25', Add	4.39	
For Elevated Installation >25' To 30', Add	6.14	
For Elevated Installation >30' To 35', Add	7.02	
For Elevated Installation >35' To 40', Add	8.77	
For Elevated Installation >40', Add	9.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.26	
26 05 33 13-0189 EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing	21.32	9.75
For Work In Restricted Working Space, Add	5.85	
For Elevated Installation >10' To 15', Add	1.95	
For Elevated Installation >15' To 20', Add	3.90	
For Elevated Installation >20' To 25', Add	4.87	
For Elevated Installation >25' To 30', Add	6.82	
For Elevated Installation >30' To 35', Add	7.80	
For Elevated Installation >35' To 40', Add	9.75	
For Elevated Installation >40', Add	10.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.85	
26 05 33 13-0190 EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	27.06	12.18
For Work In Restricted Working Space, Add	7.31	
For Elevated Installation >10' To 15', Add	2.44	
For Elevated Installation >15' To 20', Add	4.87	
For Elevated Installation >20' To 25', Add	6.09	
For Elevated Installation >25' To 30', Add	8.53	
For Elevated Installation >30' To 35', Add	9.74	
For Elevated Installation >35' To 40', Add	12.18	
For Elevated Installation >40', Add	13.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.31	
26 05 33 13-0191 EA 2" Rigid Galvanized Steel (RGS) Steel Bushing	32.14	14.61
For Work In Restricted Working Space, Add	8.77	
For Elevated Installation >10' To 15', Add	2.92	
For Elevated Installation >15' To 20', Add	5.85	
For Elevated Installation >20' To 25', Add	7.31	
For Elevated Installation >25' To 30', Add	10.23	
For Elevated Installation >30' To 35', Add	11.69	
For Elevated Installation >35' To 40', Add	14.62	
For Elevated Installation >40', Add	16.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.77	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0192	EA		2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	43.24	17.05
			For Work In Restricted Working Space, Add	10.23	
			For Elevated Installation >10' To 15', Add	3.41	
			For Elevated Installation >15' To 20', Add	6.82	
			For Elevated Installation >20' To 25', Add	8.53	
			For Elevated Installation >25' To 30', Add	11.94	
			For Elevated Installation >30' To 35', Add	13.64	
			For Elevated Installation >35' To 40', Add	17.06	
			For Elevated Installation >40', Add	18.76	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.23	
26 05 33 13-0193	EA		3" Rigid Galvanized Steel (RGS) Steel Bushing	50.96	19.49
			For Work In Restricted Working Space, Add	11.69	
			For Elevated Installation >10' To 15', Add	3.90	
			For Elevated Installation >15' To 20', Add	7.79	
			For Elevated Installation >20' To 25', Add	9.74	
			For Elevated Installation >25' To 30', Add	13.64	
			For Elevated Installation >30' To 35', Add	15.59	
			For Elevated Installation >35' To 40', Add	19.49	
			For Elevated Installation >40', Add	21.43	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.69	
26 05 33 13-0194	EA		3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	71.84	21.92
			For Work In Restricted Working Space, Add	13.16	
			For Elevated Installation >10' To 15', Add	4.39	
			For Elevated Installation >15' To 20', Add	8.77	
			For Elevated Installation >20' To 25', Add	10.96	
			For Elevated Installation >25' To 30', Add	15.35	
			For Elevated Installation >30' To 35', Add	17.54	
			For Elevated Installation >35' To 40', Add	21.93	
			For Elevated Installation >40', Add	24.12	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.16	
26 05 33 13-0195	EA		4" Rigid Galvanized Steel (RGS) Steel Bushing	94.11	24.36
			For Work In Restricted Working Space, Add	14.62	
			For Elevated Installation >10' To 15', Add	4.87	
			For Elevated Installation >15' To 20', Add	9.74	
			For Elevated Installation >20' To 25', Add	12.18	
			For Elevated Installation >25' To 30', Add	17.05	
			For Elevated Installation >30' To 35', Add	19.49	
			For Elevated Installation >35' To 40', Add	24.36	
			For Elevated Installation >40', Add	26.80	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.62	
26 05 33 13-0196	EA		5" Rigid Galvanized Steel (RGS) Steel Bushing	122.44	26.80
			For Work In Restricted Working Space, Add	16.08	
			For Elevated Installation >10' To 15', Add	5.36	
			For Elevated Installation >15' To 20', Add	10.72	
			For Elevated Installation >20' To 25', Add	13.40	
			For Elevated Installation >25' To 30', Add	18.76	
			For Elevated Installation >30' To 35', Add	21.44	
			For Elevated Installation >35' To 40', Add	26.80	
			For Elevated Installation >40', Add	29.47	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.08	
26 05 33 13-0197	EA		6" Rigid Galvanized Steel (RGS) Steel Bushing	174.66	29.23
			For Work In Restricted Working Space, Add	17.54	
			For Elevated Installation >10' To 15', Add	5.85	
			For Elevated Installation >15' To 20', Add	11.69	
			For Elevated Installation >20' To 25', Add	14.62	
			For Elevated Installation >25' To 30', Add	20.46	
			For Elevated Installation >30' To 35', Add	23.38	
			For Elevated Installation >35' To 40', Add	29.23	
			For Elevated Installation >40', Add	32.15	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.54	
26 05 33 13-0198			Rigid Galvanized Steel (RGS) Steel Insulated Bushing (26 05 33 13-0059)		
26 05 33 13-0199	EA		1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	15.88	7.31
			For Work In Restricted Working Space, Add	4.38	
			For Elevated Installation >10' To 15', Add	1.46	
			For Elevated Installation >15' To 20', Add	2.92	
			For Elevated Installation >20' To 25', Add	3.65	
			For Elevated Installation >25' To 30', Add	5.11	
			For Elevated Installation >30' To 35', Add	5.84	
			For Elevated Installation >35' To 40', Add	7.31	
			For Elevated Installation >40', Add	8.04	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.38	
26 05 33 13-0200	EA		3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	17.48	7.79
			For Work In Restricted Working Space, Add	4.68	
			For Elevated Installation >10' To 15', Add	1.56	
			For Elevated Installation >15' To 20', Add	3.12	
			For Elevated Installation >20' To 25', Add	3.90	
			For Elevated Installation >25' To 30', Add	5.46	
			For Elevated Installation >30' To 35', Add	6.24	
			For Elevated Installation >35' To 40', Add	7.80	
			For Elevated Installation >40', Add	8.57	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.68	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0201	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	20.33	8.77
		For Work In Restricted Working Space, Add	5.26	
		For Elevated Installation >10' To 15', Add	1.75	
		For Elevated Installation >15' To 20', Add	3.51	
		For Elevated Installation >20' To 25', Add	4.39	
		For Elevated Installation >25' To 30', Add	6.14	
		For Elevated Installation >30' To 35', Add	7.02	
		For Elevated Installation >35' To 40', Add	8.77	
		For Elevated Installation >40', Add	9.65	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.26	
26 05 33 13-0202	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	23.53	9.75
		For Work In Restricted Working Space, Add	5.85	
		For Elevated Installation >10' To 15', Add	1.95	
		For Elevated Installation >15' To 20', Add	3.90	
		For Elevated Installation >20' To 25', Add	4.87	
		For Elevated Installation >25' To 30', Add	6.82	
		For Elevated Installation >30' To 35', Add	7.80	
		For Elevated Installation >35' To 40', Add	9.75	
		For Elevated Installation >40', Add	10.72	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.85	
26 05 33 13-0203	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	29.36	12.18
		For Work In Restricted Working Space, Add	7.31	
		For Elevated Installation >10' To 15', Add	2.44	
		For Elevated Installation >15' To 20', Add	4.87	
		For Elevated Installation >20' To 25', Add	6.09	
		For Elevated Installation >25' To 30', Add	8.53	
		For Elevated Installation >30' To 35', Add	9.74	
		For Elevated Installation >35' To 40', Add	12.18	
		For Elevated Installation >40', Add	13.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.31	
26 05 33 13-0204	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	36.22	14.61
		For Work In Restricted Working Space, Add	8.77	
		For Elevated Installation >10' To 15', Add	2.92	
		For Elevated Installation >15' To 20', Add	5.85	
		For Elevated Installation >20' To 25', Add	7.31	
		For Elevated Installation >25' To 30', Add	10.23	
		For Elevated Installation >30' To 35', Add	11.69	
		For Elevated Installation >35' To 40', Add	14.62	
		For Elevated Installation >40', Add	16.08	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.77	
26 05 33 13-0205	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	48.77	17.05
		For Work In Restricted Working Space, Add	10.23	
		For Elevated Installation >10' To 15', Add	3.41	
		For Elevated Installation >15' To 20', Add	6.82	
		For Elevated Installation >20' To 25', Add	8.53	
		For Elevated Installation >25' To 30', Add	11.94	
		For Elevated Installation >30' To 35', Add	13.64	
		For Elevated Installation >35' To 40', Add	17.06	
		For Elevated Installation >40', Add	18.76	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.23	
26 05 33 13-0206	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	57.43	19.49
		For Work In Restricted Working Space, Add	11.69	
		For Elevated Installation >10' To 15', Add	3.90	
		For Elevated Installation >15' To 20', Add	7.79	
		For Elevated Installation >20' To 25', Add	9.74	
		For Elevated Installation >25' To 30', Add	13.64	
		For Elevated Installation >30' To 35', Add	15.59	
		For Elevated Installation >35' To 40', Add	19.49	
		For Elevated Installation >40', Add	21.43	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.69	
26 05 33 13-0207	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	73.04	21.92
		For Work In Restricted Working Space, Add	13.16	
		For Elevated Installation >10' To 15', Add	4.39	
		For Elevated Installation >15' To 20', Add	8.77	
		For Elevated Installation >20' To 25', Add	10.96	
		For Elevated Installation >25' To 30', Add	15.35	
		For Elevated Installation >30' To 35', Add	17.54	
		For Elevated Installation >35' To 40', Add	21.93	
		For Elevated Installation >40', Add	24.12	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.16	
26 05 33 13-0208	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	99.51	24.36
		For Work In Restricted Working Space, Add	14.62	
		For Elevated Installation >10' To 15', Add	4.87	
		For Elevated Installation >15' To 20', Add	9.74	
		For Elevated Installation >20' To 25', Add	12.18	
		For Elevated Installation >25' To 30', Add	17.05	
		For Elevated Installation >30' To 35', Add	19.49	
		For Elevated Installation >35' To 40', Add	24.36	
		For Elevated Installation >40', Add	26.80	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.62	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0209 EA 5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	128.32	26.80
For Work In Restricted Working Space, Add	16.08	
For Elevated Installation >10' To 15', Add	5.36	
For Elevated Installation >15' To 20', Add	10.72	
For Elevated Installation >20' To 25', Add	13.40	
For Elevated Installation >25' To 30', Add	18.76	
For Elevated Installation >30' To 35', Add	21.44	
For Elevated Installation >35' To 40', Add	26.80	
For Elevated Installation >40', Add	29.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.08	
26 05 33 13-0210 EA 6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	176.73	29.23
For Work In Restricted Working Space, Add	17.54	
For Elevated Installation >10' To 15', Add	5.85	
For Elevated Installation >15' To 20', Add	11.69	
For Elevated Installation >20' To 25', Add	14.62	
For Elevated Installation >25' To 30', Add	20.46	
For Elevated Installation >30' To 35', Add	23.38	
For Elevated Installation >35' To 40', Add	29.23	
For Elevated Installation >40', Add	32.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.54	
26 05 33 13-0211 Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing (26 05 33 13-0059)		
26 05 33 13-0212 EA 1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	22.67	8.77
For Work In Restricted Working Space, Add	5.26	
For Elevated Installation >10' To 15', Add	1.75	
For Elevated Installation >15' To 20', Add	3.51	
For Elevated Installation >20' To 25', Add	4.39	
For Elevated Installation >25' To 30', Add	6.14	
For Elevated Installation >30' To 35', Add	7.02	
For Elevated Installation >35' To 40', Add	8.77	
For Elevated Installation >40', Add	9.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.26	
26 05 33 13-0213 EA 3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	25.35	9.75
For Work In Restricted Working Space, Add	5.85	
For Elevated Installation >10' To 15', Add	1.95	
For Elevated Installation >15' To 20', Add	3.90	
For Elevated Installation >20' To 25', Add	4.87	
For Elevated Installation >25' To 30', Add	6.82	
For Elevated Installation >30' To 35', Add	7.80	
For Elevated Installation >35' To 40', Add	9.75	
For Elevated Installation >40', Add	10.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.85	
26 05 33 13-0214 EA 1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	28.73	10.72
For Work In Restricted Working Space, Add	6.43	
For Elevated Installation >10' To 15', Add	2.14	
For Elevated Installation >15' To 20', Add	4.29	
For Elevated Installation >20' To 25', Add	5.36	
For Elevated Installation >25' To 30', Add	7.50	
For Elevated Installation >30' To 35', Add	8.57	
For Elevated Installation >35' To 40', Add	10.72	
For Elevated Installation >40', Add	11.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.43	
26 05 33 13-0215 EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	33.81	12.18
For Work In Restricted Working Space, Add	7.31	
For Elevated Installation >10' To 15', Add	2.44	
For Elevated Installation >15' To 20', Add	4.87	
For Elevated Installation >20' To 25', Add	6.09	
For Elevated Installation >25' To 30', Add	8.53	
For Elevated Installation >30' To 35', Add	9.74	
For Elevated Installation >35' To 40', Add	12.18	
For Elevated Installation >40', Add	13.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.31	
26 05 33 13-0216 EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	41.11	15.10
For Work In Restricted Working Space, Add	9.06	
For Elevated Installation >10' To 15', Add	3.02	
For Elevated Installation >15' To 20', Add	6.04	
For Elevated Installation >20' To 25', Add	7.55	
For Elevated Installation >25' To 30', Add	10.57	
For Elevated Installation >30' To 35', Add	12.08	
For Elevated Installation >35' To 40', Add	15.11	
For Elevated Installation >40', Add	16.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.06	
26 05 33 13-0217 EA 2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	51.20	18.02
For Work In Restricted Working Space, Add	10.82	
For Elevated Installation >10' To 15', Add	3.61	
For Elevated Installation >15' To 20', Add	7.21	
For Elevated Installation >20' To 25', Add	9.01	
For Elevated Installation >25' To 30', Add	12.62	
For Elevated Installation >30' To 35', Add	14.42	
For Elevated Installation >35' To 40', Add	18.03	
For Elevated Installation >40', Add	19.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.82	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0218	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	66.64	20.95
		For Work In Restricted Working Space, Add	12.57	
		For Elevated Installation >10' To 15', Add	4.19	
		For Elevated Installation >15' To 20', Add	8.38	
		For Elevated Installation >20' To 25', Add	10.48	
		For Elevated Installation >25' To 30', Add	14.67	
		For Elevated Installation >30' To 35', Add	16.76	
		For Elevated Installation >35' To 40', Add	20.95	
		For Elevated Installation >40', Add	23.05	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.57	
26 05 33 13-0219	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	74.25	24.36
		For Work In Restricted Working Space, Add	14.62	
		For Elevated Installation >10' To 15', Add	4.87	
		For Elevated Installation >15' To 20', Add	9.74	
		For Elevated Installation >20' To 25', Add	12.18	
		For Elevated Installation >25' To 30', Add	17.05	
		For Elevated Installation >30' To 35', Add	19.49	
		For Elevated Installation >35' To 40', Add	24.36	
		For Elevated Installation >40', Add	26.80	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.62	
26 05 33 13-0220	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	83.81	27.28
		For Work In Restricted Working Space, Add	16.37	
		For Elevated Installation >10' To 15', Add	5.46	
		For Elevated Installation >15' To 20', Add	10.91	
		For Elevated Installation >20' To 25', Add	13.64	
		For Elevated Installation >25' To 30', Add	19.10	
		For Elevated Installation >30' To 35', Add	21.83	
		For Elevated Installation >35' To 40', Add	27.29	
		For Elevated Installation >40', Add	30.01	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.37	
26 05 33 13-0221	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	105.16	30.21
		For Work In Restricted Working Space, Add	18.12	
		For Elevated Installation >10' To 15', Add	6.04	
		For Elevated Installation >15' To 20', Add	12.08	
		For Elevated Installation >20' To 25', Add	15.10	
		For Elevated Installation >25' To 30', Add	21.14	
		For Elevated Installation >30' To 35', Add	24.16	
		For Elevated Installation >35' To 40', Add	30.21	
		For Elevated Installation >40', Add	33.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.12	
26 05 33 13-0222	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	143.29	33.13
		For Work In Restricted Working Space, Add	19.88	
		For Elevated Installation >10' To 15', Add	6.63	
		For Elevated Installation >15' To 20', Add	13.25	
		For Elevated Installation >20' To 25', Add	16.57	
		For Elevated Installation >25' To 30', Add	23.19	
		For Elevated Installation >30' To 35', Add	26.50	
		For Elevated Installation >35' To 40', Add	33.13	
		For Elevated Installation >40', Add	36.44	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.88	
26 05 33 13-0223	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	191.82	36.54
		For Work In Restricted Working Space, Add	21.92	
		For Elevated Installation >10' To 15', Add	7.31	
		For Elevated Installation >15' To 20', Add	14.62	
		For Elevated Installation >20' To 25', Add	18.27	
		For Elevated Installation >25' To 30', Add	25.58	
		For Elevated Installation >30' To 35', Add	29.23	
		For Elevated Installation >35' To 40', Add	36.54	
		For Elevated Installation >40', Add	40.19	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.92	
26 05 33 13-0224		Rigid Galvanized Steel (RGS) Box Connectors With Set Screw (26 05 33 13-0059)		
26 05 33 13-0225	EA	1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	14.95	4.48
		For Work In Restricted Working Space, Add	3.34	
		For Elevated Installation >10' To 15', Add	1.11	
		For Elevated Installation >15' To 20', Add	2.22	
		For Elevated Installation >20' To 25', Add	2.78	
		For Elevated Installation >25' To 30', Add	3.89	
		For Elevated Installation >30' To 35', Add	4.45	
		For Elevated Installation >35' To 40', Add	5.56	
		For Elevated Installation >40', Add	6.12	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.34	
26 05 33 13-0226	EA	3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	18.19	5.16
		For Work In Restricted Working Space, Add	3.86	
		For Elevated Installation >10' To 15', Add	1.29	
		For Elevated Installation >15' To 20', Add	2.57	
		For Elevated Installation >20' To 25', Add	3.22	
		For Elevated Installation >25' To 30', Add	4.50	
		For Elevated Installation >30' To 35', Add	5.15	
		For Elevated Installation >35' To 40', Add	6.44	
		For Elevated Installation >40', Add	7.08	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.86	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0227	EA		1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	24.00	6.24
			For Work In Restricted Working Space, Add	4.66	
			For Elevated Installation >10' To 15', Add	1.55	
			For Elevated Installation >15' To 20', Add	3.10	
			For Elevated Installation >20' To 25', Add	3.88	
			For Elevated Installation >25' To 30', Add	5.43	
			For Elevated Installation >30' To 35', Add	6.21	
			For Elevated Installation >35' To 40', Add	7.76	
			For Elevated Installation >40', Add	8.54	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.66	
26 05 33 13-0228	EA		1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	35.93	7.70
			For Work In Restricted Working Space, Add	5.79	
			For Elevated Installation >10' To 15', Add	1.93	
			For Elevated Installation >15' To 20', Add	3.86	
			For Elevated Installation >20' To 25', Add	4.83	
			For Elevated Installation >25' To 30', Add	6.76	
			For Elevated Installation >30' To 35', Add	7.72	
			For Elevated Installation >35' To 40', Add	9.66	
			For Elevated Installation >40', Add	10.62	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 05 33 13-0229	EA		1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	48.67	10.33
			For Work In Restricted Working Space, Add	7.75	
			For Elevated Installation >10' To 15', Add	2.58	
			For Elevated Installation >15' To 20', Add	5.17	
			For Elevated Installation >20' To 25', Add	6.46	
			For Elevated Installation >25' To 30', Add	9.04	
			For Elevated Installation >30' To 35', Add	10.34	
			For Elevated Installation >35' To 40', Add	12.92	
			For Elevated Installation >40', Add	14.21	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.75	
26 05 33 13-0230	EA		2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	83.47	15.49
			For Work In Restricted Working Space, Add	11.61	
			For Elevated Installation >10' To 15', Add	3.87	
			For Elevated Installation >15' To 20', Add	7.74	
			For Elevated Installation >20' To 25', Add	9.68	
			For Elevated Installation >25' To 30', Add	13.55	
			For Elevated Installation >30' To 35', Add	15.48	
			For Elevated Installation >35' To 40', Add	19.36	
			For Elevated Installation >40', Add	21.29	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.61	
26 05 33 13-0231	EA		2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	153.63	17.15
			For Work In Restricted Working Space, Add	12.86	
			For Elevated Installation >10' To 15', Add	4.29	
			For Elevated Installation >15' To 20', Add	8.57	
			For Elevated Installation >20' To 25', Add	10.72	
			For Elevated Installation >25' To 30', Add	15.00	
			For Elevated Installation >30' To 35', Add	17.15	
			For Elevated Installation >35' To 40', Add	21.44	
			For Elevated Installation >40', Add	23.58	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.86	
26 05 33 13-0232	EA		3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	183.03	20.75
			For Work In Restricted Working Space, Add	15.58	
			For Elevated Installation >10' To 15', Add	5.19	
			For Elevated Installation >15' To 20', Add	10.39	
			For Elevated Installation >20' To 25', Add	12.98	
			For Elevated Installation >25' To 30', Add	18.18	
			For Elevated Installation >30' To 35', Add	20.77	
			For Elevated Installation >35' To 40', Add	25.97	
			For Elevated Installation >40', Add	28.56	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.58	
26 05 33 13-0233	EA		3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	248.10	26.02
			For Work In Restricted Working Space, Add	19.50	
			For Elevated Installation >10' To 15', Add	6.50	
			For Elevated Installation >15' To 20', Add	13.00	
			For Elevated Installation >20' To 25', Add	16.25	
			For Elevated Installation >25' To 30', Add	22.75	
			For Elevated Installation >30' To 35', Add	26.00	
			For Elevated Installation >35' To 40', Add	32.51	
			For Elevated Installation >40', Add	35.76	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.50	
26 05 33 13-0234	EA		4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	290.43	31.18
			For Work In Restricted Working Space, Add	23.39	
			For Elevated Installation >10' To 15', Add	7.80	
			For Elevated Installation >15' To 20', Add	15.59	
			For Elevated Installation >20' To 25', Add	19.49	
			For Elevated Installation >25' To 30', Add	27.28	
			For Elevated Installation >30' To 35', Add	31.18	
			For Elevated Installation >35' To 40', Add	38.98	
			For Elevated Installation >40', Add	42.87	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.39	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0235	EA	5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	516.09	34.69
		For Work In Restricted Working Space, Add	25.99	
		For Elevated Installation >10' To 15', Add	8.66	
		For Elevated Installation >15' To 20', Add	17.32	
		For Elevated Installation >20' To 25', Add	21.66	
		For Elevated Installation >25' To 30', Add	30.32	
		For Elevated Installation >30' To 35', Add	34.65	
		For Elevated Installation >35' To 40', Add	43.31	
		For Elevated Installation >40', Add	47.64	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.99	
26 05 33 13-0236	EA	6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	617.31	38.97
		For Work In Restricted Working Space, Add	29.23	
		For Elevated Installation >10' To 15', Add	9.74	
		For Elevated Installation >15' To 20', Add	19.48	
		For Elevated Installation >20' To 25', Add	24.36	
		For Elevated Installation >25' To 30', Add	34.10	
		For Elevated Installation >30' To 35', Add	38.97	
		For Elevated Installation >35' To 40', Add	48.71	
		For Elevated Installation >40', Add	53.58	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.23	
26 05 33 13-0237 Rigid Galvanized Steel (RGS) Nipples (26 05 33 13-0059)				
26 05 33 13-0238	EA	1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	13.72	6.34
		For Work In Restricted Working Space, Add	3.80	
		For Elevated Installation >10' To 15', Add	1.27	
		For Elevated Installation >15' To 20', Add	2.53	
		For Elevated Installation >20' To 25', Add	3.17	
		For Elevated Installation >25' To 30', Add	4.43	
		For Elevated Installation >30' To 35', Add	5.07	
		For Elevated Installation >35' To 40', Add	6.34	
		For Elevated Installation >40', Add	6.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.80	
26 05 33 13-0239	EA	3/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	15.79	7.31
		For Work In Restricted Working Space, Add	4.38	
		For Elevated Installation >10' To 15', Add	1.46	
		For Elevated Installation >15' To 20', Add	2.92	
		For Elevated Installation >20' To 25', Add	3.65	
		For Elevated Installation >25' To 30', Add	5.11	
		For Elevated Installation >30' To 35', Add	5.84	
		For Elevated Installation >35' To 40', Add	7.31	
		For Elevated Installation >40', Add	8.04	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.38	
26 05 33 13-0240	EA	1" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	20.16	9.26
		For Work In Restricted Working Space, Add	5.55	
		For Elevated Installation >10' To 15', Add	1.85	
		For Elevated Installation >15' To 20', Add	3.70	
		For Elevated Installation >20' To 25', Add	4.63	
		For Elevated Installation >25' To 30', Add	6.48	
		For Elevated Installation >30' To 35', Add	7.40	
		For Elevated Installation >35' To 40', Add	9.26	
		For Elevated Installation >40', Add	10.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.55	
26 05 33 13-0241	EA	1-1/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	23.52	10.72
		For Work In Restricted Working Space, Add	6.43	
		For Elevated Installation >10' To 15', Add	2.14	
		For Elevated Installation >15' To 20', Add	4.29	
		For Elevated Installation >20' To 25', Add	5.36	
		For Elevated Installation >25' To 30', Add	7.50	
		For Elevated Installation >30' To 35', Add	8.57	
		For Elevated Installation >35' To 40', Add	10.72	
		For Elevated Installation >40', Add	11.79	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.43	
26 05 33 13-0242	EA	1-1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	26.84	12.18
		For Work In Restricted Working Space, Add	7.31	
		For Elevated Installation >10' To 15', Add	2.44	
		For Elevated Installation >15' To 20', Add	4.87	
		For Elevated Installation >20' To 25', Add	6.09	
		For Elevated Installation >25' To 30', Add	8.53	
		For Elevated Installation >30' To 35', Add	9.74	
		For Elevated Installation >35' To 40', Add	12.18	
		For Elevated Installation >40', Add	13.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.31	
26 05 33 13-0243	EA	1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	13.80	6.34
		For Work In Restricted Working Space, Add	3.80	
		For Elevated Installation >10' To 15', Add	1.27	
		For Elevated Installation >15' To 20', Add	2.53	
		For Elevated Installation >20' To 25', Add	3.17	
		For Elevated Installation >25' To 30', Add	4.43	
		For Elevated Installation >30' To 35', Add	5.07	
		For Elevated Installation >35' To 40', Add	6.34	
		For Elevated Installation >40', Add	6.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.80	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0244	EA	3/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	15.92	7.31
		For Work In Restricted Working Space, Add	4.38	
		For Elevated Installation >10' To 15', Add	1.46	
		For Elevated Installation >15' To 20', Add	2.92	
		For Elevated Installation >20' To 25', Add	3.65	
		For Elevated Installation >25' To 30', Add	5.11	
		For Elevated Installation >30' To 35', Add	5.84	
		For Elevated Installation >35' To 40', Add	7.31	
		For Elevated Installation >40', Add	8.04	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.38	
26 05 33 13-0245	EA	1" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	20.30	9.26
		For Work In Restricted Working Space, Add	5.55	
		For Elevated Installation >10' To 15', Add	1.85	
		For Elevated Installation >15' To 20', Add	3.70	
		For Elevated Installation >20' To 25', Add	4.63	
		For Elevated Installation >25' To 30', Add	6.48	
		For Elevated Installation >30' To 35', Add	7.40	
		For Elevated Installation >35' To 40', Add	9.26	
		For Elevated Installation >40', Add	10.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.55	
26 05 33 13-0246	EA	1-1/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	23.72	10.72
		For Work In Restricted Working Space, Add	6.43	
		For Elevated Installation >10' To 15', Add	2.14	
		For Elevated Installation >15' To 20', Add	4.29	
		For Elevated Installation >20' To 25', Add	5.36	
		For Elevated Installation >25' To 30', Add	7.50	
		For Elevated Installation >30' To 35', Add	8.57	
		For Elevated Installation >35' To 40', Add	10.72	
		For Elevated Installation >40', Add	11.79	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.43	
26 05 33 13-0247	EA	1-1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	27.16	12.18
		For Work In Restricted Working Space, Add	7.31	
		For Elevated Installation >10' To 15', Add	2.44	
		For Elevated Installation >15' To 20', Add	4.87	
		For Elevated Installation >20' To 25', Add	6.09	
		For Elevated Installation >25' To 30', Add	8.53	
		For Elevated Installation >30' To 35', Add	9.74	
		For Elevated Installation >35' To 40', Add	12.18	
		For Elevated Installation >40', Add	13.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.31	
26 05 33 13-0248	EA	2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	30.66	13.64
		For Work In Restricted Working Space, Add	8.18	
		For Elevated Installation >10' To 15', Add	2.73	
		For Elevated Installation >15' To 20', Add	5.46	
		For Elevated Installation >20' To 25', Add	6.82	
		For Elevated Installation >25' To 30', Add	9.55	
		For Elevated Installation >30' To 35', Add	10.91	
		For Elevated Installation >35' To 40', Add	13.64	
		For Elevated Installation >40', Add	15.00	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.18	
26 05 33 13-0249	EA	1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	13.89	6.34
		For Work In Restricted Working Space, Add	3.80	
		For Elevated Installation >10' To 15', Add	1.27	
		For Elevated Installation >15' To 20', Add	2.53	
		For Elevated Installation >20' To 25', Add	3.17	
		For Elevated Installation >25' To 30', Add	4.43	
		For Elevated Installation >30' To 35', Add	5.07	
		For Elevated Installation >35' To 40', Add	6.34	
		For Elevated Installation >40', Add	6.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.80	
26 05 33 13-0250	EA	3/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	16.04	7.31
		For Work In Restricted Working Space, Add	4.38	
		For Elevated Installation >10' To 15', Add	1.46	
		For Elevated Installation >15' To 20', Add	2.92	
		For Elevated Installation >20' To 25', Add	3.65	
		For Elevated Installation >25' To 30', Add	5.11	
		For Elevated Installation >30' To 35', Add	5.84	
		For Elevated Installation >35' To 40', Add	7.31	
		For Elevated Installation >40', Add	8.04	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.38	
26 05 33 13-0251	EA	1" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	20.51	9.26
		For Work In Restricted Working Space, Add	5.55	
		For Elevated Installation >10' To 15', Add	1.85	
		For Elevated Installation >15' To 20', Add	3.70	
		For Elevated Installation >20' To 25', Add	4.63	
		For Elevated Installation >25' To 30', Add	6.48	
		For Elevated Installation >30' To 35', Add	7.40	
		For Elevated Installation >35' To 40', Add	9.26	
		For Elevated Installation >40', Add	10.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.55	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0252	EA	1-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	23.90	10.72
		For Work In Restricted Working Space, Add	6.43	
		For Elevated Installation >10' To 15', Add	2.14	
		For Elevated Installation >15' To 20', Add	4.29	
		For Elevated Installation >20' To 25', Add	5.36	
		For Elevated Installation >25' To 30', Add	7.50	
		For Elevated Installation >30' To 35', Add	8.57	
		For Elevated Installation >35' To 40', Add	10.72	
		For Elevated Installation >40', Add	11.79	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.43	
26 05 33 13-0253	EA	1-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	27.38	12.18
		For Work In Restricted Working Space, Add	7.31	
		For Elevated Installation >10' To 15', Add	2.44	
		For Elevated Installation >15' To 20', Add	4.87	
		For Elevated Installation >20' To 25', Add	6.09	
		For Elevated Installation >25' To 30', Add	8.53	
		For Elevated Installation >30' To 35', Add	9.74	
		For Elevated Installation >35' To 40', Add	12.18	
		For Elevated Installation >40', Add	13.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.31	
26 05 33 13-0254	EA	2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	31.19	13.64
		For Work In Restricted Working Space, Add	8.18	
		For Elevated Installation >10' To 15', Add	2.73	
		For Elevated Installation >15' To 20', Add	5.46	
		For Elevated Installation >20' To 25', Add	6.82	
		For Elevated Installation >25' To 30', Add	9.55	
		For Elevated Installation >30' To 35', Add	10.91	
		For Elevated Installation >35' To 40', Add	13.64	
		For Elevated Installation >40', Add	15.00	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.18	
26 05 33 13-0255	EA	2-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	41.21	16.57
		For Work In Restricted Working Space, Add	9.94	
		For Elevated Installation >10' To 15', Add	3.31	
		For Elevated Installation >15' To 20', Add	6.63	
		For Elevated Installation >20' To 25', Add	8.28	
		For Elevated Installation >25' To 30', Add	11.60	
		For Elevated Installation >30' To 35', Add	13.25	
		For Elevated Installation >35' To 40', Add	16.57	
		For Elevated Installation >40', Add	18.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.94	
26 05 33 13-0256	EA	3" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	55.72	22.90
		For Work In Restricted Working Space, Add	13.74	
		For Elevated Installation >10' To 15', Add	4.58	
		For Elevated Installation >15' To 20', Add	9.16	
		For Elevated Installation >20' To 25', Add	11.45	
		For Elevated Installation >25' To 30', Add	16.03	
		For Elevated Installation >30' To 35', Add	18.32	
		For Elevated Installation >35' To 40', Add	22.90	
		For Elevated Installation >40', Add	25.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.74	
26 05 33 13-0257	EA	1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	14.01	6.34
		For Work In Restricted Working Space, Add	3.80	
		For Elevated Installation >10' To 15', Add	1.27	
		For Elevated Installation >15' To 20', Add	2.53	
		For Elevated Installation >20' To 25', Add	3.17	
		For Elevated Installation >25' To 30', Add	4.43	
		For Elevated Installation >30' To 35', Add	5.07	
		For Elevated Installation >35' To 40', Add	6.34	
		For Elevated Installation >40', Add	6.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.80	
26 05 33 13-0258	EA	3/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	16.10	7.31
		For Work In Restricted Working Space, Add	4.38	
		For Elevated Installation >10' To 15', Add	1.46	
		For Elevated Installation >15' To 20', Add	2.92	
		For Elevated Installation >20' To 25', Add	3.65	
		For Elevated Installation >25' To 30', Add	5.11	
		For Elevated Installation >30' To 35', Add	5.84	
		For Elevated Installation >35' To 40', Add	7.31	
		For Elevated Installation >40', Add	8.04	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.38	
26 05 33 13-0259	EA	1" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	20.77	9.26
		For Work In Restricted Working Space, Add	5.55	
		For Elevated Installation >10' To 15', Add	1.85	
		For Elevated Installation >15' To 20', Add	3.70	
		For Elevated Installation >20' To 25', Add	4.63	
		For Elevated Installation >25' To 30', Add	6.48	
		For Elevated Installation >30' To 35', Add	7.40	
		For Elevated Installation >35' To 40', Add	9.26	
		For Elevated Installation >40', Add	10.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.55	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0260	EA	1-1/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	24.24	10.72
		For Work In Restricted Working Space, Add	6.43	
		For Elevated Installation >10' To 15', Add	2.14	
		For Elevated Installation >15' To 20', Add	4.29	
		For Elevated Installation >20' To 25', Add	5.36	
		For Elevated Installation >25' To 30', Add	7.50	
		For Elevated Installation >30' To 35', Add	8.57	
		For Elevated Installation >35' To 40', Add	10.72	
		For Elevated Installation >40', Add	11.79	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.43	
26 05 33 13-0261	EA	1-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	27.82	12.18
		For Work In Restricted Working Space, Add	7.31	
		For Elevated Installation >10' To 15', Add	2.44	
		For Elevated Installation >15' To 20', Add	4.87	
		For Elevated Installation >20' To 25', Add	6.09	
		For Elevated Installation >25' To 30', Add	8.53	
		For Elevated Installation >30' To 35', Add	9.74	
		For Elevated Installation >35' To 40', Add	12.18	
		For Elevated Installation >40', Add	13.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.31	
26 05 33 13-0262	EA	2" x 3-1/2" Long, Rigid Galvanized Steel (RGS), Nipple	31.74	13.64
		For Work In Restricted Working Space, Add	8.18	
		For Elevated Installation >10' To 15', Add	2.73	
		For Elevated Installation >15' To 20', Add	5.46	
		For Elevated Installation >20' To 25', Add	6.82	
		For Elevated Installation >25' To 30', Add	9.55	
		For Elevated Installation >30' To 35', Add	10.91	
		For Elevated Installation >35' To 40', Add	13.64	
		For Elevated Installation >40', Add	15.00	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.18	
26 05 33 13-0263	EA	2-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	42.68	16.57
		For Work In Restricted Working Space, Add	9.94	
		For Elevated Installation >10' To 15', Add	3.31	
		For Elevated Installation >15' To 20', Add	6.63	
		For Elevated Installation >20' To 25', Add	8.28	
		For Elevated Installation >25' To 30', Add	11.60	
		For Elevated Installation >30' To 35', Add	13.25	
		For Elevated Installation >35' To 40', Add	16.57	
		For Elevated Installation >40', Add	18.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.94	
26 05 33 13-0264	EA	3" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	57.00	22.90
		For Work In Restricted Working Space, Add	13.74	
		For Elevated Installation >10' To 15', Add	4.58	
		For Elevated Installation >15' To 20', Add	9.16	
		For Elevated Installation >20' To 25', Add	11.45	
		For Elevated Installation >25' To 30', Add	16.03	
		For Elevated Installation >30' To 35', Add	18.32	
		For Elevated Installation >35' To 40', Add	22.90	
		For Elevated Installation >40', Add	25.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.74	
26 05 33 13-0265	EA	1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	14.12	6.34
		For Work In Restricted Working Space, Add	3.80	
		For Elevated Installation >10' To 15', Add	1.27	
		For Elevated Installation >15' To 20', Add	2.53	
		For Elevated Installation >20' To 25', Add	3.17	
		For Elevated Installation >25' To 30', Add	4.43	
		For Elevated Installation >30' To 35', Add	5.07	
		For Elevated Installation >35' To 40', Add	6.34	
		For Elevated Installation >40', Add	6.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.80	
26 05 33 13-0266	EA	3/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	16.30	7.31
		For Work In Restricted Working Space, Add	4.38	
		For Elevated Installation >10' To 15', Add	1.46	
		For Elevated Installation >15' To 20', Add	2.92	
		For Elevated Installation >20' To 25', Add	3.65	
		For Elevated Installation >25' To 30', Add	5.11	
		For Elevated Installation >30' To 35', Add	5.84	
		For Elevated Installation >35' To 40', Add	7.31	
		For Elevated Installation >40', Add	8.04	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.38	
26 05 33 13-0267	EA	1" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	20.94	9.26
		For Work In Restricted Working Space, Add	5.55	
		For Elevated Installation >10' To 15', Add	1.85	
		For Elevated Installation >15' To 20', Add	3.70	
		For Elevated Installation >20' To 25', Add	4.63	
		For Elevated Installation >25' To 30', Add	6.48	
		For Elevated Installation >30' To 35', Add	7.40	
		For Elevated Installation >35' To 40', Add	9.26	
		For Elevated Installation >40', Add	10.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.55	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0268	EA	1-1/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	24.41	10.72
		For Work In Restricted Working Space, Add	6.43	
		For Elevated Installation >10' To 15', Add	2.14	
		For Elevated Installation >15' To 20', Add	4.29	
		For Elevated Installation >20' To 25', Add	5.36	
		For Elevated Installation >25' To 30', Add	7.50	
		For Elevated Installation >30' To 35', Add	8.57	
		For Elevated Installation >35' To 40', Add	10.72	
		For Elevated Installation >40', Add	11.79	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.43	
26 05 33 13-0269	EA	1-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	28.13	12.18
		For Work In Restricted Working Space, Add	7.31	
		For Elevated Installation >10' To 15', Add	2.44	
		For Elevated Installation >15' To 20', Add	4.87	
		For Elevated Installation >20' To 25', Add	6.09	
		For Elevated Installation >25' To 30', Add	8.53	
		For Elevated Installation >30' To 35', Add	9.74	
		For Elevated Installation >35' To 40', Add	12.18	
		For Elevated Installation >40', Add	13.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.31	
26 05 33 13-0270	EA	2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	32.20	13.64
		For Work In Restricted Working Space, Add	8.18	
		For Elevated Installation >10' To 15', Add	2.73	
		For Elevated Installation >15' To 20', Add	5.46	
		For Elevated Installation >20' To 25', Add	6.82	
		For Elevated Installation >25' To 30', Add	9.55	
		For Elevated Installation >30' To 35', Add	10.91	
		For Elevated Installation >35' To 40', Add	13.64	
		For Elevated Installation >40', Add	15.00	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.18	
26 05 33 13-0271	EA	2-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	43.13	16.57
		For Work In Restricted Working Space, Add	9.94	
		For Elevated Installation >10' To 15', Add	3.31	
		For Elevated Installation >15' To 20', Add	6.63	
		For Elevated Installation >20' To 25', Add	8.28	
		For Elevated Installation >25' To 30', Add	11.60	
		For Elevated Installation >30' To 35', Add	13.25	
		For Elevated Installation >35' To 40', Add	16.57	
		For Elevated Installation >40', Add	18.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.94	
26 05 33 13-0272	EA	3" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	57.94	22.90
		For Work In Restricted Working Space, Add	13.74	
		For Elevated Installation >10' To 15', Add	4.58	
		For Elevated Installation >15' To 20', Add	9.16	
		For Elevated Installation >20' To 25', Add	11.45	
		For Elevated Installation >25' To 30', Add	16.03	
		For Elevated Installation >30' To 35', Add	18.32	
		For Elevated Installation >35' To 40', Add	22.90	
		For Elevated Installation >40', Add	25.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.74	
26 05 33 13-0273	EA	3-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	66.43	25.82
		For Work In Restricted Working Space, Add	15.49	
		For Elevated Installation >10' To 15', Add	5.16	
		For Elevated Installation >15' To 20', Add	10.33	
		For Elevated Installation >20' To 25', Add	12.91	
		For Elevated Installation >25' To 30', Add	18.07	
		For Elevated Installation >30' To 35', Add	20.66	
		For Elevated Installation >35' To 40', Add	25.82	
		For Elevated Installation >40', Add	28.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.49	
26 05 33 13-0274	EA	4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	83.82	33.62
		For Work In Restricted Working Space, Add	20.17	
		For Elevated Installation >10' To 15', Add	6.72	
		For Elevated Installation >15' To 20', Add	13.44	
		For Elevated Installation >20' To 25', Add	16.81	
		For Elevated Installation >25' To 30', Add	23.53	
		For Elevated Installation >30' To 35', Add	26.89	
		For Elevated Installation >35' To 40', Add	33.61	
		For Elevated Installation >40', Add	36.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.17	
26 05 33 13-0275	EA	1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	14.30	6.34
		For Work In Restricted Working Space, Add	3.80	
		For Elevated Installation >10' To 15', Add	1.27	
		For Elevated Installation >15' To 20', Add	2.53	
		For Elevated Installation >20' To 25', Add	3.17	
		For Elevated Installation >25' To 30', Add	4.43	
		For Elevated Installation >30' To 35', Add	5.07	
		For Elevated Installation >35' To 40', Add	6.34	
		For Elevated Installation >40', Add	6.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.80	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0276	EA	3/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	16.56	7.31
		For Work In Restricted Working Space, Add	4.38	
		For Elevated Installation >10' To 15', Add	1.46	
		For Elevated Installation >15' To 20', Add	2.92	
		For Elevated Installation >20' To 25', Add	3.65	
		For Elevated Installation >25' To 30', Add	5.11	
		For Elevated Installation >30' To 35', Add	5.84	
		For Elevated Installation >35' To 40', Add	7.31	
		For Elevated Installation >40', Add	8.04	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.38	
26 05 33 13-0277	EA	1" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	21.26	9.26
		For Work In Restricted Working Space, Add	5.55	
		For Elevated Installation >10' To 15', Add	1.85	
		For Elevated Installation >15' To 20', Add	3.70	
		For Elevated Installation >20' To 25', Add	4.63	
		For Elevated Installation >25' To 30', Add	6.48	
		For Elevated Installation >30' To 35', Add	7.40	
		For Elevated Installation >35' To 40', Add	9.26	
		For Elevated Installation >40', Add	10.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.55	
26 05 33 13-0278	EA	1-1/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	24.88	10.72
		For Work In Restricted Working Space, Add	6.43	
		For Elevated Installation >10' To 15', Add	2.14	
		For Elevated Installation >15' To 20', Add	4.29	
		For Elevated Installation >20' To 25', Add	5.36	
		For Elevated Installation >25' To 30', Add	7.50	
		For Elevated Installation >30' To 35', Add	8.57	
		For Elevated Installation >35' To 40', Add	10.72	
		For Elevated Installation >40', Add	11.79	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.43	
26 05 33 13-0279	EA	1-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	28.59	12.18
		For Work In Restricted Working Space, Add	7.31	
		For Elevated Installation >10' To 15', Add	2.44	
		For Elevated Installation >15' To 20', Add	4.87	
		For Elevated Installation >20' To 25', Add	6.09	
		For Elevated Installation >25' To 30', Add	8.53	
		For Elevated Installation >30' To 35', Add	9.74	
		For Elevated Installation >35' To 40', Add	12.18	
		For Elevated Installation >40', Add	13.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.31	
26 05 33 13-0280	EA	2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	33.02	13.64
		For Work In Restricted Working Space, Add	8.18	
		For Elevated Installation >10' To 15', Add	2.73	
		For Elevated Installation >15' To 20', Add	5.46	
		For Elevated Installation >20' To 25', Add	6.82	
		For Elevated Installation >25' To 30', Add	9.55	
		For Elevated Installation >30' To 35', Add	10.91	
		For Elevated Installation >35' To 40', Add	13.64	
		For Elevated Installation >40', Add	15.00	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.18	
26 05 33 13-0281	EA	2-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	44.95	16.57
		For Work In Restricted Working Space, Add	9.94	
		For Elevated Installation >10' To 15', Add	3.31	
		For Elevated Installation >15' To 20', Add	6.63	
		For Elevated Installation >20' To 25', Add	8.28	
		For Elevated Installation >25' To 30', Add	11.60	
		For Elevated Installation >30' To 35', Add	13.25	
		For Elevated Installation >35' To 40', Add	16.57	
		For Elevated Installation >40', Add	18.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.94	
26 05 33 13-0282	EA	3" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	59.91	22.90
		For Work In Restricted Working Space, Add	13.74	
		For Elevated Installation >10' To 15', Add	4.58	
		For Elevated Installation >15' To 20', Add	9.16	
		For Elevated Installation >20' To 25', Add	11.45	
		For Elevated Installation >25' To 30', Add	16.03	
		For Elevated Installation >30' To 35', Add	18.32	
		For Elevated Installation >35' To 40', Add	22.90	
		For Elevated Installation >40', Add	25.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.74	
26 05 33 13-0283	EA	3-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	68.39	25.82
		For Work In Restricted Working Space, Add	15.49	
		For Elevated Installation >10' To 15', Add	5.16	
		For Elevated Installation >15' To 20', Add	10.33	
		For Elevated Installation >20' To 25', Add	12.91	
		For Elevated Installation >25' To 30', Add	18.07	
		For Elevated Installation >30' To 35', Add	20.66	
		For Elevated Installation >35' To 40', Add	25.82	
		For Elevated Installation >40', Add	28.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.49	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0284	EA	4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	86.69	33.62
		For Work In Restricted Working Space, Add	20.17	
		For Elevated Installation >10' To 15', Add	6.72	
		For Elevated Installation >15' To 20', Add	13.44	
		For Elevated Installation >20' To 25', Add	16.81	
		For Elevated Installation >25' To 30', Add	23.53	
		For Elevated Installation >30' To 35', Add	26.89	
		For Elevated Installation >35' To 40', Add	33.61	
		For Elevated Installation >40', Add	36.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.17	
26 05 33 13-0285	EA	5" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	130.35	46.28
		For Work In Restricted Working Space, Add	27.77	
		For Elevated Installation >10' To 15', Add	9.26	
		For Elevated Installation >15' To 20', Add	18.51	
		For Elevated Installation >20' To 25', Add	23.14	
		For Elevated Installation >25' To 30', Add	32.40	
		For Elevated Installation >30' To 35', Add	37.02	
		For Elevated Installation >35' To 40', Add	46.28	
		For Elevated Installation >40', Add	50.91	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.77	
26 05 33 13-0286	EA	6" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	165.84	59.34
		For Work In Restricted Working Space, Add	35.63	
		For Elevated Installation >10' To 15', Add	11.88	
		For Elevated Installation >15' To 20', Add	23.75	
		For Elevated Installation >20' To 25', Add	29.69	
		For Elevated Installation >25' To 30', Add	41.56	
		For Elevated Installation >30' To 35', Add	47.50	
		For Elevated Installation >35' To 40', Add	59.38	
		For Elevated Installation >40', Add	65.31	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.63	
26 05 33 13-0287	EA	1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	14.61	6.34
		For Work In Restricted Working Space, Add	3.80	
		For Elevated Installation >10' To 15', Add	1.27	
		For Elevated Installation >15' To 20', Add	2.53	
		For Elevated Installation >20' To 25', Add	3.17	
		For Elevated Installation >25' To 30', Add	4.43	
		For Elevated Installation >30' To 35', Add	5.07	
		For Elevated Installation >35' To 40', Add	6.34	
		For Elevated Installation >40', Add	6.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.80	
26 05 33 13-0288	EA	3/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	16.88	7.31
		For Work In Restricted Working Space, Add	4.38	
		For Elevated Installation >10' To 15', Add	1.46	
		For Elevated Installation >15' To 20', Add	2.92	
		For Elevated Installation >20' To 25', Add	3.65	
		For Elevated Installation >25' To 30', Add	5.11	
		For Elevated Installation >30' To 35', Add	5.64	
		For Elevated Installation >35' To 40', Add	7.31	
		For Elevated Installation >40', Add	8.04	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.38	
26 05 33 13-0289	EA	1" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	21.52	9.26
		For Work In Restricted Working Space, Add	5.55	
		For Elevated Installation >10' To 15', Add	1.85	
		For Elevated Installation >15' To 20', Add	3.70	
		For Elevated Installation >20' To 25', Add	4.63	
		For Elevated Installation >25' To 30', Add	6.48	
		For Elevated Installation >30' To 35', Add	7.40	
		For Elevated Installation >35' To 40', Add	9.26	
		For Elevated Installation >40', Add	10.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.55	
26 05 33 13-0290	EA	1-1/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	25.31	10.72
		For Work In Restricted Working Space, Add	6.43	
		For Elevated Installation >10' To 15', Add	2.14	
		For Elevated Installation >15' To 20', Add	4.29	
		For Elevated Installation >20' To 25', Add	5.36	
		For Elevated Installation >25' To 30', Add	7.50	
		For Elevated Installation >30' To 35', Add	8.57	
		For Elevated Installation >35' To 40', Add	10.72	
		For Elevated Installation >40', Add	11.79	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.43	
26 05 33 13-0291	EA	1-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	29.56	12.18
		For Work In Restricted Working Space, Add	7.31	
		For Elevated Installation >10' To 15', Add	2.44	
		For Elevated Installation >15' To 20', Add	4.87	
		For Elevated Installation >20' To 25', Add	6.09	
		For Elevated Installation >25' To 30', Add	8.53	
		For Elevated Installation >30' To 35', Add	9.74	
		For Elevated Installation >35' To 40', Add	12.18	
		For Elevated Installation >40', Add	13.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.31	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0292 EA 2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	33.84	13.64
For Work In Restricted Working Space, Add	8.18	
For Elevated Installation >10' To 15', Add	2.73	
For Elevated Installation >15' To 20', Add	5.46	
For Elevated Installation >20' To 25', Add	6.82	
For Elevated Installation >25' To 30', Add	9.55	
For Elevated Installation >30' To 35', Add	10.91	
For Elevated Installation >35' To 40', Add	13.64	
For Elevated Installation >40', Add	15.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.18	
26 05 33 13-0293 EA 2-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	46.55	16.57
For Work In Restricted Working Space, Add	9.94	
For Elevated Installation >10' To 15', Add	3.31	
For Elevated Installation >15' To 20', Add	6.63	
For Elevated Installation >20' To 25', Add	8.28	
For Elevated Installation >25' To 30', Add	11.60	
For Elevated Installation >30' To 35', Add	13.25	
For Elevated Installation >35' To 40', Add	16.57	
For Elevated Installation >40', Add	18.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.94	
26 05 33 13-0294 EA 3" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	61.92	22.90
For Work In Restricted Working Space, Add	13.74	
For Elevated Installation >10' To 15', Add	4.58	
For Elevated Installation >15' To 20', Add	9.16	
For Elevated Installation >20' To 25', Add	11.45	
For Elevated Installation >25' To 30', Add	16.03	
For Elevated Installation >30' To 35', Add	18.32	
For Elevated Installation >35' To 40', Add	22.90	
For Elevated Installation >40', Add	25.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.74	
26 05 33 13-0295 EA 3-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	70.78	25.82
For Work In Restricted Working Space, Add	15.49	
For Elevated Installation >10' To 15', Add	5.16	
For Elevated Installation >15' To 20', Add	10.33	
For Elevated Installation >20' To 25', Add	12.91	
For Elevated Installation >25' To 30', Add	18.07	
For Elevated Installation >30' To 35', Add	20.66	
For Elevated Installation >35' To 40', Add	25.82	
For Elevated Installation >40', Add	28.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.49	
26 05 33 13-0296 EA 4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	88.96	33.62
For Work In Restricted Working Space, Add	20.17	
For Elevated Installation >10' To 15', Add	6.72	
For Elevated Installation >15' To 20', Add	13.44	
For Elevated Installation >20' To 25', Add	16.81	
For Elevated Installation >25' To 30', Add	23.53	
For Elevated Installation >30' To 35', Add	26.89	
For Elevated Installation >35' To 40', Add	33.61	
For Elevated Installation >40', Add	36.97	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.17	
26 05 33 13-0297 EA 5" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	133.68	46.28
For Work In Restricted Working Space, Add	27.77	
For Elevated Installation >10' To 15', Add	9.26	
For Elevated Installation >15' To 20', Add	18.51	
For Elevated Installation >20' To 25', Add	23.14	
For Elevated Installation >25' To 30', Add	32.40	
For Elevated Installation >30' To 35', Add	37.02	
For Elevated Installation >35' To 40', Add	46.28	
For Elevated Installation >40', Add	50.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.77	
26 05 33 13-0298 EA 6" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	170.72	59.34
For Work In Restricted Working Space, Add	35.63	
For Elevated Installation >10' To 15', Add	11.88	
For Elevated Installation >15' To 20', Add	23.75	
For Elevated Installation >20' To 25', Add	29.69	
For Elevated Installation >25' To 30', Add	41.56	
For Elevated Installation >30' To 35', Add	47.50	
For Elevated Installation >35' To 40', Add	59.38	
For Elevated Installation >40', Add	65.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.63	
26 05 33 13-0299 EA 1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	15.77	6.34
For Work In Restricted Working Space, Add	3.80	
For Elevated Installation >10' To 15', Add	1.27	
For Elevated Installation >15' To 20', Add	2.53	
For Elevated Installation >20' To 25', Add	3.17	
For Elevated Installation >25' To 30', Add	4.43	
For Elevated Installation >30' To 35', Add	5.07	
For Elevated Installation >35' To 40', Add	6.34	
For Elevated Installation >40', Add	6.97	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.80	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0300	EA	3/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	18.36	7.31
		For Work In Restricted Working Space, Add	4.38	
		For Elevated Installation >10' To 15', Add	1.46	
		For Elevated Installation >15' To 20', Add	2.92	
		For Elevated Installation >20' To 25', Add	3.65	
		For Elevated Installation >25' To 30', Add	5.11	
		For Elevated Installation >30' To 35', Add	5.84	
		For Elevated Installation >35' To 40', Add	7.31	
		For Elevated Installation >40', Add	8.04	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.38	
26 05 33 13-0301	EA	1" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	23.25	9.26
		For Work In Restricted Working Space, Add	5.55	
		For Elevated Installation >10' To 15', Add	1.85	
		For Elevated Installation >15' To 20', Add	3.70	
		For Elevated Installation >20' To 25', Add	4.63	
		For Elevated Installation >25' To 30', Add	6.48	
		For Elevated Installation >30' To 35', Add	7.40	
		For Elevated Installation >35' To 40', Add	9.26	
		For Elevated Installation >40', Add	10.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.55	
26 05 33 13-0302	EA	1-1/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	27.78	10.72
		For Work In Restricted Working Space, Add	6.43	
		For Elevated Installation >10' To 15', Add	2.14	
		For Elevated Installation >15' To 20', Add	4.29	
		For Elevated Installation >20' To 25', Add	5.36	
		For Elevated Installation >25' To 30', Add	7.50	
		For Elevated Installation >30' To 35', Add	8.57	
		For Elevated Installation >35' To 40', Add	10.72	
		For Elevated Installation >40', Add	11.79	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.43	
26 05 33 13-0303	EA	1-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	32.32	12.18
		For Work In Restricted Working Space, Add	7.31	
		For Elevated Installation >10' To 15', Add	2.44	
		For Elevated Installation >15' To 20', Add	4.87	
		For Elevated Installation >20' To 25', Add	6.09	
		For Elevated Installation >25' To 30', Add	8.53	
		For Elevated Installation >30' To 35', Add	9.74	
		For Elevated Installation >35' To 40', Add	12.18	
		For Elevated Installation >40', Add	13.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.31	
26 05 33 13-0304	EA	2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	36.75	13.64
		For Work In Restricted Working Space, Add	8.18	
		For Elevated Installation >10' To 15', Add	2.73	
		For Elevated Installation >15' To 20', Add	5.46	
		For Elevated Installation >20' To 25', Add	6.82	
		For Elevated Installation >25' To 30', Add	9.55	
		For Elevated Installation >30' To 35', Add	10.91	
		For Elevated Installation >35' To 40', Add	13.64	
		For Elevated Installation >40', Add	15.00	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.18	
26 05 33 13-0305	EA	2-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	50.78	16.57
		For Work In Restricted Working Space, Add	9.94	
		For Elevated Installation >10' To 15', Add	3.31	
		For Elevated Installation >15' To 20', Add	6.63	
		For Elevated Installation >20' To 25', Add	8.28	
		For Elevated Installation >25' To 30', Add	11.60	
		For Elevated Installation >30' To 35', Add	13.25	
		For Elevated Installation >35' To 40', Add	16.57	
		For Elevated Installation >40', Add	18.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.94	
26 05 33 13-0306	EA	3" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	66.78	22.90
		For Work In Restricted Working Space, Add	13.74	
		For Elevated Installation >10' To 15', Add	4.58	
		For Elevated Installation >15' To 20', Add	9.16	
		For Elevated Installation >20' To 25', Add	11.45	
		For Elevated Installation >25' To 30', Add	16.03	
		For Elevated Installation >30' To 35', Add	18.32	
		For Elevated Installation >35' To 40', Add	22.90	
		For Elevated Installation >40', Add	25.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.74	
26 05 33 13-0307	EA	3-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	75.63	25.82
		For Work In Restricted Working Space, Add	15.49	
		For Elevated Installation >10' To 15', Add	5.16	
		For Elevated Installation >15' To 20', Add	10.33	
		For Elevated Installation >20' To 25', Add	12.91	
		For Elevated Installation >25' To 30', Add	18.07	
		For Elevated Installation >30' To 35', Add	20.66	
		For Elevated Installation >35' To 40', Add	25.82	
		For Elevated Installation >40', Add	28.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.49	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0308	EA	4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	94.31	33.62
		For Work In Restricted Working Space, Add	20.17	
		For Elevated Installation >10' To 15', Add	6.72	
		For Elevated Installation >15' To 20', Add	13.44	
		For Elevated Installation >20' To 25', Add	16.81	
		For Elevated Installation >25' To 30', Add	23.53	
		For Elevated Installation >30' To 35', Add	26.89	
		For Elevated Installation >35' To 40', Add	33.61	
		For Elevated Installation >40', Add	36.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.17	
26 05 33 13-0309	EA	5" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	141.40	46.28
		For Work In Restricted Working Space, Add	27.77	
		For Elevated Installation >10' To 15', Add	9.26	
		For Elevated Installation >15' To 20', Add	18.51	
		For Elevated Installation >20' To 25', Add	23.14	
		For Elevated Installation >25' To 30', Add	32.40	
		For Elevated Installation >30' To 35', Add	37.02	
		For Elevated Installation >35' To 40', Add	46.28	
		For Elevated Installation >40', Add	50.91	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.77	
26 05 33 13-0310	EA	6" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	179.39	59.34
		For Work In Restricted Working Space, Add	35.63	
		For Elevated Installation >10' To 15', Add	11.88	
		For Elevated Installation >15' To 20', Add	23.75	
		For Elevated Installation >20' To 25', Add	29.69	
		For Elevated Installation >25' To 30', Add	41.56	
		For Elevated Installation >30' To 35', Add	47.50	
		For Elevated Installation >35' To 40', Add	59.38	
		For Elevated Installation >40', Add	65.31	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.63	
26 05 33 13-0311	EA	1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	16.54	6.34
		For Work In Restricted Working Space, Add	3.80	
		For Elevated Installation >10' To 15', Add	1.27	
		For Elevated Installation >15' To 20', Add	2.53	
		For Elevated Installation >20' To 25', Add	3.17	
		For Elevated Installation >25' To 30', Add	4.43	
		For Elevated Installation >30' To 35', Add	5.07	
		For Elevated Installation >35' To 40', Add	6.34	
		For Elevated Installation >40', Add	6.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.80	
26 05 33 13-0312	EA	3/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	19.11	7.31
		For Work In Restricted Working Space, Add	4.38	
		For Elevated Installation >10' To 15', Add	1.46	
		For Elevated Installation >15' To 20', Add	2.92	
		For Elevated Installation >20' To 25', Add	3.65	
		For Elevated Installation >25' To 30', Add	5.11	
		For Elevated Installation >30' To 35', Add	5.84	
		For Elevated Installation >35' To 40', Add	7.31	
		For Elevated Installation >40', Add	8.04	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.38	
26 05 33 13-0313	EA	1" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	24.63	9.26
		For Work In Restricted Working Space, Add	5.55	
		For Elevated Installation >10' To 15', Add	1.85	
		For Elevated Installation >15' To 20', Add	3.70	
		For Elevated Installation >20' To 25', Add	4.63	
		For Elevated Installation >25' To 30', Add	6.48	
		For Elevated Installation >30' To 35', Add	7.40	
		For Elevated Installation >35' To 40', Add	9.26	
		For Elevated Installation >40', Add	10.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.55	
26 05 33 13-0314	EA	1-1/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	29.42	10.72
		For Work In Restricted Working Space, Add	6.43	
		For Elevated Installation >10' To 15', Add	2.14	
		For Elevated Installation >15' To 20', Add	4.29	
		For Elevated Installation >20' To 25', Add	5.36	
		For Elevated Installation >25' To 30', Add	7.50	
		For Elevated Installation >30' To 35', Add	8.57	
		For Elevated Installation >35' To 40', Add	10.72	
		For Elevated Installation >40', Add	11.79	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.43	
26 05 33 13-0315	EA	1-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	33.93	12.18
		For Work In Restricted Working Space, Add	7.31	
		For Elevated Installation >10' To 15', Add	2.44	
		For Elevated Installation >15' To 20', Add	4.87	
		For Elevated Installation >20' To 25', Add	6.09	
		For Elevated Installation >25' To 30', Add	8.53	
		For Elevated Installation >30' To 35', Add	9.74	
		For Elevated Installation >35' To 40', Add	12.18	
		For Elevated Installation >40', Add	13.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0316 EA 2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.62 8.18 2.73 5.46 6.82 9.55 10.91 13.64 15.00 8.18	13.64
26 05 33 13-0317 EA 2-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	53.62 9.94 3.31 6.63 8.28 11.60 13.25 16.57 18.22 9.94	16.57
26 05 33 13-0318 EA 3" x 10" Long, Rigid Galvanized Steel (RGS) Nipple For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	70.59 13.74 4.58 9.16 11.45 16.03 18.32 22.90 25.18 13.74	22.90
26 05 33 13-0319 EA 3-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	80.66 15.49 5.16 10.33 12.91 18.07 20.66 25.82 28.40 15.49	25.82
26 05 33 13-0320 EA 4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	100.68 20.17 6.72 13.44 16.81 23.53 26.89 33.61 36.97 20.17	33.62
26 05 33 13-0321 EA 5" x 10" Long, Rigid Galvanized Steel (RGS) Nipple For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	149.82 27.77 9.26 18.51 23.14 32.40 37.02 46.28 50.91 27.77	46.28
26 05 33 13-0322 EA 6" x 10" Long, Rigid Galvanized Steel (RGS) Nipple For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	194.53 35.63 11.88 23.75 29.69 41.56 47.50 59.38 65.31 35.63	59.34
26 05 33 13-0323 EA 1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.14 3.80 1.27 2.53 3.17 4.43 5.07 6.34 6.97 3.80	6.34

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0324 EA 3/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	19.67	7.31
For Work In Restricted Working Space, Add	4.38	
For Elevated Installation >10' To 15', Add	1.46	
For Elevated Installation >15' To 20', Add	2.92	
For Elevated Installation >20' To 25', Add	3.65	
For Elevated Installation >25' To 30', Add	5.11	
For Elevated Installation >30' To 35', Add	5.84	
For Elevated Installation >35' To 40', Add	7.31	
For Elevated Installation >40', Add	8.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.38	
26 05 33 13-0325 EA 1" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	25.46	9.26
For Work In Restricted Working Space, Add	5.55	
For Elevated Installation >10' To 15', Add	1.85	
For Elevated Installation >15' To 20', Add	3.70	
For Elevated Installation >20' To 25', Add	4.63	
For Elevated Installation >25' To 30', Add	6.48	
For Elevated Installation >30' To 35', Add	7.40	
For Elevated Installation >35' To 40', Add	9.26	
For Elevated Installation >40', Add	10.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.55	
26 05 33 13-0326 EA 1-1/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	30.74	10.72
For Work In Restricted Working Space, Add	6.43	
For Elevated Installation >10' To 15', Add	2.14	
For Elevated Installation >15' To 20', Add	4.29	
For Elevated Installation >20' To 25', Add	5.36	
For Elevated Installation >25' To 30', Add	7.50	
For Elevated Installation >30' To 35', Add	8.57	
For Elevated Installation >35' To 40', Add	10.72	
For Elevated Installation >40', Add	11.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.43	
26 05 33 13-0327 EA 1-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	34.74	12.18
For Work In Restricted Working Space, Add	7.31	
For Elevated Installation >10' To 15', Add	2.44	
For Elevated Installation >15' To 20', Add	4.87	
For Elevated Installation >20' To 25', Add	6.09	
For Elevated Installation >25' To 30', Add	8.53	
For Elevated Installation >30' To 35', Add	9.74	
For Elevated Installation >35' To 40', Add	12.18	
For Elevated Installation >40', Add	13.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.31	
26 05 33 13-0328 EA 2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	40.19	13.64
For Work In Restricted Working Space, Add	8.18	
For Elevated Installation >10' To 15', Add	2.73	
For Elevated Installation >15' To 20', Add	5.46	
For Elevated Installation >20' To 25', Add	6.82	
For Elevated Installation >25' To 30', Add	9.55	
For Elevated Installation >30' To 35', Add	10.91	
For Elevated Installation >35' To 40', Add	13.64	
For Elevated Installation >40', Add	15.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.18	
26 05 33 13-0329 EA 2-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	56.97	16.57
For Work In Restricted Working Space, Add	9.94	
For Elevated Installation >10' To 15', Add	3.31	
For Elevated Installation >15' To 20', Add	6.63	
For Elevated Installation >20' To 25', Add	8.28	
For Elevated Installation >25' To 30', Add	11.60	
For Elevated Installation >30' To 35', Add	13.25	
For Elevated Installation >35' To 40', Add	16.57	
For Elevated Installation >40', Add	18.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.94	
26 05 33 13-0330 EA 3" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	75.91	22.90
For Work In Restricted Working Space, Add	13.74	
For Elevated Installation >10' To 15', Add	4.58	
For Elevated Installation >15' To 20', Add	9.16	
For Elevated Installation >20' To 25', Add	11.45	
For Elevated Installation >25' To 30', Add	16.03	
For Elevated Installation >30' To 35', Add	18.32	
For Elevated Installation >35' To 40', Add	22.90	
For Elevated Installation >40', Add	25.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.74	
26 05 33 13-0331 EA 3-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	85.55	25.82
For Work In Restricted Working Space, Add	15.49	
For Elevated Installation >10' To 15', Add	5.16	
For Elevated Installation >15' To 20', Add	10.33	
For Elevated Installation >20' To 25', Add	12.91	
For Elevated Installation >25' To 30', Add	18.07	
For Elevated Installation >30' To 35', Add	20.66	
For Elevated Installation >35' To 40', Add	25.82	
For Elevated Installation >40', Add	28.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.49	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0332	EA	4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	107.06	33.62
		For Work In Restricted Working Space, Add	20.17	
		For Elevated Installation >10' To 15', Add	6.72	
		For Elevated Installation >15' To 20', Add	13.44	
		For Elevated Installation >20' To 25', Add	16.81	
		For Elevated Installation >25' To 30', Add	23.53	
		For Elevated Installation >30' To 35', Add	26.89	
		For Elevated Installation >35' To 40', Add	33.61	
		For Elevated Installation >40', Add	36.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.17	
26 05 33 13-0333	EA	5" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	161.92	46.28
		For Work In Restricted Working Space, Add	27.77	
		For Elevated Installation >10' To 15', Add	9.26	
		For Elevated Installation >15' To 20', Add	18.51	
		For Elevated Installation >20' To 25', Add	23.14	
		For Elevated Installation >25' To 30', Add	32.40	
		For Elevated Installation >30' To 35', Add	37.02	
		For Elevated Installation >35' To 40', Add	46.28	
		For Elevated Installation >40', Add	50.91	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.77	
26 05 33 13-0334	EA	6" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	202.95	59.34
		For Work In Restricted Working Space, Add	35.63	
		For Elevated Installation >10' To 15', Add	11.88	
		For Elevated Installation >15' To 20', Add	23.75	
		For Elevated Installation >20' To 25', Add	29.69	
		For Elevated Installation >25' To 30', Add	41.56	
		For Elevated Installation >30' To 35', Add	47.50	
		For Elevated Installation >35' To 40', Add	59.38	
		For Elevated Installation >40', Add	65.31	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.63	
26 05 33 13-0335		Rigid Galvanized Steel (RGS) Off-Set Nipples (26 05 33 13-0059)		
26 05 33 13-0336	EA	1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple	14.81	5.06
		For Work In Restricted Working Space, Add	3.83	
		For Elevated Installation >10' To 15', Add	1.28	
		For Elevated Installation >15' To 20', Add	2.55	
		For Elevated Installation >20' To 25', Add	3.19	
		For Elevated Installation >25' To 30', Add	4.47	
		For Elevated Installation >30' To 35', Add	5.11	
		For Elevated Installation >35' To 40', Add	6.39	
		For Elevated Installation >40', Add	7.02	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.83	
26 05 33 13-0337	EA	3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple	17.65	5.85
		For Work In Restricted Working Space, Add	4.36	
		For Elevated Installation >10' To 15', Add	1.45	
		For Elevated Installation >15' To 20', Add	2.91	
		For Elevated Installation >20' To 25', Add	3.63	
		For Elevated Installation >25' To 30', Add	5.09	
		For Elevated Installation >30' To 35', Add	5.81	
		For Elevated Installation >35' To 40', Add	7.27	
		For Elevated Installation >40', Add	7.99	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.36	
26 05 33 13-0338	EA	1" Rigid Galvanized Steel (RGS) Off-Set Nipple	22.16	7.40
		For Work In Restricted Working Space, Add	5.58	
		For Elevated Installation >10' To 15', Add	1.86	
		For Elevated Installation >15' To 20', Add	3.72	
		For Elevated Installation >20' To 25', Add	4.65	
		For Elevated Installation >25' To 30', Add	6.51	
		For Elevated Installation >30' To 35', Add	7.44	
		For Elevated Installation >35' To 40', Add	9.30	
		For Elevated Installation >40', Add	10.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.58	
26 05 33 13-0339	EA	1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	28.03	8.87
		For Work In Restricted Working Space, Add	6.68	
		For Elevated Installation >10' To 15', Add	2.23	
		For Elevated Installation >15' To 20', Add	4.45	
		For Elevated Installation >20' To 25', Add	5.57	
		For Elevated Installation >25' To 30', Add	7.79	
		For Elevated Installation >30' To 35', Add	8.91	
		For Elevated Installation >35' To 40', Add	11.14	
		For Elevated Installation >40', Add	12.25	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.68	
26 05 33 13-0340	EA	1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	30.70	9.75
		For Work In Restricted Working Space, Add	7.31	
		For Elevated Installation >10' To 15', Add	2.44	
		For Elevated Installation >15' To 20', Add	4.88	
		For Elevated Installation >20' To 25', Add	6.10	
		For Elevated Installation >25' To 30', Add	8.53	
		For Elevated Installation >30' To 35', Add	9.75	
		For Elevated Installation >35' To 40', Add	12.19	
		For Elevated Installation >40', Add	13.41	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.31	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0341 EA 2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated.....	40.07	11.98
For Work In Restricted Working Space, Add	9.01	
For Elevated Installation >10' To 15', Add	3.00	
For Elevated Installation >15' To 20', Add	6.01	
For Elevated Installation >20' To 25', Add	7.51	
For Elevated Installation >25' To 30', Add	10.51	
For Elevated Installation >30' To 35', Add	12.01	
For Elevated Installation >35' To 40', Add	15.02	
For Elevated Installation >40', Add	16.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.01	
26 05 33 13-0342 EA 2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	65.45	19.49
For Work In Restricted Working Space, Add	14.62	
For Elevated Installation >10' To 15', Add	4.87	
For Elevated Installation >15' To 20', Add	9.74	
For Elevated Installation >20' To 25', Add	12.18	
For Elevated Installation >25' To 30', Add	17.05	
For Elevated Installation >30' To 35', Add	19.49	
For Elevated Installation >35' To 40', Add	24.36	
For Elevated Installation >40', Add	26.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.62	
26 05 33 13-0343 EA 3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated.....	105.23	26.90
For Work In Restricted Working Space, Add	20.17	
For Elevated Installation >10' To 15', Add	6.72	
For Elevated Installation >15' To 20', Add	13.45	
For Elevated Installation >20' To 25', Add	16.81	
For Elevated Installation >25' To 30', Add	23.53	
For Elevated Installation >30' To 35', Add	26.89	
For Elevated Installation >35' To 40', Add	33.62	
For Elevated Installation >40', Add	36.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.17	
26 05 33 13-0344 EA 3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	130.28	31.76
For Work In Restricted Working Space, Add	23.69	
For Elevated Installation >10' To 15', Add	7.90	
For Elevated Installation >15' To 20', Add	15.80	
For Elevated Installation >20' To 25', Add	19.75	
For Elevated Installation >25' To 30', Add	27.64	
For Elevated Installation >30' To 35', Add	31.59	
For Elevated Installation >35' To 40', Add	39.49	
For Elevated Installation >40', Add	43.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.69	
26 05 33 13-0345 EA 4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated.....	156.14	36.64
For Work In Restricted Working Space, Add	27.48	
For Elevated Installation >10' To 15', Add	9.16	
For Elevated Installation >15' To 20', Add	18.32	
For Elevated Installation >20' To 25', Add	22.90	
For Elevated Installation >25' To 30', Add	32.06	
For Elevated Installation >30' To 35', Add	36.64	
For Elevated Installation >35' To 40', Add	45.80	
For Elevated Installation >40', Add	50.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.48	
26 05 33 13-0346 Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (26 05 33 13-0059)		
Note: Erickson fittings.		
26 05 33 13-0347 EA 1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	40.62	15.59
For Work In Restricted Working Space, Add	11.71	
For Elevated Installation >10' To 15', Add	3.90	
For Elevated Installation >15' To 20', Add	7.80	
For Elevated Installation >20' To 25', Add	9.76	
For Elevated Installation >25' To 30', Add	13.66	
For Elevated Installation >30' To 35', Add	15.61	
For Elevated Installation >35' To 40', Add	19.51	
For Elevated Installation >40', Add	21.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.71	
26 05 33 13-0348 EA 3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	45.60	17.44
For Work In Restricted Working Space, Add	13.07	
For Elevated Installation >10' To 15', Add	4.36	
For Elevated Installation >15' To 20', Add	8.71	
For Elevated Installation >20' To 25', Add	10.89	
For Elevated Installation >25' To 30', Add	15.24	
For Elevated Installation >30' To 35', Add	17.42	
For Elevated Installation >35' To 40', Add	21.78	
For Elevated Installation >40', Add	23.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.07	
26 05 33 13-0349 EA 1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	52.30	19.39
For Work In Restricted Working Space, Add	14.55	
For Elevated Installation >10' To 15', Add	4.85	
For Elevated Installation >15' To 20', Add	9.70	
For Elevated Installation >20' To 25', Add	12.13	
For Elevated Installation >25' To 30', Add	16.98	
For Elevated Installation >30' To 35', Add	19.40	
For Elevated Installation >35' To 40', Add	24.26	
For Elevated Installation >40', Add	26.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.55	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0350	EA	1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	61.17	21.24
		For Work In Restricted Working Space, Add	15.93	
		For Elevated Installation >10' To 15', Add	5.31	
		For Elevated Installation >15' To 20', Add	10.62	
		For Elevated Installation >20' To 25', Add	13.27	
		For Elevated Installation >25' To 30', Add	18.58	
		For Elevated Installation >30' To 35', Add	21.24	
		For Elevated Installation >35' To 40', Add	26.55	
		For Elevated Installation >40', Add	29.20	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.93	
26 05 33 13-0351	EA	1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	67.76	23.19
		For Work In Restricted Working Space, Add	17.42	
		For Elevated Installation >10' To 15', Add	5.81	
		For Elevated Installation >15' To 20', Add	11.62	
		For Elevated Installation >20' To 25', Add	14.52	
		For Elevated Installation >25' To 30', Add	20.33	
		For Elevated Installation >30' To 35', Add	23.23	
		For Elevated Installation >35' To 40', Add	29.04	
		For Elevated Installation >40', Add	31.94	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.42	
26 05 33 13-0352	EA	2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	82.30	25.14
		For Work In Restricted Working Space, Add	18.87	
		For Elevated Installation >10' To 15', Add	6.29	
		For Elevated Installation >15' To 20', Add	12.58	
		For Elevated Installation >20' To 25', Add	15.73	
		For Elevated Installation >25' To 30', Add	22.02	
		For Elevated Installation >30' To 35', Add	25.16	
		For Elevated Installation >35' To 40', Add	31.45	
		For Elevated Installation >40', Add	34.60	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.87	
26 05 33 13-0353	EA	2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	122.88	31.18
		For Work In Restricted Working Space, Add	23.39	
		For Elevated Installation >10' To 15', Add	7.80	
		For Elevated Installation >15' To 20', Add	15.59	
		For Elevated Installation >20' To 25', Add	19.49	
		For Elevated Installation >25' To 30', Add	27.28	
		For Elevated Installation >30' To 35', Add	31.18	
		For Elevated Installation >35' To 40', Add	38.98	
		For Elevated Installation >40', Add	42.87	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.39	
26 05 33 13-0354	EA	3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	165.63	38.97
		For Work In Restricted Working Space, Add	29.23	
		For Elevated Installation >10' To 15', Add	9.74	
		For Elevated Installation >15' To 20', Add	19.49	
		For Elevated Installation >20' To 25', Add	24.36	
		For Elevated Installation >25' To 30', Add	34.10	
		For Elevated Installation >30' To 35', Add	38.98	
		For Elevated Installation >35' To 40', Add	48.72	
		For Elevated Installation >40', Add	53.59	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.23	
26 05 33 13-0355	EA	3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	230.55	46.78
		For Work In Restricted Working Space, Add	35.09	
		For Elevated Installation >10' To 15', Add	11.70	
		For Elevated Installation >15' To 20', Add	23.39	
		For Elevated Installation >20' To 25', Add	29.24	
		For Elevated Installation >25' To 30', Add	40.94	
		For Elevated Installation >30' To 35', Add	46.79	
		For Elevated Installation >35' To 40', Add	58.49	
		For Elevated Installation >40', Add	64.33	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.09	
26 05 33 13-0356	EA	4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	260.23	50.67
		For Work In Restricted Working Space, Add	38.00	
		For Elevated Installation >10' To 15', Add	12.67	
		For Elevated Installation >15' To 20', Add	25.33	
		For Elevated Installation >20' To 25', Add	31.67	
		For Elevated Installation >25' To 30', Add	44.33	
		For Elevated Installation >30' To 35', Add	50.66	
		For Elevated Installation >35' To 40', Add	63.33	
		For Elevated Installation >40', Add	69.66	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.00	
26 05 33 13-0357	EA	5" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	430.01	62.36
		For Work In Restricted Working Space, Add	46.77	
		For Elevated Installation >10' To 15', Add	15.59	
		For Elevated Installation >15' To 20', Add	31.18	
		For Elevated Installation >20' To 25', Add	38.97	
		For Elevated Installation >25' To 30', Add	54.56	
		For Elevated Installation >30' To 35', Add	62.36	
		For Elevated Installation >35' To 40', Add	77.95	
		For Elevated Installation >40', Add	85.74	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.77	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0358	EA	6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	545.62	72.11
		For Work In Restricted Working Space, Add	54.07	
		For Elevated Installation >10' To 15', Add	18.02	
		For Elevated Installation >15' To 20', Add	36.05	
		For Elevated Installation >20' To 25', Add	45.06	
		For Elevated Installation >25' To 30', Add	63.08	
		For Elevated Installation >30' To 35', Add	72.10	
		For Elevated Installation >35' To 40', Add	90.12	
		For Elevated Installation >40', Add	99.13	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	54.07	
26 05 33 13-0359 Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connectors (26 05 33 13-0059)				
26 05 33 13-0360	EA	1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	24.97	7.79
		For Work In Restricted Working Space, Add	5.85	
		For Elevated Installation >10' To 15', Add	1.95	
		For Elevated Installation >15' To 20', Add	3.90	
		For Elevated Installation >20' To 25', Add	4.87	
		For Elevated Installation >25' To 30', Add	6.82	
		For Elevated Installation >30' To 35', Add	7.80	
		For Elevated Installation >35' To 40', Add	9.75	
		For Elevated Installation >40', Add	10.72	
26 05 33 13-0361	EA	3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	27.92	8.57
		For Work In Restricted Working Space, Add	6.43	
		For Elevated Installation >10' To 15', Add	2.14	
		For Elevated Installation >15' To 20', Add	4.29	
		For Elevated Installation >20' To 25', Add	5.36	
		For Elevated Installation >25' To 30', Add	7.50	
		For Elevated Installation >30' To 35', Add	8.58	
		For Elevated Installation >35' To 40', Add	10.72	
		For Elevated Installation >40', Add	11.79	
26 05 33 13-0362	EA	1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	32.08	9.75
		For Work In Restricted Working Space, Add	7.31	
		For Elevated Installation >10' To 15', Add	2.44	
		For Elevated Installation >15' To 20', Add	4.87	
		For Elevated Installation >20' To 25', Add	6.09	
		For Elevated Installation >25' To 30', Add	8.53	
		For Elevated Installation >30' To 35', Add	9.74	
		For Elevated Installation >35' To 40', Add	12.18	
		For Elevated Installation >40', Add	13.40	
26 05 33 13-0363	EA	1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	36.50	10.52
		For Work In Restricted Working Space, Add	7.89	
		For Elevated Installation >10' To 15', Add	2.63	
		For Elevated Installation >15' To 20', Add	5.26	
		For Elevated Installation >20' To 25', Add	6.58	
		For Elevated Installation >25' To 30', Add	9.21	
		For Elevated Installation >30' To 35', Add	10.52	
		For Elevated Installation >35' To 40', Add	13.16	
		For Elevated Installation >40', Add	14.47	
26 05 33 13-0364	EA	1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	43.43	11.69
		For Work In Restricted Working Space, Add	8.77	
		For Elevated Installation >10' To 15', Add	2.92	
		For Elevated Installation >15' To 20', Add	5.85	
		For Elevated Installation >20' To 25', Add	7.31	
		For Elevated Installation >25' To 30', Add	10.23	
		For Elevated Installation >30' To 35', Add	11.69	
		For Elevated Installation >35' To 40', Add	14.62	
		For Elevated Installation >40', Add	16.08	
26 05 33 13-0365	EA	2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	53.14	12.86
		For Work In Restricted Working Space, Add	9.65	
		For Elevated Installation >10' To 15', Add	3.22	
		For Elevated Installation >15' To 20', Add	6.43	
		For Elevated Installation >20' To 25', Add	8.04	
		For Elevated Installation >25' To 30', Add	11.25	
		For Elevated Installation >30' To 35', Add	12.86	
		For Elevated Installation >35' To 40', Add	16.08	
		For Elevated Installation >40', Add	17.68	
26 05 33 13-0366	EA	2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	72.62	15.59
		For Work In Restricted Working Space, Add	11.69	
		For Elevated Installation >10' To 15', Add	3.90	
		For Elevated Installation >15' To 20', Add	7.79	
		For Elevated Installation >20' To 25', Add	9.74	
		For Elevated Installation >25' To 30', Add	13.64	
		For Elevated Installation >30' To 35', Add	15.59	
		For Elevated Installation >35' To 40', Add	19.49	
		For Elevated Installation >40', Add	21.43	
26 05 33 13-0367	EA	3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	89.78	19.49
		For Work In Restricted Working Space, Add	14.62	
		For Elevated Installation >10' To 15', Add	4.87	
		For Elevated Installation >15' To 20', Add	9.74	
		For Elevated Installation >20' To 25', Add	12.18	
		For Elevated Installation >25' To 30', Add	17.05	
		For Elevated Installation >30' To 35', Add	19.49	
		For Elevated Installation >35' To 40', Add	24.36	
		For Elevated Installation >40', Add	26.80	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0368	EA	3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	107.85	23.39
		For Work In Restricted Working Space, Add	17.54	
		For Elevated Installation >10' To 15', Add	5.85	
		For Elevated Installation >15' To 20', Add	11.69	
		For Elevated Installation >20' To 25', Add	14.62	
		For Elevated Installation >25' To 30', Add	20.46	
		For Elevated Installation >30' To 35', Add	23.38	
		For Elevated Installation >35' To 40', Add	29.23	
		For Elevated Installation >40', Add	32.15	
26 05 33 13-0369	EA	4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	121.99	25.33
		For Work In Restricted Working Space, Add	19.00	
		For Elevated Installation >10' To 15', Add	6.33	
		For Elevated Installation >15' To 20', Add	12.67	
		For Elevated Installation >20' To 25', Add	15.83	
		For Elevated Installation >25' To 30', Add	22.17	
		For Elevated Installation >30' To 35', Add	25.33	
		For Elevated Installation >35' To 40', Add	31.67	
		For Elevated Installation >40', Add	34.83	
26 05 33 13-0370		Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs (26 05 33 13-0059)	20.36	8.77
26 05 33 13-0371	EA	1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	20.36	8.77
		For Work In Restricted Working Space, Add	5.26	
		For Elevated Installation >10' To 15', Add	1.75	
		For Elevated Installation >15' To 20', Add	3.51	
		For Elevated Installation >20' To 25', Add	4.39	
		For Elevated Installation >25' To 30', Add	6.14	
		For Elevated Installation >30' To 35', Add	7.02	
		For Elevated Installation >35' To 40', Add	8.77	
		For Elevated Installation >40', Add	9.65	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.26	
26 05 33 13-0372	EA	3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	22.67	9.75
		For Work In Restricted Working Space, Add	5.85	
		For Elevated Installation >10' To 15', Add	1.95	
		For Elevated Installation >15' To 20', Add	3.90	
		For Elevated Installation >20' To 25', Add	4.87	
		For Elevated Installation >25' To 30', Add	6.82	
		For Elevated Installation >30' To 35', Add	7.80	
		For Elevated Installation >35' To 40', Add	9.75	
		For Elevated Installation >40', Add	10.72	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.85	
26 05 33 13-0373	EA	1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	28.10	12.18
		For Work In Restricted Working Space, Add	7.31	
		For Elevated Installation >10' To 15', Add	2.44	
		For Elevated Installation >15' To 20', Add	4.87	
		For Elevated Installation >20' To 25', Add	6.09	
		For Elevated Installation >25' To 30', Add	8.53	
		For Elevated Installation >30' To 35', Add	9.74	
		For Elevated Installation >35' To 40', Add	12.18	
		For Elevated Installation >40', Add	13.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.31	
26 05 33 13-0374	EA	1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	34.31	14.61
		For Work In Restricted Working Space, Add	8.77	
		For Elevated Installation >10' To 15', Add	2.92	
		For Elevated Installation >15' To 20', Add	5.85	
		For Elevated Installation >20' To 25', Add	7.31	
		For Elevated Installation >25' To 30', Add	10.23	
		For Elevated Installation >30' To 35', Add	11.69	
		For Elevated Installation >35' To 40', Add	14.62	
		For Elevated Installation >40', Add	16.08	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.77	
26 05 33 13-0375	EA	1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	44.55	19.49
		For Work In Restricted Working Space, Add	11.69	
		For Elevated Installation >10' To 15', Add	3.90	
		For Elevated Installation >15' To 20', Add	7.79	
		For Elevated Installation >20' To 25', Add	9.74	
		For Elevated Installation >25' To 30', Add	13.64	
		For Elevated Installation >30' To 35', Add	15.59	
		For Elevated Installation >35' To 40', Add	19.49	
		For Elevated Installation >40', Add	21.43	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.69	
26 05 33 13-0376	EA	2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	51.30	21.92
		For Work In Restricted Working Space, Add	13.16	
		For Elevated Installation >10' To 15', Add	4.39	
		For Elevated Installation >15' To 20', Add	8.77	
		For Elevated Installation >20' To 25', Add	10.96	
		For Elevated Installation >25' To 30', Add	15.35	
		For Elevated Installation >30' To 35', Add	17.54	
		For Elevated Installation >35' To 40', Add	21.93	
		For Elevated Installation >40', Add	24.12	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.16	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0377 EA 2-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	61.38	24.36
For Work In Restricted Working Space, Add	14.62	
For Elevated Installation >10' To 15', Add	4.87	
For Elevated Installation >15' To 20', Add	9.74	
For Elevated Installation >20' To 25', Add	12.18	
For Elevated Installation >25' To 30', Add	17.05	
For Elevated Installation >30' To 35', Add	19.49	
For Elevated Installation >35' To 40', Add	24.36	
For Elevated Installation >40', Add	26.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.62	
26 05 33 13-0378 EA 3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	81.23	30.69
For Work In Restricted Working Space, Add	18.42	
For Elevated Installation >10' To 15', Add	6.14	
For Elevated Installation >15' To 20', Add	12.28	
For Elevated Installation >20' To 25', Add	15.35	
For Elevated Installation >25' To 30', Add	21.49	
For Elevated Installation >30' To 35', Add	24.56	
For Elevated Installation >35' To 40', Add	30.70	
For Elevated Installation >40', Add	33.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.42	
26 05 33 13-0379 EA 3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	96.83	37.03
For Work In Restricted Working Space, Add	22.22	
For Elevated Installation >10' To 15', Add	7.41	
For Elevated Installation >15' To 20', Add	14.81	
For Elevated Installation >20' To 25', Add	18.51	
For Elevated Installation >25' To 30', Add	25.92	
For Elevated Installation >30' To 35', Add	29.62	
For Elevated Installation >35' To 40', Add	37.03	
For Elevated Installation >40', Add	40.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.22	
26 05 33 13-0380 EA 4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	117.72	43.85
For Work In Restricted Working Space, Add	26.31	
For Elevated Installation >10' To 15', Add	8.77	
For Elevated Installation >15' To 20', Add	17.54	
For Elevated Installation >20' To 25', Add	21.92	
For Elevated Installation >25' To 30', Add	30.69	
For Elevated Installation >30' To 35', Add	35.08	
For Elevated Installation >35' To 40', Add	43.85	
For Elevated Installation >40', Add	48.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.31	
26 05 33 13-0381 Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement (26 05		
33 13-0059)		
Note: Type AX		
26 05 33 13-0382 EA 1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	103.04	15.59
For Work In Restricted Working Space, Add	11.69	
For Elevated Installation >10' To 15', Add	3.90	
For Elevated Installation >15' To 20', Add	7.80	
For Elevated Installation >20' To 25', Add	9.75	
For Elevated Installation >25' To 30', Add	13.64	
For Elevated Installation >30' To 35', Add	15.59	
For Elevated Installation >35' To 40', Add	19.49	
For Elevated Installation >40', Add	21.44	
26 05 33 13-0383 EA 3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	116.98	17.54
For Work In Restricted Working Space, Add	13.16	
For Elevated Installation >10' To 15', Add	4.39	
For Elevated Installation >15' To 20', Add	8.77	
For Elevated Installation >20' To 25', Add	10.96	
For Elevated Installation >25' To 30', Add	15.35	
For Elevated Installation >30' To 35', Add	17.54	
For Elevated Installation >35' To 40', Add	21.93	
For Elevated Installation >40', Add	24.12	
26 05 33 13-0384 EA 1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	138.68	19.49
For Work In Restricted Working Space, Add	14.62	
For Elevated Installation >10' To 15', Add	4.87	
For Elevated Installation >15' To 20', Add	9.74	
For Elevated Installation >20' To 25', Add	12.18	
For Elevated Installation >25' To 30', Add	17.05	
For Elevated Installation >30' To 35', Add	19.49	
For Elevated Installation >35' To 40', Add	24.36	
For Elevated Installation >40', Add	26.80	
26 05 33 13-0385 EA 1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	170.12	21.43
For Work In Restricted Working Space, Add	16.08	
For Elevated Installation >10' To 15', Add	5.36	
For Elevated Installation >15' To 20', Add	10.72	
For Elevated Installation >20' To 25', Add	13.40	
For Elevated Installation >25' To 30', Add	18.76	
For Elevated Installation >30' To 35', Add	21.44	
For Elevated Installation >35' To 40', Add	26.80	
For Elevated Installation >40', Add	29.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0386 EA 1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	214.19	23.39
For Work In Restricted Working Space, Add	17.54	
For Elevated Installation >10' To 15', Add	5.85	
For Elevated Installation >15' To 20', Add	11.69	
For Elevated Installation >20' To 25', Add	14.62	
For Elevated Installation >25' To 30', Add	20.46	
For Elevated Installation >30' To 35', Add	23.38	
For Elevated Installation >35' To 40', Add	29.23	
For Elevated Installation >40', Add	32.15	
26 05 33 13-0387 EA 2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	296.92	25.33
For Work In Restricted Working Space, Add	19.00	
For Elevated Installation >10' To 15', Add	6.33	
For Elevated Installation >15' To 20', Add	12.67	
For Elevated Installation >20' To 25', Add	15.83	
For Elevated Installation >25' To 30', Add	22.17	
For Elevated Installation >30' To 35', Add	25.33	
For Elevated Installation >35' To 40', Add	31.67	
For Elevated Installation >40', Add	34.83	
26 05 33 13-0388 EA 2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	455.56	31.18
For Work In Restricted Working Space, Add	23.39	
For Elevated Installation >10' To 15', Add	7.80	
For Elevated Installation >15' To 20', Add	15.59	
For Elevated Installation >20' To 25', Add	19.49	
For Elevated Installation >25' To 30', Add	27.28	
For Elevated Installation >30' To 35', Add	31.18	
For Elevated Installation >35' To 40', Add	38.98	
For Elevated Installation >40', Add	42.87	
26 05 33 13-0389 EA 3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	583.79	38.97
For Work In Restricted Working Space, Add	29.23	
For Elevated Installation >10' To 15', Add	9.74	
For Elevated Installation >15' To 20', Add	19.49	
For Elevated Installation >20' To 25', Add	24.36	
For Elevated Installation >25' To 30', Add	34.10	
For Elevated Installation >30' To 35', Add	38.98	
For Elevated Installation >35' To 40', Add	48.72	
For Elevated Installation >40', Add	53.59	
26 05 33 13-0390 EA 3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	853.43	46.78
For Work In Restricted Working Space, Add	35.08	
For Elevated Installation >10' To 15', Add	11.69	
For Elevated Installation >15' To 20', Add	23.39	
For Elevated Installation >20' To 25', Add	29.24	
For Elevated Installation >25' To 30', Add	40.93	
For Elevated Installation >30' To 35', Add	46.78	
For Elevated Installation >35' To 40', Add	58.47	
For Elevated Installation >40', Add	64.32	
26 05 33 13-0391 EA 4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	909.65	50.67
For Work In Restricted Working Space, Add	38.00	
For Elevated Installation >10' To 15', Add	12.67	
For Elevated Installation >15' To 20', Add	25.33	
For Elevated Installation >20' To 25', Add	31.67	
For Elevated Installation >25' To 30', Add	44.33	
For Elevated Installation >30' To 35', Add	50.66	
For Elevated Installation >35' To 40', Add	63.33	
For Elevated Installation >40', Add	69.66	
26 05 33 13-0392 EA 5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	1,395.10	62.36
For Work In Restricted Working Space, Add	46.77	
For Elevated Installation >10' To 15', Add	15.59	
For Elevated Installation >15' To 20', Add	31.18	
For Elevated Installation >20' To 25', Add	38.98	
For Elevated Installation >25' To 30', Add	54.57	
For Elevated Installation >30' To 35', Add	62.36	
For Elevated Installation >35' To 40', Add	77.95	
For Elevated Installation >40', Add	85.75	
26 05 33 13-0393 EA 6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	1,714.65	69.18
For Work In Restricted Working Space, Add	51.92	
For Elevated Installation >10' To 15', Add	17.31	
For Elevated Installation >15' To 20', Add	34.61	
For Elevated Installation >20' To 25', Add	43.26	
For Elevated Installation >25' To 30', Add	60.57	
For Elevated Installation >30' To 35', Add	69.22	
For Elevated Installation >35' To 40', Add	86.53	
For Elevated Installation >40', Add	95.18	
26 05 33 13-0394 Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement ^{26 05}		
^{33 13-0059}		
Note: Type AX-8		
26 05 33 13-0395 EA 1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	113.75	15.59
For Work In Restricted Working Space, Add	11.69	
For Elevated Installation >10' To 15', Add	3.90	
For Elevated Installation >15' To 20', Add	7.80	
For Elevated Installation >20' To 25', Add	9.75	
For Elevated Installation >25' To 30', Add	13.64	
For Elevated Installation >30' To 35', Add	15.59	
For Elevated Installation >35' To 40', Add	19.49	
For Elevated Installation >40', Add	21.44	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0396	EA		3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	126.46	17.54
			For Work In Restricted Working Space, Add	13.16	
			For Elevated Installation >10' To 15', Add	4.39	
			For Elevated Installation >15' To 20', Add	8.77	
			For Elevated Installation >20' To 25', Add	10.96	
			For Elevated Installation >25' To 30', Add	15.35	
			For Elevated Installation >30' To 35', Add	17.54	
			For Elevated Installation >35' To 40', Add	21.93	
			For Elevated Installation >40', Add	24.12	
26 05 33 13-0397	EA		1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	153.57	19.49
			For Work In Restricted Working Space, Add	14.62	
			For Elevated Installation >10' To 15', Add	4.87	
			For Elevated Installation >15' To 20', Add	9.74	
			For Elevated Installation >20' To 25', Add	12.18	
			For Elevated Installation >25' To 30', Add	17.05	
			For Elevated Installation >30' To 35', Add	19.49	
			For Elevated Installation >35' To 40', Add	24.36	
			For Elevated Installation >40', Add	26.80	
26 05 33 13-0398	EA		1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	193.56	21.43
			For Work In Restricted Working Space, Add	16.08	
			For Elevated Installation >10' To 15', Add	5.36	
			For Elevated Installation >15' To 20', Add	10.72	
			For Elevated Installation >20' To 25', Add	13.40	
			For Elevated Installation >25' To 30', Add	18.76	
			For Elevated Installation >30' To 35', Add	21.44	
			For Elevated Installation >35' To 40', Add	26.80	
			For Elevated Installation >40', Add	29.47	
26 05 33 13-0399	EA		1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	260.78	23.39
			For Work In Restricted Working Space, Add	17.54	
			For Elevated Installation >10' To 15', Add	5.85	
			For Elevated Installation >15' To 20', Add	11.69	
			For Elevated Installation >20' To 25', Add	14.62	
			For Elevated Installation >25' To 30', Add	20.46	
			For Elevated Installation >30' To 35', Add	23.38	
			For Elevated Installation >35' To 40', Add	29.23	
			For Elevated Installation >40', Add	32.15	
26 05 33 13-0400	EA		2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	319.18	25.33
			For Work In Restricted Working Space, Add	19.00	
			For Elevated Installation >10' To 15', Add	6.33	
			For Elevated Installation >15' To 20', Add	12.67	
			For Elevated Installation >20' To 25', Add	15.83	
			For Elevated Installation >25' To 30', Add	22.17	
			For Elevated Installation >30' To 35', Add	25.33	
			For Elevated Installation >35' To 40', Add	31.67	
			For Elevated Installation >40', Add	34.83	
26 05 33 13-0401	EA		2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	599.89	31.18
			For Work In Restricted Working Space, Add	23.39	
			For Elevated Installation >10' To 15', Add	7.80	
			For Elevated Installation >15' To 20', Add	15.59	
			For Elevated Installation >20' To 25', Add	19.49	
			For Elevated Installation >25' To 30', Add	27.28	
			For Elevated Installation >30' To 35', Add	31.18	
			For Elevated Installation >35' To 40', Add	38.98	
			For Elevated Installation >40', Add	42.87	
26 05 33 13-0402	EA		3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	682.34	38.97
			For Work In Restricted Working Space, Add	29.23	
			For Elevated Installation >10' To 15', Add	9.74	
			For Elevated Installation >15' To 20', Add	19.49	
			For Elevated Installation >20' To 25', Add	24.36	
			For Elevated Installation >25' To 30', Add	34.10	
			For Elevated Installation >30' To 35', Add	38.98	
			For Elevated Installation >35' To 40', Add	48.72	
			For Elevated Installation >40', Add	53.59	
26 05 33 13-0403	EA		3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	1,048.19	46.78
			For Work In Restricted Working Space, Add	35.08	
			For Elevated Installation >10' To 15', Add	11.69	
			For Elevated Installation >15' To 20', Add	23.39	
			For Elevated Installation >20' To 25', Add	29.24	
			For Elevated Installation >25' To 30', Add	40.93	
			For Elevated Installation >30' To 35', Add	46.78	
			For Elevated Installation >35' To 40', Add	58.47	
			For Elevated Installation >40', Add	64.32	
26 05 33 13-0404	EA		4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	1,134.76	50.67
			For Work In Restricted Working Space, Add	38.00	
			For Elevated Installation >10' To 15', Add	12.67	
			For Elevated Installation >15' To 20', Add	25.33	
			For Elevated Installation >20' To 25', Add	31.67	
			For Elevated Installation >25' To 30', Add	44.33	
			For Elevated Installation >30' To 35', Add	50.66	
			For Elevated Installation >35' To 40', Add	63.33	
			For Elevated Installation >40', Add	69.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0405 EA 5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	1,584.86	62.36
For Work In Restricted Working Space, Add	46.77	
For Elevated Installation >10' To 15', Add	15.59	
For Elevated Installation >15' To 20', Add	31.18	
For Elevated Installation >20' To 25', Add	38.98	
For Elevated Installation >25' To 30', Add	54.57	
For Elevated Installation >30' To 35', Add	62.36	
For Elevated Installation >35' To 40', Add	77.95	
For Elevated Installation >40', Add	85.75	
26 05 33 13-0406 EA 6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	1,958.78	69.18
For Work In Restricted Working Space, Add	51.92	
For Elevated Installation >10' To 15', Add	17.31	
For Elevated Installation >15' To 20', Add	34.61	
For Elevated Installation >20' To 25', Add	43.26	
For Elevated Installation >25' To 30', Add	60.57	
For Elevated Installation >30' To 35', Add	69.22	
For Elevated Installation >35' To 40', Add	86.53	
For Elevated Installation >40', Add	95.18	
26 05 33 13-0407 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement (26 05 33 13-0059)		
Note: Type EX		
26 05 33 13-0408 EA 1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	129.42	15.59
For Work In Restricted Working Space, Add	11.69	
For Elevated Installation >10' To 15', Add	3.90	
For Elevated Installation >15' To 20', Add	7.80	
For Elevated Installation >20' To 25', Add	9.75	
For Elevated Installation >25' To 30', Add	13.64	
For Elevated Installation >30' To 35', Add	15.59	
For Elevated Installation >35' To 40', Add	19.49	
For Elevated Installation >40', Add	21.44	
26 05 33 13-0409 EA 3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	163.42	17.54
For Work In Restricted Working Space, Add	13.16	
For Elevated Installation >10' To 15', Add	4.39	
For Elevated Installation >15' To 20', Add	8.77	
For Elevated Installation >20' To 25', Add	10.96	
For Elevated Installation >25' To 30', Add	15.35	
For Elevated Installation >30' To 35', Add	17.54	
For Elevated Installation >35' To 40', Add	21.93	
For Elevated Installation >40', Add	24.12	
26 05 33 13-0410 EA 1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	203.49	19.49
For Work In Restricted Working Space, Add	14.62	
For Elevated Installation >10' To 15', Add	4.87	
For Elevated Installation >15' To 20', Add	9.74	
For Elevated Installation >20' To 25', Add	12.18	
For Elevated Installation >25' To 30', Add	17.05	
For Elevated Installation >30' To 35', Add	19.49	
For Elevated Installation >35' To 40', Add	24.36	
For Elevated Installation >40', Add	26.80	
26 05 33 13-0411 EA 1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	247.62	21.43
For Work In Restricted Working Space, Add	16.08	
For Elevated Installation >10' To 15', Add	5.36	
For Elevated Installation >15' To 20', Add	10.72	
For Elevated Installation >20' To 25', Add	13.40	
For Elevated Installation >25' To 30', Add	18.76	
For Elevated Installation >30' To 35', Add	21.44	
For Elevated Installation >35' To 40', Add	26.80	
For Elevated Installation >40', Add	29.47	
26 05 33 13-0412 EA 1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	333.98	23.39
For Work In Restricted Working Space, Add	17.54	
For Elevated Installation >10' To 15', Add	5.85	
For Elevated Installation >15' To 20', Add	11.69	
For Elevated Installation >20' To 25', Add	14.62	
For Elevated Installation >25' To 30', Add	20.46	
For Elevated Installation >30' To 35', Add	23.38	
For Elevated Installation >35' To 40', Add	29.23	
For Elevated Installation >40', Add	32.15	
26 05 33 13-0413 EA 2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	460.63	25.33
For Work In Restricted Working Space, Add	19.00	
For Elevated Installation >10' To 15', Add	6.33	
For Elevated Installation >15' To 20', Add	12.67	
For Elevated Installation >20' To 25', Add	15.83	
For Elevated Installation >25' To 30', Add	22.17	
For Elevated Installation >30' To 35', Add	25.33	
For Elevated Installation >35' To 40', Add	31.67	
For Elevated Installation >40', Add	34.83	
26 05 33 13-0414 EA 2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	716.33	31.18
For Work In Restricted Working Space, Add	23.39	
For Elevated Installation >10' To 15', Add	7.80	
For Elevated Installation >15' To 20', Add	15.59	
For Elevated Installation >20' To 25', Add	19.49	
For Elevated Installation >25' To 30', Add	27.28	
For Elevated Installation >30' To 35', Add	31.18	
For Elevated Installation >35' To 40', Add	38.98	
For Elevated Installation >40', Add	42.87	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0415 EA 3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	965.86	38.97
For Work In Restricted Working Space, Add	29.23	
For Elevated Installation >10' To 15', Add	9.74	
For Elevated Installation >15' To 20', Add	19.49	
For Elevated Installation >20' To 25', Add	24.36	
For Elevated Installation >25' To 30', Add	34.10	
For Elevated Installation >30' To 35', Add	38.98	
For Elevated Installation >35' To 40', Add	48.72	
For Elevated Installation >40', Add	53.59	
26 05 33 13-0416 EA 3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,451.46	46.78
For Work In Restricted Working Space, Add	35.08	
For Elevated Installation >10' To 15', Add	11.69	
For Elevated Installation >15' To 20', Add	23.39	
For Elevated Installation >20' To 25', Add	29.24	
For Elevated Installation >25' To 30', Add	40.93	
For Elevated Installation >30' To 35', Add	46.78	
For Elevated Installation >35' To 40', Add	58.47	
For Elevated Installation >40', Add	64.32	
26 05 33 13-0417 EA 4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,502.07	50.67
For Work In Restricted Working Space, Add	38.00	
For Elevated Installation >10' To 15', Add	12.67	
For Elevated Installation >15' To 20', Add	25.33	
For Elevated Installation >20' To 25', Add	31.67	
For Elevated Installation >25' To 30', Add	44.33	
For Elevated Installation >30' To 35', Add	50.66	
For Elevated Installation >35' To 40', Add	63.33	
For Elevated Installation >40', Add	69.66	
26 05 33 13-0418 EA 5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	2,261.94	62.36
For Work In Restricted Working Space, Add	46.77	
For Elevated Installation >10' To 15', Add	15.59	
For Elevated Installation >15' To 20', Add	31.18	
For Elevated Installation >20' To 25', Add	38.98	
For Elevated Installation >25' To 30', Add	54.57	
For Elevated Installation >30' To 35', Add	62.36	
For Elevated Installation >35' To 40', Add	77.95	
For Elevated Installation >40', Add	85.75	
26 05 33 13-0419 EA 6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	2,804.92	69.18
For Work In Restricted Working Space, Add	51.92	
For Elevated Installation >10' To 15', Add	17.31	
For Elevated Installation >15' To 20', Add	34.61	
For Elevated Installation >20' To 25', Add	43.26	
For Elevated Installation >25' To 30', Add	60.57	
For Elevated Installation >30' To 35', Add	69.22	
For Elevated Installation >35' To 40', Add	86.53	
For Elevated Installation >40', Add	95.18	
26 05 33 13-0420 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings (26 05 33 13-0059)		
Note: Type DX		
26 05 33 13-0421 EA 1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	226.07	15.59
For Work In Restricted Working Space, Add	11.69	
For Elevated Installation >10' To 15', Add	3.90	
For Elevated Installation >15' To 20', Add	7.80	
For Elevated Installation >20' To 25', Add	9.75	
For Elevated Installation >25' To 30', Add	13.64	
For Elevated Installation >30' To 35', Add	15.59	
For Elevated Installation >35' To 40', Add	19.49	
For Elevated Installation >40', Add	21.44	
26 05 33 13-0422 EA 3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	269.41	17.54
For Work In Restricted Working Space, Add	13.16	
For Elevated Installation >10' To 15', Add	4.39	
For Elevated Installation >15' To 20', Add	8.77	
For Elevated Installation >20' To 25', Add	10.96	
For Elevated Installation >25' To 30', Add	15.35	
For Elevated Installation >30' To 35', Add	17.54	
For Elevated Installation >35' To 40', Add	21.93	
For Elevated Installation >40', Add	24.12	
26 05 33 13-0423 EA 1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	325.81	19.49
For Work In Restricted Working Space, Add	14.62	
For Elevated Installation >10' To 15', Add	4.87	
For Elevated Installation >15' To 20', Add	9.74	
For Elevated Installation >20' To 25', Add	12.18	
For Elevated Installation >25' To 30', Add	17.05	
For Elevated Installation >30' To 35', Add	19.49	
For Elevated Installation >35' To 40', Add	24.36	
For Elevated Installation >40', Add	26.80	
26 05 33 13-0424 EA 1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	383.15	21.43
For Work In Restricted Working Space, Add	16.08	
For Elevated Installation >10' To 15', Add	5.36	
For Elevated Installation >15' To 20', Add	10.72	
For Elevated Installation >20' To 25', Add	13.40	
For Elevated Installation >25' To 30', Add	18.76	
For Elevated Installation >30' To 35', Add	21.44	
For Elevated Installation >35' To 40', Add	26.80	
For Elevated Installation >40', Add	29.47	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0425	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	423.73	23.39
		For Work In Restricted Working Space, Add	17.54	
		For Elevated Installation >10' To 15', Add	5.85	
		For Elevated Installation >15' To 20', Add	11.69	
		For Elevated Installation >20' To 25', Add	14.62	
		For Elevated Installation >25' To 30', Add	20.46	
		For Elevated Installation >30' To 35', Add	23.38	
		For Elevated Installation >35' To 40', Add	29.23	
		For Elevated Installation >40', Add	32.15	
26 05 33 13-0426	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	524.01	25.33
		For Work In Restricted Working Space, Add	19.00	
		For Elevated Installation >10' To 15', Add	6.33	
		For Elevated Installation >15' To 20', Add	12.67	
		For Elevated Installation >20' To 25', Add	15.83	
		For Elevated Installation >25' To 30', Add	22.17	
		For Elevated Installation >30' To 35', Add	25.33	
		For Elevated Installation >35' To 40', Add	31.67	
		For Elevated Installation >40', Add	34.83	
26 05 33 13-0427	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	692.80	31.18
		For Work In Restricted Working Space, Add	23.39	
		For Elevated Installation >10' To 15', Add	7.80	
		For Elevated Installation >15' To 20', Add	15.59	
		For Elevated Installation >20' To 25', Add	19.49	
		For Elevated Installation >25' To 30', Add	27.28	
		For Elevated Installation >30' To 35', Add	31.18	
		For Elevated Installation >35' To 40', Add	38.98	
		For Elevated Installation >40', Add	42.87	
26 05 33 13-0428	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	878.66	38.97
		For Work In Restricted Working Space, Add	29.23	
		For Elevated Installation >10' To 15', Add	9.74	
		For Elevated Installation >15' To 20', Add	19.49	
		For Elevated Installation >20' To 25', Add	24.36	
		For Elevated Installation >25' To 30', Add	34.10	
		For Elevated Installation >30' To 35', Add	38.98	
		For Elevated Installation >35' To 40', Add	48.72	
		For Elevated Installation >40', Add	53.59	
26 05 33 13-0429	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	988.41	46.78
		For Work In Restricted Working Space, Add	35.08	
		For Elevated Installation >10' To 15', Add	11.69	
		For Elevated Installation >15' To 20', Add	23.39	
		For Elevated Installation >20' To 25', Add	29.24	
		For Elevated Installation >25' To 30', Add	40.93	
		For Elevated Installation >30' To 35', Add	46.78	
		For Elevated Installation >35' To 40', Add	58.47	
		For Elevated Installation >40', Add	64.32	
26 05 33 13-0430	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,199.09	50.67
		For Work In Restricted Working Space, Add	38.00	
		For Elevated Installation >10' To 15', Add	12.67	
		For Elevated Installation >15' To 20', Add	25.33	
		For Elevated Installation >20' To 25', Add	31.67	
		For Elevated Installation >25' To 30', Add	44.33	
		For Elevated Installation >30' To 35', Add	50.66	
		For Elevated Installation >35' To 40', Add	63.33	
		For Elevated Installation >40', Add	69.66	
26 05 33 13-0431	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	2,053.01	62.36
		For Work In Restricted Working Space, Add	46.77	
		For Elevated Installation >10' To 15', Add	15.59	
		For Elevated Installation >15' To 20', Add	31.18	
		For Elevated Installation >20' To 25', Add	38.98	
		For Elevated Installation >25' To 30', Add	54.57	
		For Elevated Installation >30' To 35', Add	62.36	
		For Elevated Installation >35' To 40', Add	77.95	
		For Elevated Installation >40', Add	85.75	
26 05 33 13-0432	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	3,266.97	69.18
		For Work In Restricted Working Space, Add	51.92	
		For Elevated Installation >10' To 15', Add	17.31	
		For Elevated Installation >15' To 20', Add	34.61	
		For Elevated Installation >20' To 25', Add	43.26	
		For Elevated Installation >25' To 30', Add	60.57	
		For Elevated Installation >30' To 35', Add	69.22	
		For Elevated Installation >35' To 40', Add	86.53	
		For Elevated Installation >40', Add	95.18	
26 05 33 13-0433		Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers (26 05 33 13-0059)		
26 05 33 13-0434	EA	1/2" To 3/4" Conduit, 14" Bonding Jumper.....	58.06	7.79
		For Work In Restricted Working Space, Add	5.85	
		For Elevated Installation >10' To 15', Add	1.95	
		For Elevated Installation >15' To 20', Add	3.90	
		For Elevated Installation >20' To 25', Add	4.87	
		For Elevated Installation >25' To 30', Add	6.82	
		For Elevated Installation >30' To 35', Add	7.80	
		For Elevated Installation >35' To 40', Add	9.75	
		For Elevated Installation >40', Add	10.72	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0435	EA		1" To 1-1/4" Conduit, 14" Bonding Jumper.....	66.83	9.75
			For Work In Restricted Working Space, Add	7.31	
			For Elevated Installation >10' To 15', Add	2.44	
			For Elevated Installation >15' To 20', Add	4.87	
			For Elevated Installation >20' To 25', Add	6.09	
			For Elevated Installation >25' To 30', Add	8.53	
			For Elevated Installation >30' To 35', Add	9.74	
			For Elevated Installation >35' To 40', Add	12.18	
			For Elevated Installation >40', Add	13.40	
26 05 33 13-0436	EA		1-1/2" To 2" Conduit, 14" Bonding Jumper.....	82.42	11.69
			For Work In Restricted Working Space, Add	8.77	
			For Elevated Installation >10' To 15', Add	2.92	
			For Elevated Installation >15' To 20', Add	5.85	
			For Elevated Installation >20' To 25', Add	7.31	
			For Elevated Installation >25' To 30', Add	10.23	
			For Elevated Installation >30' To 35', Add	11.69	
			For Elevated Installation >35' To 40', Add	14.62	
			For Elevated Installation >40', Add	16.08	
26 05 33 13-0437	EA		2-1/2" To 3" Conduit, 14" Bonding Jumper.....	115.83	15.59
			For Work In Restricted Working Space, Add	11.69	
			For Elevated Installation >10' To 15', Add	3.90	
			For Elevated Installation >15' To 20', Add	7.79	
			For Elevated Installation >20' To 25', Add	9.74	
			For Elevated Installation >25' To 30', Add	13.64	
			For Elevated Installation >30' To 35', Add	15.59	
			For Elevated Installation >35' To 40', Add	19.49	
			For Elevated Installation >40', Add	21.43	
26 05 33 13-0438	EA		3-1/2" To 4" Conduit, 14" Bonding Jumper.....	175.52	23.39
			For Work In Restricted Working Space, Add	17.54	
			For Elevated Installation >10' To 15', Add	5.85	
			For Elevated Installation >15' To 20', Add	11.69	
			For Elevated Installation >20' To 25', Add	14.62	
			For Elevated Installation >25' To 30', Add	20.46	
			For Elevated Installation >30' To 35', Add	23.39	
			For Elevated Installation >35' To 40', Add	29.24	
			For Elevated Installation >40', Add	32.16	
26 05 33 13-0439	EA		5" To 6" Conduit, 14" Bonding Jumper.....	300.34	31.18
			For Work In Restricted Working Space, Add	23.39	
			For Elevated Installation >10' To 15', Add	7.80	
			For Elevated Installation >15' To 20', Add	15.59	
			For Elevated Installation >20' To 25', Add	19.49	
			For Elevated Installation >25' To 30', Add	27.28	
			For Elevated Installation >30' To 35', Add	31.18	
			For Elevated Installation >35' To 40', Add	38.98	
			For Elevated Installation >40', Add	42.87	
26 05 33 13-0440	EA		1/2" To 3/4" Conduit, 24" Bonding Jumper.....	64.67	7.79
			For Work In Restricted Working Space, Add	5.85	
			For Elevated Installation >10' To 15', Add	1.95	
			For Elevated Installation >15' To 20', Add	3.90	
			For Elevated Installation >20' To 25', Add	4.87	
			For Elevated Installation >25' To 30', Add	6.82	
			For Elevated Installation >30' To 35', Add	7.80	
			For Elevated Installation >35' To 40', Add	9.75	
			For Elevated Installation >40', Add	10.72	
26 05 33 13-0441	EA		1" To 1-1/4" Conduit, 24" Bonding Jumper.....	75.18	9.75
			For Work In Restricted Working Space, Add	7.31	
			For Elevated Installation >10' To 15', Add	2.44	
			For Elevated Installation >15' To 20', Add	4.87	
			For Elevated Installation >20' To 25', Add	6.09	
			For Elevated Installation >25' To 30', Add	8.53	
			For Elevated Installation >30' To 35', Add	9.74	
			For Elevated Installation >35' To 40', Add	12.18	
			For Elevated Installation >40', Add	13.40	
26 05 33 13-0442	EA		1-1/2" To 2" Conduit, 24" Bonding Jumper.....	90.06	11.69
			For Work In Restricted Working Space, Add	8.77	
			For Elevated Installation >10' To 15', Add	2.92	
			For Elevated Installation >15' To 20', Add	5.85	
			For Elevated Installation >20' To 25', Add	7.31	
			For Elevated Installation >25' To 30', Add	10.23	
			For Elevated Installation >30' To 35', Add	11.69	
			For Elevated Installation >35' To 40', Add	14.62	
			For Elevated Installation >40', Add	16.08	
26 05 33 13-0443	EA		2-1/2" To 3" Conduit, 24" Bonding Jumper.....	125.98	15.59
			For Work In Restricted Working Space, Add	11.69	
			For Elevated Installation >10' To 15', Add	3.90	
			For Elevated Installation >15' To 20', Add	7.79	
			For Elevated Installation >20' To 25', Add	9.74	
			For Elevated Installation >25' To 30', Add	13.64	
			For Elevated Installation >30' To 35', Add	15.59	
			For Elevated Installation >35' To 40', Add	19.49	
			For Elevated Installation >40', Add	21.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0444 EA 3-1/2" To 4" Conduit, 24" Bonding Jumper.....	188.99	23.39
For Work In Restricted Working Space, Add	17.54	
For Elevated Installation >10' To 15', Add	5.85	
For Elevated Installation >15' To 20', Add	11.69	
For Elevated Installation >20' To 25', Add	14.62	
For Elevated Installation >25' To 30', Add	20.46	
For Elevated Installation >30' To 35', Add	23.39	
For Elevated Installation >35' To 40', Add	29.24	
For Elevated Installation >40', Add	32.16	
26 05 33 13-0445 EA 5" To 6" Conduit, 24" Bonding Jumper.....	343.77	31.18
For Work In Restricted Working Space, Add	23.39	
For Elevated Installation >10' To 15', Add	7.80	
For Elevated Installation >15' To 20', Add	15.59	
For Elevated Installation >20' To 25', Add	19.49	
For Elevated Installation >25' To 30', Add	27.28	
For Elevated Installation >30' To 35', Add	31.18	
For Elevated Installation >35' To 40', Add	38.98	
For Elevated Installation >40', Add	42.87	
26 05 33 13-0446 Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal (26 05 33 13-0059)		
26 05 33 13-0447 EA 1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	86.73	24.36
For Work In Restricted Working Space, Add	14.62	
For Elevated Installation >10' To 15', Add	4.87	
For Elevated Installation >15' To 20', Add	9.74	
For Elevated Installation >20' To 25', Add	12.18	
For Elevated Installation >25' To 30', Add	17.05	
For Elevated Installation >30' To 35', Add	19.49	
For Elevated Installation >35' To 40', Add	24.36	
For Elevated Installation >40', Add	26.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.62	
26 05 33 13-0448 EA 3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	103.10	29.23
For Work In Restricted Working Space, Add	17.54	
For Elevated Installation >10' To 15', Add	5.85	
For Elevated Installation >15' To 20', Add	11.69	
For Elevated Installation >20' To 25', Add	14.62	
For Elevated Installation >25' To 30', Add	20.46	
For Elevated Installation >30' To 35', Add	23.38	
For Elevated Installation >35' To 40', Add	29.23	
For Elevated Installation >40', Add	32.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.54	
26 05 33 13-0449 EA 1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	125.59	34.11
For Work In Restricted Working Space, Add	20.46	
For Elevated Installation >10' To 15', Add	6.82	
For Elevated Installation >15' To 20', Add	13.64	
For Elevated Installation >20' To 25', Add	17.05	
For Elevated Installation >25' To 30', Add	23.87	
For Elevated Installation >30' To 35', Add	27.28	
For Elevated Installation >35' To 40', Add	34.11	
For Elevated Installation >40', Add	37.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.46	
26 05 33 13-0450 EA 1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	147.63	38.97
For Work In Restricted Working Space, Add	23.39	
For Elevated Installation >10' To 15', Add	7.80	
For Elevated Installation >15' To 20', Add	15.59	
For Elevated Installation >20' To 25', Add	19.49	
For Elevated Installation >25' To 30', Add	27.28	
For Elevated Installation >30' To 35', Add	31.18	
For Elevated Installation >35' To 40', Add	38.98	
For Elevated Installation >40', Add	42.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.39	
26 05 33 13-0451 EA 1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	192.59	43.85
For Work In Restricted Working Space, Add	26.31	
For Elevated Installation >10' To 15', Add	8.77	
For Elevated Installation >15' To 20', Add	17.54	
For Elevated Installation >20' To 25', Add	21.92	
For Elevated Installation >25' To 30', Add	30.69	
For Elevated Installation >30' To 35', Add	35.08	
For Elevated Installation >35' To 40', Add	43.85	
For Elevated Installation >40', Add	48.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.31	
26 05 33 13-0452 EA 2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	233.35	48.72
For Work In Restricted Working Space, Add	29.23	
For Elevated Installation >10' To 15', Add	9.74	
For Elevated Installation >15' To 20', Add	19.49	
For Elevated Installation >20' To 25', Add	24.36	
For Elevated Installation >25' To 30', Add	34.10	
For Elevated Installation >30' To 35', Add	38.98	
For Elevated Installation >35' To 40', Add	48.72	
For Elevated Installation >40', Add	53.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.23	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0453	EA		2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal	328.10	58.46
			For Work In Restricted Working Space, Add	35.08	
			For Elevated Installation >10' To 15', Add	11.69	
			For Elevated Installation >15' To 20', Add	23.39	
			For Elevated Installation >20' To 25', Add	29.23	
			For Elevated Installation >25' To 30', Add	40.93	
			For Elevated Installation >30' To 35', Add	46.77	
			For Elevated Installation >35' To 40', Add	58.47	
			For Elevated Installation >40', Add	64.31	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.08	
26 05 33 13-0454	EA		3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	394.36	68.21
			For Work In Restricted Working Space, Add	40.92	
			For Elevated Installation >10' To 15', Add	13.64	
			For Elevated Installation >15' To 20', Add	27.28	
			For Elevated Installation >20' To 25', Add	34.10	
			For Elevated Installation >25' To 30', Add	47.74	
			For Elevated Installation >30' To 35', Add	54.56	
			For Elevated Installation >35' To 40', Add	68.21	
			For Elevated Installation >40', Add	75.03	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.92	
26 05 33 13-0455	EA		3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	899.84	77.95
			For Work In Restricted Working Space, Add	46.77	
			For Elevated Installation >10' To 15', Add	15.59	
			For Elevated Installation >15' To 20', Add	31.18	
			For Elevated Installation >20' To 25', Add	38.98	
			For Elevated Installation >25' To 30', Add	54.57	
			For Elevated Installation >30' To 35', Add	62.36	
			For Elevated Installation >35' To 40', Add	77.95	
			For Elevated Installation >40', Add	85.75	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.77	
26 05 33 13-0456	EA		4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	1,036.39	87.69
			For Work In Restricted Working Space, Add	52.62	
			For Elevated Installation >10' To 15', Add	17.54	
			For Elevated Installation >15' To 20', Add	35.08	
			For Elevated Installation >20' To 25', Add	43.85	
			For Elevated Installation >25' To 30', Add	61.39	
			For Elevated Installation >30' To 35', Add	70.16	
			For Elevated Installation >35' To 40', Add	87.70	
			For Elevated Installation >40', Add	96.46	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.62	
26 05 33 13-0457			Rigid Galvanized Steel (RGS) Threaded Couplings (26 05 33 13-0059)		
26 05 33 13-0458	EA		1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	12.53	5.85
			For Work In Restricted Working Space, Add	3.51	
			For Elevated Installation >10' To 15', Add	1.17	
			For Elevated Installation >15' To 20', Add	2.34	
			For Elevated Installation >20' To 25', Add	2.92	
			For Elevated Installation >25' To 30', Add	4.09	
			For Elevated Installation >30' To 35', Add	4.68	
			For Elevated Installation >35' To 40', Add	5.85	
			For Elevated Installation >40', Add	6.43	
26 05 33 13-0459	EA		3/4" Rigid Galvanized Steel (RGS) Threaded Coupling	17.62	8.28
			For Work In Restricted Working Space, Add	4.97	
			For Elevated Installation >10' To 15', Add	1.66	
			For Elevated Installation >15' To 20', Add	3.31	
			For Elevated Installation >20' To 25', Add	4.14	
			For Elevated Installation >25' To 30', Add	5.80	
			For Elevated Installation >30' To 35', Add	6.63	
			For Elevated Installation >35' To 40', Add	8.29	
			For Elevated Installation >40', Add	9.11	
26 05 33 13-0460	EA		1" Rigid Galvanized Steel (RGS) Threaded Coupling	23.03	10.72
			For Work In Restricted Working Space, Add	6.43	
			For Elevated Installation >10' To 15', Add	2.14	
			For Elevated Installation >15' To 20', Add	4.29	
			For Elevated Installation >20' To 25', Add	5.36	
			For Elevated Installation >25' To 30', Add	7.50	
			For Elevated Installation >30' To 35', Add	8.57	
			For Elevated Installation >35' To 40', Add	10.72	
			For Elevated Installation >40', Add	11.79	
26 05 33 13-0461	EA		1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling	26.38	12.18
			For Work In Restricted Working Space, Add	7.31	
			For Elevated Installation >10' To 15', Add	2.44	
			For Elevated Installation >15' To 20', Add	4.87	
			For Elevated Installation >20' To 25', Add	6.09	
			For Elevated Installation >25' To 30', Add	8.53	
			For Elevated Installation >30' To 35', Add	9.74	
			For Elevated Installation >35' To 40', Add	12.18	
			For Elevated Installation >40', Add	13.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0462 EA 1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	31.76	14.61
For Work In Restricted Working Space, Add	8.77	
For Elevated Installation >10' To 15', Add	2.92	
For Elevated Installation >15' To 20', Add	5.85	
For Elevated Installation >20' To 25', Add	7.31	
For Elevated Installation >25' To 30', Add	10.23	
For Elevated Installation >30' To 35', Add	11.69	
For Elevated Installation >35' To 40', Add	14.62	
For Elevated Installation >40', Add	16.08	
26 05 33 13-0463 EA 2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	36.90	16.57
For Work In Restricted Working Space, Add	9.94	
For Elevated Installation >10' To 15', Add	3.31	
For Elevated Installation >15' To 20', Add	6.63	
For Elevated Installation >20' To 25', Add	8.28	
For Elevated Installation >25' To 30', Add	11.60	
For Elevated Installation >30' To 35', Add	13.25	
For Elevated Installation >35' To 40', Add	16.57	
For Elevated Installation >40', Add	18.22	
26 05 33 13-0464 EA 2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	45.50	18.51
For Work In Restricted Working Space, Add	11.11	
For Elevated Installation >10' To 15', Add	3.70	
For Elevated Installation >15' To 20', Add	7.41	
For Elevated Installation >20' To 25', Add	9.26	
For Elevated Installation >25' To 30', Add	12.96	
For Elevated Installation >30' To 35', Add	14.81	
For Elevated Installation >35' To 40', Add	18.52	
For Elevated Installation >40', Add	20.37	
26 05 33 13-0465 EA 3" Rigid Galvanized Steel (RGS) Threaded Coupling.....	52.92	20.95
For Work In Restricted Working Space, Add	12.57	
For Elevated Installation >10' To 15', Add	4.19	
For Elevated Installation >15' To 20', Add	8.38	
For Elevated Installation >20' To 25', Add	10.48	
For Elevated Installation >25' To 30', Add	14.67	
For Elevated Installation >30' To 35', Add	16.76	
For Elevated Installation >35' To 40', Add	20.95	
For Elevated Installation >40', Add	23.05	
26 05 33 13-0466 EA 3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	60.67	22.90
For Work In Restricted Working Space, Add	13.74	
For Elevated Installation >10' To 15', Add	4.58	
For Elevated Installation >15' To 20', Add	9.16	
For Elevated Installation >20' To 25', Add	11.45	
For Elevated Installation >25' To 30', Add	16.03	
For Elevated Installation >30' To 35', Add	18.32	
For Elevated Installation >35' To 40', Add	22.90	
For Elevated Installation >40', Add	25.18	
26 05 33 13-0467 EA 4" Threaded Rigid Galvanized Steel (RGS) Coupling.....	64.22	24.36
For Work In Restricted Working Space, Add	14.62	
For Elevated Installation >10' To 15', Add	4.87	
For Elevated Installation >15' To 20', Add	9.74	
For Elevated Installation >20' To 25', Add	12.18	
For Elevated Installation >25' To 30', Add	17.05	
For Elevated Installation >30' To 35', Add	19.49	
For Elevated Installation >35' To 40', Add	24.36	
For Elevated Installation >40', Add	26.80	
26 05 33 13-0468 Rigid Galvanized Steel (RGS) Sealing Locknut (26 05 33 13-0059)		
26 05 33 13-0469 EA 1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	2.69	0.97
26 05 33 13-0470 EA 3/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	3.78	1.46
26 05 33 13-0471 EA 1" Rigid Galvanized Steel (RGS) Sealing Locknut.....	6.28	2.44
26 05 33 13-0472 EA 1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	9.02	3.41
26 05 33 13-0473 EA 1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	10.70	3.90
26 05 33 13-0474 EA 2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	12.47	4.38
26 05 33 13-0475 Rigid Galvanized Steel (RGS) Fire Stop Fittings (26 05 33 13-0059)		
26 05 33 13-0476 EA 1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	181.01	11.82
For Work In Restricted Working Space, Add	8.87	
For Elevated Installation >10' To 15', Add	2.96	
For Elevated Installation >15' To 20', Add	5.91	
For Elevated Installation >20' To 25', Add	7.39	
For Elevated Installation >25' To 30', Add	10.35	
For Elevated Installation >30' To 35', Add	11.83	
For Elevated Installation >35' To 40', Add	14.79	
For Elevated Installation >40', Add	16.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.87	
26 05 33 13-0477 EA 3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	183.85	12.96
For Work In Restricted Working Space, Add	9.72	
For Elevated Installation >10' To 15', Add	3.24	
For Elevated Installation >15' To 20', Add	6.48	
For Elevated Installation >20' To 25', Add	8.10	
For Elevated Installation >25' To 30', Add	11.34	
For Elevated Installation >30' To 35', Add	12.96	
For Elevated Installation >35' To 40', Add	16.21	
For Elevated Installation >40', Add	17.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.72	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0478	EA	1" Rigid Galvanized Steel (RGS) Fire Stop Fitting	220.85	14.22
		For Work In Restricted Working Space, Add	10.65	
		For Elevated Installation >10' To 15', Add	3.55	
		For Elevated Installation >15' To 20', Add	7.10	
		For Elevated Installation >20' To 25', Add	8.88	
		For Elevated Installation >25' To 30', Add	12.43	
		For Elevated Installation >30' To 35', Add	14.20	
		For Elevated Installation >35' To 40', Add	17.75	
		For Elevated Installation >40', Add	19.53	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.65	
26 05 33 13-0479	EA	1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	242.44	15.59
		For Work In Restricted Working Space, Add	11.70	
		For Elevated Installation >10' To 15', Add	3.90	
		For Elevated Installation >15' To 20', Add	7.80	
		For Elevated Installation >20' To 25', Add	9.75	
		For Elevated Installation >25' To 30', Add	13.65	
		For Elevated Installation >30' To 35', Add	15.60	
		For Elevated Installation >35' To 40', Add	19.51	
		For Elevated Installation >40', Add	21.46	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.70	
26 05 33 13-0480	EA	1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	276.67	17.54
		For Work In Restricted Working Space, Add	13.16	
		For Elevated Installation >10' To 15', Add	4.39	
		For Elevated Installation >15' To 20', Add	8.77	
		For Elevated Installation >20' To 25', Add	10.96	
		For Elevated Installation >25' To 30', Add	15.35	
		For Elevated Installation >30' To 35', Add	17.54	
		For Elevated Installation >35' To 40', Add	21.93	
		For Elevated Installation >40', Add	24.12	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.16	
26 05 33 13-0481	EA	2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	410.40	19.49
		For Work In Restricted Working Space, Add	14.62	
		For Elevated Installation >10' To 15', Add	4.87	
		For Elevated Installation >15' To 20', Add	9.75	
		For Elevated Installation >20' To 25', Add	12.19	
		For Elevated Installation >25' To 30', Add	17.06	
		For Elevated Installation >30' To 35', Add	19.50	
		For Elevated Installation >35' To 40', Add	24.37	
		For Elevated Installation >40', Add	26.81	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.62	
26 05 33 13-0482	EA	2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	471.87	26.02
		For Work In Restricted Working Space, Add	19.50	
		For Elevated Installation >10' To 15', Add	6.50	
		For Elevated Installation >15' To 20', Add	13.00	
		For Elevated Installation >20' To 25', Add	16.25	
		For Elevated Installation >25' To 30', Add	22.75	
		For Elevated Installation >30' To 35', Add	26.00	
		For Elevated Installation >35' To 40', Add	32.50	
		For Elevated Installation >40', Add	35.75	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.50	
26 05 33 13-0483	EA	3" Rigid Galvanized Steel (RGS) Fire Stop Fitting	523.50	28.55
		For Work In Restricted Working Space, Add	21.43	
		For Elevated Installation >10' To 15', Add	7.14	
		For Elevated Installation >15' To 20', Add	14.29	
		For Elevated Installation >20' To 25', Add	17.86	
		For Elevated Installation >25' To 30', Add	25.00	
		For Elevated Installation >30' To 35', Add	28.57	
		For Elevated Installation >35' To 40', Add	35.72	
		For Elevated Installation >40', Add	39.29	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.43	
26 05 33 13-0484	EA	3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	609.15	31.18
		For Work In Restricted Working Space, Add	23.39	
		For Elevated Installation >10' To 15', Add	7.80	
		For Elevated Installation >15' To 20', Add	15.59	
		For Elevated Installation >20' To 25', Add	19.49	
		For Elevated Installation >25' To 30', Add	27.29	
		For Elevated Installation >30' To 35', Add	31.18	
		For Elevated Installation >35' To 40', Add	38.98	
		For Elevated Installation >40', Add	42.88	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.39	
26 05 33 13-0485	EA	4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	686.69	35.08
		For Work In Restricted Working Space, Add	26.31	
		For Elevated Installation >10' To 15', Add	8.77	
		For Elevated Installation >15' To 20', Add	17.54	
		For Elevated Installation >20' To 25', Add	21.92	
		For Elevated Installation >25' To 30', Add	30.69	
		For Elevated Installation >30' To 35', Add	35.08	
		For Elevated Installation >35' To 40', Add	43.85	
		For Elevated Installation >40', Add	48.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0486 EA 5" Rigid Galvanized Steel (RGS) Fire Stop Fitting For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	922.48 29.23 9.74 19.49 24.36 34.10 38.98 48.72 53.59 29.23	38.97
26 05 33 13-0487 EA 6" Rigid Galvanized Steel (RGS) Fire Stop Fitting For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,147.92 32.45 10.82 21.63 27.04 37.85 43.26 54.08 59.48 32.45	43.26
26 05 33 13-0488 Rigid Galvanized Steel (RGS) Reducing Bushings (26 05 33 13-0058)		
26 05 33 13-0489 EA 3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.67 4.53 1.51 3.02 3.78 5.29 6.04 7.55 8.31 4.53	7.55
26 05 33 13-0490 EA 1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.13 4.82 1.61 3.22 4.02 5.63 6.43 8.04 8.84 4.82	8.04
26 05 33 13-0491 EA 1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.62 4.97 1.66 3.31 4.14 5.80 6.63 8.29 9.11 4.97	8.28
26 05 33 13-0492 EA 1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.78 5.12 1.71 3.41 4.26 5.97 6.82 8.53 9.38 5.12	8.52
26 05 33 13-0493 EA 1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.27 5.26 1.75 3.51 4.39 6.14 7.02 8.77 9.65 5.26	8.77
26 05 33 13-0494 EA 1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.24 5.55 1.85 3.70 4.63 6.48 7.40 9.26 10.18 5.55	9.26

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0495	EA	1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	.....	22.80	9.75
		For Work In Restricted Working Space, Add		5.85	
		For Elevated Installation >10' To 15', Add		1.95	
		For Elevated Installation >15' To 20', Add		3.90	
		For Elevated Installation >20' To 25', Add		4.87	
		For Elevated Installation >25' To 30', Add		6.82	
		For Elevated Installation >30' To 35', Add		7.80	
		For Elevated Installation >35' To 40', Add		9.75	
		For Elevated Installation >40', Add		10.72	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		5.85	
26 05 33 13-0496	EA	1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	.....	23.29	9.99
		For Work In Restricted Working Space, Add		5.99	
		For Elevated Installation >10' To 15', Add		2.00	
		For Elevated Installation >15' To 20', Add		4.00	
		For Elevated Installation >20' To 25', Add		5.00	
		For Elevated Installation >25' To 30', Add		6.99	
		For Elevated Installation >30' To 35', Add		7.99	
		For Elevated Installation >35' To 40', Add		9.99	
		For Elevated Installation >40', Add		10.99	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		5.99	
26 05 33 13-0497	EA	1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	.....	24.26	10.47
		For Work In Restricted Working Space, Add		6.29	
		For Elevated Installation >10' To 15', Add		2.10	
		For Elevated Installation >15' To 20', Add		4.19	
		For Elevated Installation >20' To 25', Add		5.24	
		For Elevated Installation >25' To 30', Add		7.33	
		For Elevated Installation >30' To 35', Add		8.38	
		For Elevated Installation >35' To 40', Add		10.48	
		For Elevated Installation >40', Add		11.52	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		6.29	
26 05 33 13-0498	EA	1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	.....	25.23	10.96
		For Work In Restricted Working Space, Add		6.58	
		For Elevated Installation >10' To 15', Add		2.19	
		For Elevated Installation >15' To 20', Add		4.38	
		For Elevated Installation >20' To 25', Add		5.48	
		For Elevated Installation >25' To 30', Add		7.67	
		For Elevated Installation >30' To 35', Add		8.77	
		For Elevated Installation >35' To 40', Add		10.96	
		For Elevated Installation >40', Add		12.06	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		6.58	
26 05 33 13-0499	EA	2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	.....	29.18	10.96
		For Work In Restricted Working Space, Add		6.58	
		For Elevated Installation >10' To 15', Add		2.19	
		For Elevated Installation >15' To 20', Add		4.38	
		For Elevated Installation >20' To 25', Add		5.48	
		For Elevated Installation >25' To 30', Add		7.67	
		For Elevated Installation >30' To 35', Add		8.77	
		For Elevated Installation >35' To 40', Add		10.96	
		For Elevated Installation >40', Add		12.06	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		6.58	
26 05 33 13-0500	EA	2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	.....	29.67	11.20
		For Work In Restricted Working Space, Add		6.72	
		For Elevated Installation >10' To 15', Add		2.24	
		For Elevated Installation >15' To 20', Add		4.48	
		For Elevated Installation >20' To 25', Add		5.60	
		For Elevated Installation >25' To 30', Add		7.84	
		For Elevated Installation >30' To 35', Add		8.96	
		For Elevated Installation >35' To 40', Add		11.21	
		For Elevated Installation >40', Add		12.33	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		6.72	
26 05 33 13-0501	EA	2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	.....	30.65	11.69
		For Work In Restricted Working Space, Add		7.02	
		For Elevated Installation >10' To 15', Add		2.34	
		For Elevated Installation >15' To 20', Add		4.68	
		For Elevated Installation >20' To 25', Add		5.85	
		For Elevated Installation >25' To 30', Add		8.19	
		For Elevated Installation >30' To 35', Add		9.36	
		For Elevated Installation >35' To 40', Add		11.70	
		For Elevated Installation >40', Add		12.86	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		7.02	
26 05 33 13-0502	EA	2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	.....	31.62	12.18
		For Work In Restricted Working Space, Add		7.31	
		For Elevated Installation >10' To 15', Add		2.44	
		For Elevated Installation >15' To 20', Add		4.87	
		For Elevated Installation >20' To 25', Add		6.09	
		For Elevated Installation >25' To 30', Add		8.53	
		For Elevated Installation >30' To 35', Add		9.74	
		For Elevated Installation >35' To 40', Add		12.18	
		For Elevated Installation >40', Add		13.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		7.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0503 EA 2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.06 8.04 2.68 5.36 6.70 9.38 10.72 13.40 14.74 8.04	13.40
26 05 33 13-0504 EA 2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.43 9.50 3.17 6.33 7.92 11.08 12.67 15.84 17.42 9.50	15.84
26 05 33 13-0505 Rigid Galvanized Steel (RGS) Locknuts (26 05 33 13-0059)		
26 05 33 13-0506 EA 1/2" Rigid Galvanized Steel (RGS) Locknuts For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	2.00 0.59 0.20 0.39 0.49 0.68 0.78 0.98 1.07	0.97
26 05 33 13-0507 EA 3/4" Rigid Galvanized Steel (RGS) Locknuts For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	2.99 0.88 0.29 0.58 0.73 1.02 1.17 1.46 1.61	1.46
26 05 33 13-0508 EA 1" Rigid Galvanized Steel (RGS) Locknuts For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	4.99 1.46 0.49 0.97 1.22 1.70 1.95 2.44 2.68	2.44
26 05 33 13-0509 EA 1-1/4" Rigid Galvanized Steel (RGS) Locknuts For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	7.02 2.05 0.68 1.36 1.71 2.39 2.73 3.41 3.75	3.41
26 05 33 13-0510 EA 1-1/2" Rigid Galvanized Steel (RGS) Locknuts For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	8.05 2.34 0.78 1.56 1.95 2.73 3.12 3.90 4.28	3.90
26 05 33 13-0511 EA 2" Rigid Galvanized Steel (RGS) Locknuts For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	9.09 2.63 0.88 1.75 2.19 3.07 3.51 4.39 4.82	4.38
26 05 33 13-0512 EA 2-1/2" Rigid Galvanized Steel (RGS) Locknuts For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	12.55 3.51 1.17 2.34 2.92 4.09 4.68 5.85 6.43	5.85

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0513 EA 3" Rigid Galvanized Steel (RGS) Locknuts	15.56	7.31
For Work In Restricted Working Space, Add	4.38	
For Elevated Installation >10' To 15', Add	1.46	
For Elevated Installation >15' To 20', Add	2.92	
For Elevated Installation >20' To 25', Add	3.65	
For Elevated Installation >25' To 30', Add	5.11	
For Elevated Installation >30' To 35', Add	5.84	
For Elevated Installation >35' To 40', Add	7.31	
For Elevated Installation >40', Add	8.04	
26 05 33 13-0514 EA 3-1/2" Rigid Galvanized Steel (RGS) Locknuts	18.15	8.28
For Work In Restricted Working Space, Add	4.97	
For Elevated Installation >10' To 15', Add	1.66	
For Elevated Installation >15' To 20', Add	3.31	
For Elevated Installation >20' To 25', Add	4.14	
For Elevated Installation >25' To 30', Add	5.80	
For Elevated Installation >30' To 35', Add	6.63	
For Elevated Installation >35' To 40', Add	8.29	
For Elevated Installation >40', Add	9.11	
26 05 33 13-0515 EA 4" Rigid Galvanized Steel (RGS) Locknuts	20.33	9.26
For Work In Restricted Working Space, Add	5.55	
For Elevated Installation >10' To 15', Add	1.85	
For Elevated Installation >15' To 20', Add	3.70	
For Elevated Installation >20' To 25', Add	4.63	
For Elevated Installation >25' To 30', Add	6.48	
For Elevated Installation >30' To 35', Add	7.40	
For Elevated Installation >35' To 40', Add	9.26	
For Elevated Installation >40', Add	10.18	
26 05 33 13-0516 Rigid Galvanized Steel (RGS) Grounding Locknuts (26 05 33 13-0056)		
26 05 33 13-0517 EA 1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	2.74	0.97
For Work In Restricted Working Space, Add	0.59	
For Elevated Installation >10' To 15', Add	0.20	
For Elevated Installation >15' To 20', Add	0.39	
For Elevated Installation >20' To 25', Add	0.49	
For Elevated Installation >25' To 30', Add	0.68	
For Elevated Installation >30' To 35', Add	0.78	
For Elevated Installation >35' To 40', Add	0.98	
For Elevated Installation >40', Add	1.07	
26 05 33 13-0518 EA 3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts	3.86	1.46
For Work In Restricted Working Space, Add	0.88	
For Elevated Installation >10' To 15', Add	0.29	
For Elevated Installation >15' To 20', Add	0.58	
For Elevated Installation >20' To 25', Add	0.73	
For Elevated Installation >25' To 30', Add	1.02	
For Elevated Installation >30' To 35', Add	1.17	
For Elevated Installation >35' To 40', Add	1.46	
For Elevated Installation >40', Add	1.61	
26 05 33 13-0519 EA 1" Rigid Galvanized Steel (RGS) Grounding Locknuts	6.22	2.44
For Work In Restricted Working Space, Add	1.46	
For Elevated Installation >10' To 15', Add	0.49	
For Elevated Installation >15' To 20', Add	0.97	
For Elevated Installation >20' To 25', Add	1.22	
For Elevated Installation >25' To 30', Add	1.70	
For Elevated Installation >30' To 35', Add	1.95	
For Elevated Installation >35' To 40', Add	2.44	
For Elevated Installation >40', Add	2.68	
26 05 33 13-0520 EA 1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts	8.70	3.41
For Work In Restricted Working Space, Add	2.05	
For Elevated Installation >10' To 15', Add	0.68	
For Elevated Installation >15' To 20', Add	1.36	
For Elevated Installation >20' To 25', Add	1.71	
For Elevated Installation >25' To 30', Add	2.39	
For Elevated Installation >30' To 35', Add	2.73	
For Elevated Installation >35' To 40', Add	3.41	
For Elevated Installation >40', Add	3.75	
26 05 33 13-0521 EA 1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	9.85	3.90
For Work In Restricted Working Space, Add	2.34	
For Elevated Installation >10' To 15', Add	0.78	
For Elevated Installation >15' To 20', Add	1.56	
For Elevated Installation >20' To 25', Add	1.95	
For Elevated Installation >25' To 30', Add	2.73	
For Elevated Installation >30' To 35', Add	3.12	
For Elevated Installation >35' To 40', Add	3.90	
For Elevated Installation >40', Add	4.28	
26 05 33 13-0522 EA 2" Rigid Galvanized Steel (RGS) Grounding Locknuts	11.46	4.38
For Work In Restricted Working Space, Add	2.63	
For Elevated Installation >10' To 15', Add	0.88	
For Elevated Installation >15' To 20', Add	1.75	
For Elevated Installation >20' To 25', Add	2.19	
For Elevated Installation >25' To 30', Add	3.07	
For Elevated Installation >30' To 35', Add	3.51	
For Elevated Installation >35' To 40', Add	4.39	
For Elevated Installation >40', Add	4.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0523 EA 2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	16.68 3.51 1.17 2.34 2.92 4.09 4.68 5.85 6.43	5.85
26 05 33 13-0524 EA 3" Rigid Galvanized Steel (RGS) Grounding Locknuts For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	20.95 4.38 1.46 2.92 3.65 5.11 5.84 7.31 8.04	7.31
26 05 33 13-0525 EA 3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	26.86 4.97 1.66 3.31 4.14 5.80 6.63 8.29 9.11	8.28
26 05 33 13-0526 EA 4" Rigid Galvanized Steel (RGS) Grounding Locknuts For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	31.78 5.55 1.85 3.70 4.63 6.48 7.40 9.26 10.18	9.26
26 05 33 13-0527 Rigid Galvanized Steel (RGS) Insulated Ground Bushing (26 05 33 13-0059)		
26 05 33 13-0528 EA 1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	7.82 1.76 0.59 1.17 1.46 2.05 2.34 2.93 3.22	2.92
26 05 33 13-0529 EA 3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	9.93 2.34 0.78 1.56 1.95 2.73 3.12 3.90 4.28	3.90
26 05 33 13-0530 EA 1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	12.63 2.93 0.98 1.95 2.44 3.41 3.90 4.88 5.36	4.87
26 05 33 13-0531 EA 1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	18.80 4.68 1.56 3.12 3.90 5.46 6.24 7.80 8.57	7.79
26 05 33 13-0532 EA 1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	21.18 5.26 1.75 3.51 4.39 6.14 7.02 8.77 9.65	8.77

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0533	EA		2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	23.95	9.75
			For Work In Restricted Working Space, Add	5.85	
			For Elevated Installation >10' To 15', Add	1.95	
			For Elevated Installation >15' To 20', Add	3.90	
			For Elevated Installation >20' To 25', Add	4.87	
			For Elevated Installation >25' To 30', Add	6.82	
			For Elevated Installation >30' To 35', Add	7.80	
			For Elevated Installation >35' To 40', Add	9.75	
			For Elevated Installation >40', Add	10.72	
26 05 33 13-0534	EA		2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	32.00	11.69
			For Work In Restricted Working Space, Add	7.02	
			For Elevated Installation >10' To 15', Add	2.34	
			For Elevated Installation >15' To 20', Add	4.68	
			For Elevated Installation >20' To 25', Add	5.85	
			For Elevated Installation >25' To 30', Add	8.19	
			For Elevated Installation >30' To 35', Add	9.36	
			For Elevated Installation >35' To 40', Add	11.70	
			For Elevated Installation >40', Add	12.86	
26 05 33 13-0535	EA		3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	39.10	14.61
			For Work In Restricted Working Space, Add	8.77	
			For Elevated Installation >10' To 15', Add	2.92	
			For Elevated Installation >15' To 20', Add	5.85	
			For Elevated Installation >20' To 25', Add	7.31	
			For Elevated Installation >25' To 30', Add	10.23	
			For Elevated Installation >30' To 35', Add	11.69	
			For Elevated Installation >35' To 40', Add	14.62	
			For Elevated Installation >40', Add	16.08	
26 05 33 13-0536	EA		3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	49.16	19.49
			For Work In Restricted Working Space, Add	11.69	
			For Elevated Installation >10' To 15', Add	3.90	
			For Elevated Installation >15' To 20', Add	7.79	
			For Elevated Installation >20' To 25', Add	9.74	
			For Elevated Installation >25' To 30', Add	13.64	
			For Elevated Installation >30' To 35', Add	15.59	
			For Elevated Installation >35' To 40', Add	19.49	
			For Elevated Installation >40', Add	21.43	
26 05 33 13-0537	EA		4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	60.24	24.36
			For Work In Restricted Working Space, Add	14.62	
			For Elevated Installation >10' To 15', Add	4.87	
			For Elevated Installation >15' To 20', Add	9.74	
			For Elevated Installation >20' To 25', Add	12.18	
			For Elevated Installation >25' To 30', Add	17.05	
			For Elevated Installation >30' To 35', Add	19.49	
			For Elevated Installation >35' To 40', Add	24.36	
			For Elevated Installation >40', Add	26.80	
26 05 33 13-0538			Rigid Galvanized Steel (RGS) Threadless Compression Connectors (26 05 33 13-0059)		
26 05 33 13-0539	EA		1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	20.77	8.77
			For Work In Restricted Working Space, Add	5.26	
			For Elevated Installation >10' To 15', Add	1.75	
			For Elevated Installation >15' To 20', Add	3.51	
			For Elevated Installation >20' To 25', Add	4.39	
			For Elevated Installation >25' To 30', Add	6.14	
			For Elevated Installation >30' To 35', Add	7.02	
			For Elevated Installation >35' To 40', Add	8.77	
			For Elevated Installation >40', Add	9.65	
26 05 33 13-0540	EA		3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	24.70	9.75
			For Work In Restricted Working Space, Add	5.85	
			For Elevated Installation >10' To 15', Add	1.95	
			For Elevated Installation >15' To 20', Add	3.90	
			For Elevated Installation >20' To 25', Add	4.87	
			For Elevated Installation >25' To 30', Add	6.82	
			For Elevated Installation >30' To 35', Add	7.80	
			For Elevated Installation >35' To 40', Add	9.75	
			For Elevated Installation >40', Add	10.72	
26 05 33 13-0541	EA		1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	32.49	12.18
			For Work In Restricted Working Space, Add	7.31	
			For Elevated Installation >10' To 15', Add	2.44	
			For Elevated Installation >15' To 20', Add	4.87	
			For Elevated Installation >20' To 25', Add	6.09	
			For Elevated Installation >25' To 30', Add	8.53	
			For Elevated Installation >30' To 35', Add	9.74	
			For Elevated Installation >35' To 40', Add	12.18	
			For Elevated Installation >40', Add	13.40	
26 05 33 13-0542	EA		1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	44.54	14.61
			For Work In Restricted Working Space, Add	8.77	
			For Elevated Installation >10' To 15', Add	2.92	
			For Elevated Installation >15' To 20', Add	5.85	
			For Elevated Installation >20' To 25', Add	7.31	
			For Elevated Installation >25' To 30', Add	10.23	
			For Elevated Installation >30' To 35', Add	11.69	
			For Elevated Installation >35' To 40', Add	14.62	
			For Elevated Installation >40', Add	16.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0543 EA 1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	60.17	19.49
For Work In Restricted Working Space, Add	11.69	
For Elevated Installation >10' To 15', Add	3.90	
For Elevated Installation >15' To 20', Add	7.79	
For Elevated Installation >20' To 25', Add	9.74	
For Elevated Installation >25' To 30', Add	13.64	
For Elevated Installation >30' To 35', Add	15.59	
For Elevated Installation >35' To 40', Add	19.49	
For Elevated Installation >40', Add	21.43	
26 05 33 13-0544 EA 2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	89.40	24.36
For Work In Restricted Working Space, Add	14.62	
For Elevated Installation >10' To 15', Add	4.87	
For Elevated Installation >15' To 20', Add	9.74	
For Elevated Installation >20' To 25', Add	12.18	
For Elevated Installation >25' To 30', Add	17.05	
For Elevated Installation >30' To 35', Add	19.49	
For Elevated Installation >35' To 40', Add	24.36	
For Elevated Installation >40', Add	26.80	
26 05 33 13-0545 EA 2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	152.30	29.23
For Work In Restricted Working Space, Add	17.54	
For Elevated Installation >10' To 15', Add	5.85	
For Elevated Installation >15' To 20', Add	11.69	
For Elevated Installation >20' To 25', Add	14.62	
For Elevated Installation >25' To 30', Add	20.46	
For Elevated Installation >30' To 35', Add	23.38	
For Elevated Installation >35' To 40', Add	29.23	
For Elevated Installation >40', Add	32.15	
26 05 33 13-0546 EA 3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	192.62	34.11
For Work In Restricted Working Space, Add	20.46	
For Elevated Installation >10' To 15', Add	6.82	
For Elevated Installation >15' To 20', Add	13.64	
For Elevated Installation >20' To 25', Add	17.05	
For Elevated Installation >25' To 30', Add	23.87	
For Elevated Installation >30' To 35', Add	27.28	
For Elevated Installation >35' To 40', Add	34.11	
For Elevated Installation >40', Add	37.52	
26 05 33 13-0547 EA 3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	245.39	41.41
For Work In Restricted Working Space, Add	24.85	
For Elevated Installation >10' To 15', Add	8.28	
For Elevated Installation >15' To 20', Add	16.56	
For Elevated Installation >20' To 25', Add	20.71	
For Elevated Installation >25' To 30', Add	28.99	
For Elevated Installation >30' To 35', Add	33.13	
For Elevated Installation >35' To 40', Add	41.41	
For Elevated Installation >40', Add	45.55	
26 05 33 13-0548 EA 4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	296.47	48.72
For Work In Restricted Working Space, Add	29.23	
For Elevated Installation >10' To 15', Add	9.74	
For Elevated Installation >15' To 20', Add	19.49	
For Elevated Installation >20' To 25', Add	24.36	
For Elevated Installation >25' To 30', Add	34.10	
For Elevated Installation >30' To 35', Add	38.98	
For Elevated Installation >35' To 40', Add	48.72	
For Elevated Installation >40', Add	53.59	
26 05 33 13-0549 Rigid Galvanized Steel (RGS) Compression Coupling (26 05 33 13-0059)		
26 05 33 13-0550 EA 1/2" Rigid Galvanized Steel (RGS) Compression Coupling	29.58	12.18
For Work In Restricted Working Space, Add	7.31	
For Elevated Installation >10' To 15', Add	2.44	
For Elevated Installation >15' To 20', Add	4.87	
For Elevated Installation >20' To 25', Add	6.09	
For Elevated Installation >25' To 30', Add	8.53	
For Elevated Installation >30' To 35', Add	9.74	
For Elevated Installation >35' To 40', Add	12.18	
For Elevated Installation >40', Add	13.40	
26 05 33 13-0551 EA 3/4" Rigid Galvanized Steel (RGS) Compression Coupling	37.60	14.61
For Work In Restricted Working Space, Add	8.77	
For Elevated Installation >10' To 15', Add	2.92	
For Elevated Installation >15' To 20', Add	5.85	
For Elevated Installation >20' To 25', Add	7.31	
For Elevated Installation >25' To 30', Add	10.23	
For Elevated Installation >30' To 35', Add	11.69	
For Elevated Installation >35' To 40', Add	14.62	
For Elevated Installation >40', Add	16.08	
26 05 33 13-0552 EA 1" Rigid Galvanized Steel (RGS) Compression Coupling	53.57	19.49
For Work In Restricted Working Space, Add	11.69	
For Elevated Installation >10' To 15', Add	3.90	
For Elevated Installation >15' To 20', Add	7.79	
For Elevated Installation >20' To 25', Add	9.74	
For Elevated Installation >25' To 30', Add	13.64	
For Elevated Installation >30' To 35', Add	15.59	
For Elevated Installation >35' To 40', Add	19.49	
For Elevated Installation >40', Add	21.43	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0553	EA		1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling	70.33	24.36
			For Work In Restricted Working Space, Add	14.62	
			For Elevated Installation >10' To 15', Add	4.87	
			For Elevated Installation >15' To 20', Add	9.74	
			For Elevated Installation >20' To 25', Add	12.18	
			For Elevated Installation >25' To 30', Add	17.05	
			For Elevated Installation >30' To 35', Add	19.49	
			For Elevated Installation >35' To 40', Add	24.36	
			For Elevated Installation >40', Add	26.80	
26 05 33 13-0554	EA		1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	86.59	29.23
			For Work In Restricted Working Space, Add	17.54	
			For Elevated Installation >10' To 15', Add	5.85	
			For Elevated Installation >15' To 20', Add	11.69	
			For Elevated Installation >20' To 25', Add	14.62	
			For Elevated Installation >25' To 30', Add	20.46	
			For Elevated Installation >30' To 35', Add	23.38	
			For Elevated Installation >35' To 40', Add	29.23	
			For Elevated Installation >40', Add	32.15	
26 05 33 13-0555	EA		2" Rigid Galvanized Steel (RGS) Compression Coupling	129.73	34.11
			For Work In Restricted Working Space, Add	20.46	
			For Elevated Installation >10' To 15', Add	6.82	
			For Elevated Installation >15' To 20', Add	13.64	
			For Elevated Installation >20' To 25', Add	17.05	
			For Elevated Installation >25' To 30', Add	23.87	
			For Elevated Installation >30' To 35', Add	27.28	
			For Elevated Installation >35' To 40', Add	34.11	
			For Elevated Installation >40', Add	37.52	
26 05 33 13-0556	EA		2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	207.53	38.97
			For Work In Restricted Working Space, Add	23.39	
			For Elevated Installation >10' To 15', Add	7.80	
			For Elevated Installation >15' To 20', Add	15.59	
			For Elevated Installation >20' To 25', Add	19.49	
			For Elevated Installation >25' To 30', Add	27.28	
			For Elevated Installation >30' To 35', Add	31.18	
			For Elevated Installation >35' To 40', Add	38.98	
			For Elevated Installation >40', Add	42.87	
26 05 33 13-0557	EA		3" Rigid Galvanized Steel (RGS) Compression Coupling	238.91	33.62
			For Work In Restricted Working Space, Add	20.17	
			For Elevated Installation >10' To 15', Add	6.72	
			For Elevated Installation >15' To 20', Add	13.45	
			For Elevated Installation >20' To 25', Add	16.81	
			For Elevated Installation >25' To 30', Add	23.53	
			For Elevated Installation >30' To 35', Add	26.89	
			For Elevated Installation >35' To 40', Add	33.62	
			For Elevated Installation >40', Add	36.98	
26 05 33 13-0558	EA		3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	328.32	51.16
			For Work In Restricted Working Space, Add	30.70	
			For Elevated Installation >10' To 15', Add	10.23	
			For Elevated Installation >15' To 20', Add	20.46	
			For Elevated Installation >20' To 25', Add	25.58	
			For Elevated Installation >25' To 30', Add	35.81	
			For Elevated Installation >30' To 35', Add	40.93	
			For Elevated Installation >35' To 40', Add	51.16	
			For Elevated Installation >40', Add	56.28	
26 05 33 13-0559	EA		4" Rigid Galvanized Steel (RGS) Compression Coupling	406.12	58.46
			For Work In Restricted Working Space, Add	35.08	
			For Elevated Installation >10' To 15', Add	11.69	
			For Elevated Installation >15' To 20', Add	23.39	
			For Elevated Installation >20' To 25', Add	29.23	
			For Elevated Installation >25' To 30', Add	40.93	
			For Elevated Installation >30' To 35', Add	46.77	
			For Elevated Installation >35' To 40', Add	58.47	
			For Elevated Installation >40', Add	64.31	
26 05 33 13-0560			Zinc Plated Steel Snap-in Knock Out Seal (26 05 33 13-0059)		
26 05 33 13-0561	EA		1/2" Zinc Plated Steel Snap-in Knock Out Seal	5.04	2.44
			For Work In Restricted Working Space, Add	1.46	
			For Elevated Installation >10' To 15', Add	0.49	
			For Elevated Installation >15' To 20', Add	0.97	
			For Elevated Installation >20' To 25', Add	1.22	
			For Elevated Installation >25' To 30', Add	1.70	
			For Elevated Installation >30' To 35', Add	1.95	
			For Elevated Installation >35' To 40', Add	2.44	
			For Elevated Installation >40', Add	2.68	
26 05 33 13-0562	EA		3/4" Zinc Plated Steel Snap-in Knock Out Seal	6.07	2.92
			For Work In Restricted Working Space, Add	1.76	
			For Elevated Installation >10' To 15', Add	0.59	
			For Elevated Installation >15' To 20', Add	1.17	
			For Elevated Installation >20' To 25', Add	1.46	
			For Elevated Installation >25' To 30', Add	2.05	
			For Elevated Installation >30' To 35', Add	2.34	
			For Elevated Installation >35' To 40', Add	2.93	
			For Elevated Installation >40', Add	3.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0563 EA 1" Zinc Plated Steel Snap-in Knock Out Seal .....7.17 3.41 For Work In Restricted Working Space, Add 2.05 For Elevated Installation >10' To 15', Add 0.68 For Elevated Installation >15' To 20', Add 1.36 For Elevated Installation >20' To 25', Add 1.71 For Elevated Installation >25' To 30', Add 2.39 For Elevated Installation >30' To 35', Add 2.73 For Elevated Installation >35' To 40', Add 3.41 For Elevated Installation >40', Add 3.75		
26 05 33 13-0564 EA 1-1/4" Zinc Plated Steel Snap-in Knock Out Seal .....9.23 4.38 For Work In Restricted Working Space, Add 2.63 For Elevated Installation >10' To 15', Add 0.88 For Elevated Installation >15' To 20', Add 1.75 For Elevated Installation >20' To 25', Add 2.19 For Elevated Installation >25' To 30', Add 3.07 For Elevated Installation >30' To 35', Add 3.51 For Elevated Installation >35' To 40', Add 4.39 For Elevated Installation >40', Add 4.82		
26 05 33 13-0565 EA 1-1/2" Zinc Plated Steel Snap-in Knock Out Seal .....10.38 4.87 For Work In Restricted Working Space, Add 2.93 For Elevated Installation >10' To 15', Add 0.98 For Elevated Installation >15' To 20', Add 1.95 For Elevated Installation >20' To 25', Add 2.44 For Elevated Installation >25' To 30', Add 3.41 For Elevated Installation >30' To 35', Add 3.90 For Elevated Installation >35' To 40', Add 4.88 For Elevated Installation >40', Add 5.36		
26 05 33 13-0566 EA 2" Zinc Plated Steel Snap-in Knock Out Seal .....12.58 5.85 For Work In Restricted Working Space, Add 3.51 For Elevated Installation >10' To 15', Add 1.17 For Elevated Installation >15' To 20', Add 2.34 For Elevated Installation >20' To 25', Add 2.92 For Elevated Installation >25' To 30', Add 4.09 For Elevated Installation >30' To 35', Add 4.68 For Elevated Installation >35' To 40', Add 5.85 For Elevated Installation >40', Add 6.43		
26 05 33 13-0567 Zinc Plated Steel 3-Piece Knock Out Seal (26 05 33 13-0059)		
26 05 33 13-0568 EA 1/2" Zinc Plated Steel 3-Piece Knock Out Seal .....5.87 2.44 For Work In Restricted Working Space, Add 1.46 For Elevated Installation >10' To 15', Add 0.49 For Elevated Installation >15' To 20', Add 0.97 For Elevated Installation >20' To 25', Add 1.22 For Elevated Installation >25' To 30', Add 1.70 For Elevated Installation >30' To 35', Add 1.95 For Elevated Installation >35' To 40', Add 2.44 For Elevated Installation >40', Add 2.68		
26 05 33 13-0569 EA 3/4" Zinc Plated Steel 3-Piece Knock Out Seal .....7.01 2.92 For Work In Restricted Working Space, Add 1.76 For Elevated Installation >10' To 15', Add 0.59 For Elevated Installation >15' To 20', Add 1.17 For Elevated Installation >20' To 25', Add 1.46 For Elevated Installation >25' To 30', Add 2.05 For Elevated Installation >30' To 35', Add 2.34 For Elevated Installation >35' To 40', Add 2.93 For Elevated Installation >40', Add 3.22		
26 05 33 13-0570 EA 1" Zinc Plated Steel 3-Piece Knock Out Seal .....8.42 3.41 For Work In Restricted Working Space, Add 2.05 For Elevated Installation >10' To 15', Add 0.68 For Elevated Installation >15' To 20', Add 1.36 For Elevated Installation >20' To 25', Add 1.71 For Elevated Installation >25' To 30', Add 2.39 For Elevated Installation >30' To 35', Add 2.73 For Elevated Installation >35' To 40', Add 3.41 For Elevated Installation >40', Add 3.75		
26 05 33 13-0571 EA 1-1/4" Zinc Plated Steel 3-Piece Knock Out Seal .....10.83 4.38 For Work In Restricted Working Space, Add 2.63 For Elevated Installation >10' To 15', Add 0.88 For Elevated Installation >15' To 20', Add 1.75 For Elevated Installation >20' To 25', Add 2.19 For Elevated Installation >25' To 30', Add 3.07 For Elevated Installation >30' To 35', Add 3.51 For Elevated Installation >35' To 40', Add 4.39 For Elevated Installation >40', Add 4.82		
26 05 33 13-0572 EA 1-1/2" Zinc Plated Steel 3-Piece Knock Out Seal .....13.05 4.87 For Work In Restricted Working Space, Add 2.93 For Elevated Installation >10' To 15', Add 0.98 For Elevated Installation >15' To 20', Add 1.95 For Elevated Installation >20' To 25', Add 2.44 For Elevated Installation >25' To 30', Add 3.41 For Elevated Installation >30' To 35', Add 3.90 For Elevated Installation >35' To 40', Add 4.88 For Elevated Installation >40', Add 5.36		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0573 EA 2" Zinc Plated Steel 3-Piece Knock Out Seal.....	15.75	5.85
For Work In Restricted Working Space, Add	3.51	
For Elevated Installation >10' To 15', Add	1.17	
For Elevated Installation >15' To 20', Add	2.34	
For Elevated Installation >20' To 25', Add	2.92	
For Elevated Installation >25' To 30', Add	4.09	
For Elevated Installation >30' To 35', Add	4.68	
For Elevated Installation >35' To 40', Add	5.85	
For Elevated Installation >40', Add	6.43	
26 05 33 13-0574 EA 2-1/2" Zinc Plated Steel 3-Piece Knock Out Seal.....	19.38	7.31
For Work In Restricted Working Space, Add	4.38	
For Elevated Installation >10' To 15', Add	1.46	
For Elevated Installation >15' To 20', Add	2.92	
For Elevated Installation >20' To 25', Add	3.65	
For Elevated Installation >25' To 30', Add	5.11	
For Elevated Installation >30' To 35', Add	5.84	
For Elevated Installation >35' To 40', Add	7.31	
For Elevated Installation >40', Add	8.04	
26 05 33 13-0575 EA 3" Zinc Plated Steel 3-Piece Knock Out Seal.....	22.53	8.28
For Work In Restricted Working Space, Add	4.97	
For Elevated Installation >10' To 15', Add	1.66	
For Elevated Installation >15' To 20', Add	3.31	
For Elevated Installation >20' To 25', Add	4.14	
For Elevated Installation >25' To 30', Add	5.80	
For Elevated Installation >30' To 35', Add	6.63	
For Elevated Installation >35' To 40', Add	8.29	
For Elevated Installation >40', Add	9.11	
26 05 33 13-0576 EA 3-1/2" Zinc Plated Steel 3-Piece Knock Out Seal.....	26.90	9.26
For Work In Restricted Working Space, Add	5.55	
For Elevated Installation >10' To 15', Add	1.85	
For Elevated Installation >15' To 20', Add	3.70	
For Elevated Installation >20' To 25', Add	4.63	
For Elevated Installation >25' To 30', Add	6.48	
For Elevated Installation >30' To 35', Add	7.40	
For Elevated Installation >35' To 40', Add	9.26	
For Elevated Installation >40', Add	10.18	
26 05 33 13-0577 EA 4" Zinc Plated Steel 3-Piece Knock Out Seal.....	31.23	10.23
For Work In Restricted Working Space, Add	6.14	
For Elevated Installation >10' To 15', Add	2.05	
For Elevated Installation >15' To 20', Add	4.09	
For Elevated Installation >20' To 25', Add	5.12	
For Elevated Installation >25' To 30', Add	7.16	
For Elevated Installation >30' To 35', Add	8.18	
For Elevated Installation >35' To 40', Add	10.23	
For Elevated Installation >40', Add	11.25	
26 05 33 13-0578 Rigid Galvanized Steel (RGS) Chase Nipples (26 05 33 13-0059)		
26 05 33 13-0579 EA 1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	11.95	5.85
For Work In Restricted Working Space, Add	3.51	
For Elevated Installation >10' To 15', Add	1.17	
For Elevated Installation >15' To 20', Add	2.34	
For Elevated Installation >20' To 25', Add	2.92	
For Elevated Installation >25' To 30', Add	4.09	
For Elevated Installation >30' To 35', Add	4.68	
For Elevated Installation >35' To 40', Add	5.85	
For Elevated Installation >40', Add	6.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.51	
26 05 33 13-0580 EA 3/4" Rigid Galvanized Steel (RGS) Chase Nipple.....	14.07	6.82
For Work In Restricted Working Space, Add	4.09	
For Elevated Installation >10' To 15', Add	1.36	
For Elevated Installation >15' To 20', Add	2.73	
For Elevated Installation >20' To 25', Add	3.41	
For Elevated Installation >25' To 30', Add	4.77	
For Elevated Installation >30' To 35', Add	5.46	
For Elevated Installation >35' To 40', Add	6.82	
For Elevated Installation >40', Add	7.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.09	
26 05 33 13-0581 EA 1" Rigid Galvanized Steel (RGS) Chase Nipple.....	17.50	8.28
For Work In Restricted Working Space, Add	4.97	
For Elevated Installation >10' To 15', Add	1.66	
For Elevated Installation >15' To 20', Add	3.31	
For Elevated Installation >20' To 25', Add	4.14	
For Elevated Installation >25' To 30', Add	5.80	
For Elevated Installation >30' To 35', Add	6.63	
For Elevated Installation >35' To 40', Add	8.29	
For Elevated Installation >40', Add	9.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.97	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0582	EA	1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple.....	21.11	9.75
		For Work In Restricted Working Space, Add	5.85	
		For Elevated Installation >10' To 15', Add	1.95	
		For Elevated Installation >15' To 20', Add	3.90	
		For Elevated Installation >20' To 25', Add	4.87	
		For Elevated Installation >25' To 30', Add	6.82	
		For Elevated Installation >30' To 35', Add	7.80	
		For Elevated Installation >35' To 40', Add	9.75	
		For Elevated Installation >40', Add	10.72	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.85	
26 05 33 13-0583	EA	1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	26.44	12.18
		For Work In Restricted Working Space, Add	7.31	
		For Elevated Installation >10' To 15', Add	2.44	
		For Elevated Installation >15' To 20', Add	4.87	
		For Elevated Installation >20' To 25', Add	6.09	
		For Elevated Installation >25' To 30', Add	8.53	
		For Elevated Installation >30' To 35', Add	9.74	
		For Elevated Installation >35' To 40', Add	12.18	
		For Elevated Installation >40', Add	13.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.31	
26 05 33 13-0584	EA	2" Rigid Galvanized Steel (RGS) Chase Nipple.....	32.61	14.61
		For Work In Restricted Working Space, Add	8.77	
		For Elevated Installation >10' To 15', Add	2.92	
		For Elevated Installation >15' To 20', Add	5.85	
		For Elevated Installation >20' To 25', Add	7.31	
		For Elevated Installation >25' To 30', Add	10.23	
		For Elevated Installation >30' To 35', Add	11.69	
		For Elevated Installation >35' To 40', Add	14.62	
		For Elevated Installation >40', Add	16.08	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.77	
26 05 33 13-0585	EA	2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	40.54	17.05
		For Work In Restricted Working Space, Add	10.23	
		For Elevated Installation >10' To 15', Add	3.41	
		For Elevated Installation >15' To 20', Add	6.82	
		For Elevated Installation >20' To 25', Add	8.53	
		For Elevated Installation >25' To 30', Add	11.94	
		For Elevated Installation >30' To 35', Add	13.64	
		For Elevated Installation >35' To 40', Add	17.06	
		For Elevated Installation >40', Add	18.76	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.23	
26 05 33 13-0586	EA	3" Rigid Galvanized Steel (RGS) Chase Nipple.....	45.57	19.49
		For Work In Restricted Working Space, Add	11.69	
		For Elevated Installation >10' To 15', Add	3.90	
		For Elevated Installation >15' To 20', Add	7.79	
		For Elevated Installation >20' To 25', Add	9.74	
		For Elevated Installation >25' To 30', Add	13.64	
		For Elevated Installation >30' To 35', Add	15.59	
		For Elevated Installation >35' To 40', Add	19.49	
		For Elevated Installation >40', Add	21.43	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.69	
26 05 33 13-0587	EA	3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	55.51	21.92
		For Work In Restricted Working Space, Add	13.16	
		For Elevated Installation >10' To 15', Add	4.39	
		For Elevated Installation >15' To 20', Add	8.77	
		For Elevated Installation >20' To 25', Add	10.96	
		For Elevated Installation >25' To 30', Add	15.35	
		For Elevated Installation >30' To 35', Add	17.54	
		For Elevated Installation >35' To 40', Add	21.93	
		For Elevated Installation >40', Add	24.12	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.16	
26 05 33 13-0588	EA	4" Rigid Galvanized Steel (RGS) Chase Nipple.....	73.15	24.36
		For Work In Restricted Working Space, Add	14.62	
		For Elevated Installation >10' To 15', Add	4.87	
		For Elevated Installation >15' To 20', Add	9.74	
		For Elevated Installation >20' To 25', Add	12.18	
		For Elevated Installation >25' To 30', Add	17.05	
		For Elevated Installation >30' To 35', Add	19.49	
		For Elevated Installation >35' To 40', Add	24.36	
		For Elevated Installation >40', Add	26.80	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.62	
26 05 33 13-0589		Rigid Galvanized Steel (RGS) Pulling Elbow (26 05 33 13-0059)		
26 05 33 13-0590	EA	1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	21.97	8.77
		For Work In Restricted Working Space, Add	5.26	
		For Elevated Installation >10' To 15', Add	1.75	
		For Elevated Installation >15' To 20', Add	3.51	
		For Elevated Installation >20' To 25', Add	4.39	
		For Elevated Installation >25' To 30', Add	6.14	
		For Elevated Installation >30' To 35', Add	7.02	
		For Elevated Installation >35' To 40', Add	8.77	
		For Elevated Installation >40', Add	9.65	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0591	EA		3/4" Rigid Galvanized Steel (RGS) Pulling Elbow	25.55	10.23
			For Work In Restricted Working Space, Add	6.14	
			For Elevated Installation >10' To 15', Add	2.05	
			For Elevated Installation >15' To 20', Add	4.09	
			For Elevated Installation >20' To 25', Add	5.12	
			For Elevated Installation >25' To 30', Add	7.16	
			For Elevated Installation >30' To 35', Add	8.18	
			For Elevated Installation >35' To 40', Add	10.23	
			For Elevated Installation >40', Add	11.25	
26 05 33 13-0592	EA		1" Rigid Galvanized Steel (RGS) Pulling Elbow	31.84	11.69
			For Work In Restricted Working Space, Add	7.02	
			For Elevated Installation >10' To 15', Add	2.34	
			For Elevated Installation >15' To 20', Add	4.68	
			For Elevated Installation >20' To 25', Add	5.85	
			For Elevated Installation >25' To 30', Add	8.19	
			For Elevated Installation >30' To 35', Add	9.36	
			For Elevated Installation >35' To 40', Add	11.70	
			For Elevated Installation >40', Add	12.86	
26 05 33 13-0593	EA		1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow	40.60	14.61
			For Work In Restricted Working Space, Add	8.77	
			For Elevated Installation >10' To 15', Add	2.92	
			For Elevated Installation >15' To 20', Add	5.85	
			For Elevated Installation >20' To 25', Add	7.31	
			For Elevated Installation >25' To 30', Add	10.23	
			For Elevated Installation >30' To 35', Add	11.69	
			For Elevated Installation >35' To 40', Add	14.62	
			For Elevated Installation >40', Add	16.08	
26 05 33 13-0594	EA		1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	53.13	17.54
			For Work In Restricted Working Space, Add	10.52	
			For Elevated Installation >10' To 15', Add	3.51	
			For Elevated Installation >15' To 20', Add	7.02	
			For Elevated Installation >20' To 25', Add	8.77	
			For Elevated Installation >25' To 30', Add	12.28	
			For Elevated Installation >30' To 35', Add	14.03	
			For Elevated Installation >35' To 40', Add	17.54	
			For Elevated Installation >40', Add	19.29	
26 05 33 13-0595	EA		2" Rigid Galvanized Steel (RGS) Pulling Elbow	69.50	20.46
			For Work In Restricted Working Space, Add	12.28	
			For Elevated Installation >10' To 15', Add	4.09	
			For Elevated Installation >15' To 20', Add	8.19	
			For Elevated Installation >20' To 25', Add	10.23	
			For Elevated Installation >25' To 30', Add	14.33	
			For Elevated Installation >30' To 35', Add	16.37	
			For Elevated Installation >35' To 40', Add	20.47	
			For Elevated Installation >40', Add	22.51	
26 05 33 13-0596	EA		2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	93.95	23.39
			For Work In Restricted Working Space, Add	14.03	
			For Elevated Installation >10' To 15', Add	4.68	
			For Elevated Installation >15' To 20', Add	9.36	
			For Elevated Installation >20' To 25', Add	11.70	
			For Elevated Installation >25' To 30', Add	16.37	
			For Elevated Installation >30' To 35', Add	18.71	
			For Elevated Installation >35' To 40', Add	23.39	
			For Elevated Installation >40', Add	25.73	
26 05 33 13-0597	EA		3" Rigid Galvanized Steel (RGS) Pulling Elbow	158.40	29.23
			For Work In Restricted Working Space, Add	17.54	
			For Elevated Installation >10' To 15', Add	5.85	
			For Elevated Installation >15' To 20', Add	11.69	
			For Elevated Installation >20' To 25', Add	14.62	
			For Elevated Installation >25' To 30', Add	20.46	
			For Elevated Installation >30' To 35', Add	23.38	
			For Elevated Installation >35' To 40', Add	29.23	
			For Elevated Installation >40', Add	32.15	
26 05 33 13-0598			Electrical Metallic Tubing (EMT) Thinwall Conduit (26 05 33 13-0058)		
			Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0599			Electrical Metallic Tubing (EMT) Thinwall Conduit (26 05 33 13-0598)		
			Note: Includes field bending conduit up to and including 1".		
26 05 33 13-0600	LF		1/2" Electrical Metallic Tubing (EMT) Conduit	5.06	1.76
			For >250 To 500, Deduct	-0.03	
			For >500 To 1,000, Deduct	-0.27	
			For >1,000, Deduct	-0.40	
			For Installation In Metal Stud Wall, Add	0.44	
			For Installation In Wood Stud Wall (Includes Drilling), Add	1.10	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.66	
			For Work In Restricted Working Space, Add	1.31	
			For Elevated Installation >10' To 15', Add	0.44	
			For Elevated Installation >15' To 20', Add	0.88	
			For Elevated Installation >20' To 25', Add	1.10	
			For Elevated Installation >25' To 30', Add	1.53	
			For Elevated Installation >30' To 35', Add	1.75	
			For Elevated Installation >35' To 40', Add	2.19	
			For Elevated Installation >40', Add	2.41	
			For Factory Applied Color Coating, Add	0.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0601 LF 3/4" Electrical Metallic Tubing (EMT) Conduit.....	5.94	1.95
For >250 To 500, Deduct	-0.05	
For >500 To 1,000, Deduct	-0.32	
For >1,000, Deduct	-0.47	
For Installation In Metal Stud Wall, Add	0.49	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.22	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.73	
For Work In Restricted Working Space, Add	1.46	
For Elevated Installation >10' To 15', Add	0.49	
For Elevated Installation >15' To 20', Add	0.97	
For Elevated Installation >20' To 25', Add	1.22	
For Elevated Installation >25' To 30', Add	1.70	
For Elevated Installation >30' To 35', Add	1.95	
For Elevated Installation >35' To 40', Add	2.44	
For Elevated Installation >40', Add	2.68	
For Factory Applied Color Coating, Add	0.32	
26 05 33 13-0602 LF 1" Electrical Metallic Tubing (EMT) Conduit.....	7.14	2.15
For >250 To 500, Deduct	-0.09	
For >500 To 1,000, Deduct	-0.40	
For >1,000, Deduct	-0.58	
For Installation In Metal Stud Wall, Add	0.54	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.34	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.80	
For Work In Restricted Working Space, Add	1.61	
For Elevated Installation >10' To 15', Add	0.54	
For Elevated Installation >15' To 20', Add	1.07	
For Elevated Installation >20' To 25', Add	1.34	
For Elevated Installation >25' To 30', Add	1.88	
For Elevated Installation >30' To 35', Add	2.14	
For Elevated Installation >35' To 40', Add	2.68	
For Elevated Installation >40', Add	2.95	
For Factory Applied Color Coating, Add	0.53	
26 05 33 13-0603 LF 1-1/4" Electrical Metallic Tubing (EMT) Conduit.....	8.85	2.42
For >250 To 500, Deduct	-0.14	
For >500 To 1,000, Deduct	-0.51	
For >1,000, Deduct	-0.73	
For Installation In Metal Stud Wall, Add	0.60	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.51	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.91	
For Work In Restricted Working Space, Add	1.81	
For Elevated Installation >10' To 15', Add	0.60	
For Elevated Installation >15' To 20', Add	1.21	
For Elevated Installation >20' To 25', Add	1.51	
For Elevated Installation >25' To 30', Add	2.11	
For Elevated Installation >30' To 35', Add	2.42	
For Elevated Installation >35' To 40', Add	3.02	
For Elevated Installation >40', Add	3.32	
For Factory Applied Color Coating, Add	0.64	
26 05 33 13-0604 LF 1-1/2" Electrical Metallic Tubing (EMT) Conduit.....	10.32	2.73
For >250 To 500, Deduct	-0.18	
For >500 To 1,000, Deduct	-0.60	
For >1,000, Deduct	-0.86	
For Installation In Metal Stud Wall, Add	0.68	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.71	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.02	
For Work In Restricted Working Space, Add	2.05	
For Elevated Installation >10' To 15', Add	0.68	
For Elevated Installation >15' To 20', Add	1.36	
For Elevated Installation >20' To 25', Add	1.71	
For Elevated Installation >25' To 30', Add	2.39	
For Elevated Installation >30' To 35', Add	2.73	
For Elevated Installation >35' To 40', Add	3.41	
For Elevated Installation >40', Add	3.75	
For Factory Applied Color Coating, Add	1.05	
26 05 33 13-0605 LF 2" Electrical Metallic Tubing (EMT) Conduit.....	11.94	3.12
For >250 To 500, Deduct	-0.21	
For >500 To 1,000, Deduct	-0.70	
For >1,000, Deduct	-1.00	
For Installation In Metal Stud Wall, Add	0.78	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.95	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.17	
For Work In Restricted Working Space, Add	2.34	
For Elevated Installation >10' To 15', Add	0.78	
For Elevated Installation >15' To 20', Add	1.56	
For Elevated Installation >20' To 25', Add	1.95	
For Elevated Installation >25' To 30', Add	2.73	
For Elevated Installation >30' To 35', Add	3.12	
For Elevated Installation >35' To 40', Add	3.90	
For Elevated Installation >40', Add	4.28	
For Factory Applied Color Coating, Add	1.25	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0606 LF 2-1/2" Electrical Metallic Tubing (EMT) Conduit.....	15.40	3.70
For >250 To 500, Deduct	-0.31	
For >500 To 1,000, Deduct	-0.92	
For >1,000, Deduct	-1.31	
For Installation In Metal Stud Wall, Add	0.93	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.32	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.39	
For Work In Restricted Working Space, Add	2.78	
For Elevated Installation >10' To 15', Add	0.93	
For Elevated Installation >15' To 20', Add	1.85	
For Elevated Installation >20' To 25', Add	2.32	
For Elevated Installation >25' To 30', Add	3.24	
For Elevated Installation >30' To 35', Add	3.70	
For Elevated Installation >35' To 40', Add	4.63	
For Elevated Installation >40', Add	5.09	
For Factory Applied Color Coating, Add	1.84	
26 05 33 13-0607 LF 3" Electrical Metallic Tubing (EMT) Conduit.....	18.41	4.28
For >250 To 500, Deduct	-0.38	
For >500 To 1,000, Deduct	-1.11	
For >1,000, Deduct	-1.57	
For Installation In Metal Stud Wall, Add	1.07	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.68	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.61	
For Work In Restricted Working Space, Add	3.22	
For Elevated Installation >10' To 15', Add	1.07	
For Elevated Installation >15' To 20', Add	2.14	
For Elevated Installation >20' To 25', Add	2.68	
For Elevated Installation >25' To 30', Add	3.75	
For Elevated Installation >30' To 35', Add	4.29	
For Elevated Installation >35' To 40', Add	5.36	
For Elevated Installation >40', Add	5.90	
For Factory Applied Color Coating, Add	2.31	
26 05 33 13-0608 LF 3-1/2" Electrical Metallic Tubing (EMT) Conduit.....	22.95	5.06
For >250 To 500, Deduct	-0.51	
For >500 To 1,000, Deduct	-1.40	
For >1,000, Deduct	-1.98	
For Installation In Metal Stud Wall, Add	1.27	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.17	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.90	
For Work In Restricted Working Space, Add	3.80	
For Elevated Installation >10' To 15', Add	1.27	
For Elevated Installation >15' To 20', Add	2.53	
For Elevated Installation >20' To 25', Add	3.17	
For Elevated Installation >25' To 30', Add	4.43	
For Elevated Installation >30' To 35', Add	5.07	
For Elevated Installation >35' To 40', Add	6.34	
For Elevated Installation >40', Add	6.97	
For Factory Applied Color Coating, Add	3.08	
26 05 33 13-0609 LF 4" Electrical Metallic Tubing (EMT) Conduit.....	29.80	7.71
For >250 To 500, Deduct	-0.53	
For >500 To 1,000, Deduct	-1.75	
For >1,000, Deduct	-2.50	
For Installation In Metal Stud Wall, Add	1.93	
For Installation In Wood Stud Wall (Includes Drilling), Add	4.82	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.89	
For Work In Restricted Working Space, Add	5.78	
For Elevated Installation >10' To 15', Add	1.93	
For Elevated Installation >15' To 20', Add	3.85	
For Elevated Installation >20' To 25', Add	4.82	
For Elevated Installation >25' To 30', Add	6.74	
For Elevated Installation >30' To 35', Add	7.71	
For Elevated Installation >35' To 40', Add	9.64	
For Elevated Installation >40', Add	10.60	
For Factory Applied Color Coating, Add	3.16	
26 05 33 13-0610 Electrical Metallic Tubing (EMT) 90 Degree Elbows (26 05 33 13-0598)		
See CSI section 26 05 33 13-2224 for conduit field bending.		
26 05 33 13-0611 Electrical Metallic Tubing (EMT) Set Screw Couplings (26 05 33 13-0598)		
26 05 33 13-0612 EA 1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	5.12	2.34
For Work In Restricted Working Space, Add	1.46	
For Elevated Installation >10' To 15', Add	0.49	
For Elevated Installation >15' To 20', Add	0.97	
For Elevated Installation >20' To 25', Add	1.22	
For Elevated Installation >25' To 30', Add	1.70	
For Elevated Installation >30' To 35', Add	1.95	
For Elevated Installation >35' To 40', Add	2.44	
For Elevated Installation >40', Add	2.68	



		Electrical	26
		Common Work Results for Electrical	26 05
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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0613	EA	3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	6.22	2.34
		For Work In Restricted Working Space, Add	1.76	
		For Elevated Installation >10' To 15', Add	0.59	
		For Elevated Installation >15' To 20', Add	1.17	
		For Elevated Installation >20' To 25', Add	1.46	
		For Elevated Installation >25' To 30', Add	2.05	
		For Elevated Installation >30' To 35', Add	2.34	
		For Elevated Installation >35' To 40', Add	2.93	
		For Elevated Installation >40', Add	3.22	
26 05 33 13-0614	EA	1" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	7.38	2.73
		For Work In Restricted Working Space, Add	2.05	
		For Elevated Installation >10' To 15', Add	0.68	
		For Elevated Installation >15' To 20', Add	1.36	
		For Elevated Installation >20' To 25', Add	1.71	
		For Elevated Installation >25' To 30', Add	2.39	
		For Elevated Installation >30' To 35', Add	2.73	
		For Elevated Installation >35' To 40', Add	3.41	
		For Elevated Installation >40', Add	3.75	
26 05 33 13-0615	EA	1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	10.00	3.51
		For Work In Restricted Working Space, Add	2.63	
		For Elevated Installation >10' To 15', Add	0.88	
		For Elevated Installation >15' To 20', Add	1.75	
		For Elevated Installation >20' To 25', Add	2.19	
		For Elevated Installation >25' To 30', Add	3.07	
		For Elevated Installation >30' To 35', Add	3.51	
		For Elevated Installation >35' To 40', Add	4.39	
		For Elevated Installation >40', Add	4.82	
26 05 33 13-0616	EA	1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	12.35	4.28
		For Work In Restricted Working Space, Add	3.22	
		For Elevated Installation >10' To 15', Add	1.07	
		For Elevated Installation >15' To 20', Add	2.14	
		For Elevated Installation >20' To 25', Add	2.68	
		For Elevated Installation >25' To 30', Add	3.75	
		For Elevated Installation >30' To 35', Add	4.29	
		For Elevated Installation >35' To 40', Add	5.36	
		For Elevated Installation >40', Add	5.90	
26 05 33 13-0617	EA	2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	16.78	5.85
		For Work In Restricted Working Space, Add	4.38	
		For Elevated Installation >10' To 15', Add	1.46	
		For Elevated Installation >15' To 20', Add	2.92	
		For Elevated Installation >20' To 25', Add	3.65	
		For Elevated Installation >25' To 30', Add	5.11	
		For Elevated Installation >30' To 35', Add	5.84	
		For Elevated Installation >35' To 40', Add	7.31	
		For Elevated Installation >40', Add	8.04	
26 05 33 13-0618	EA	2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	23.29	7.79
		For Work In Restricted Working Space, Add	5.85	
		For Elevated Installation >10' To 15', Add	1.95	
		For Elevated Installation >15' To 20', Add	3.90	
		For Elevated Installation >20' To 25', Add	4.87	
		For Elevated Installation >25' To 30', Add	6.82	
		For Elevated Installation >30' To 35', Add	7.80	
		For Elevated Installation >35' To 40', Add	9.75	
		For Elevated Installation >40', Add	10.72	
26 05 33 13-0619	EA	3" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	30.27	8.97
		For Work In Restricted Working Space, Add	7.31	
		For Elevated Installation >10' To 15', Add	2.44	
		For Elevated Installation >15' To 20', Add	4.87	
		For Elevated Installation >20' To 25', Add	6.09	
		For Elevated Installation >25' To 30', Add	8.53	
		For Elevated Installation >30' To 35', Add	9.74	
		For Elevated Installation >35' To 40', Add	12.18	
		For Elevated Installation >40', Add	13.40	
26 05 33 13-0620	EA	3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	33.91	9.75
		For Work In Restricted Working Space, Add	8.77	
		For Elevated Installation >10' To 15', Add	2.92	
		For Elevated Installation >15' To 20', Add	5.85	
		For Elevated Installation >20' To 25', Add	7.31	
		For Elevated Installation >25' To 30', Add	10.23	
		For Elevated Installation >30' To 35', Add	11.69	
		For Elevated Installation >35' To 40', Add	14.62	
		For Elevated Installation >40', Add	16.08	
26 05 33 13-0621	EA	4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	98.75	27.94
		For Work In Restricted Working Space, Add	27.13	
		For Elevated Installation >10' To 15', Add	9.04	
		For Elevated Installation >15' To 20', Add	18.08	
		For Elevated Installation >20' To 25', Add	22.61	
		For Elevated Installation >25' To 30', Add	31.65	
		For Elevated Installation >30' To 35', Add	36.17	
		For Elevated Installation >35' To 40', Add	45.21	
		For Elevated Installation >40', Add	49.73	

26 05 33 13-0622 Electrical Metallic Tubing (EMT) Compression Couplings (26 05 33 13-0598)

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0623 EA 1/2 Electrical Metallic Tubing (EMT) Compression Coupling	6.47	2.34
For Work In Restricted Working Space, Add	1.76	
For Elevated Installation >10' To 15', Add	0.59	
For Elevated Installation >15' To 20', Add	1.17	
For Elevated Installation >20' To 25', Add	1.46	
For Elevated Installation >25' To 30', Add	2.05	
For Elevated Installation >30' To 35', Add	2.34	
For Elevated Installation >35' To 40', Add	2.93	
For Elevated Installation >40', Add	3.22	
26 05 33 13-0624 EA 3/4" Electrical Metallic Tubing (EMT) Compression Coupling	7.51	2.73
For Work In Restricted Working Space, Add	2.05	
For Elevated Installation >10' To 15', Add	0.68	
For Elevated Installation >15' To 20', Add	1.36	
For Elevated Installation >20' To 25', Add	1.71	
For Elevated Installation >25' To 30', Add	2.39	
For Elevated Installation >30' To 35', Add	2.73	
For Elevated Installation >35' To 40', Add	3.41	
For Elevated Installation >40', Add	3.75	
26 05 33 13-0625 EA 1" Electrical Metallic Tubing (EMT) Compression Coupling	10.70	3.90
For Work In Restricted Working Space, Add	2.93	
For Elevated Installation >10' To 15', Add	0.98	
For Elevated Installation >15' To 20', Add	1.95	
For Elevated Installation >20' To 25', Add	2.44	
For Elevated Installation >25' To 30', Add	3.41	
For Elevated Installation >30' To 35', Add	3.90	
For Elevated Installation >35' To 40', Add	4.88	
For Elevated Installation >40', Add	5.36	
26 05 33 13-0626 EA 1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling	13.69	4.67
For Work In Restricted Working Space, Add	3.51	
For Elevated Installation >10' To 15', Add	1.17	
For Elevated Installation >15' To 20', Add	2.34	
For Elevated Installation >20' To 25', Add	2.92	
For Elevated Installation >25' To 30', Add	4.09	
For Elevated Installation >30' To 35', Add	4.68	
For Elevated Installation >35' To 40', Add	5.85	
For Elevated Installation >40', Add	6.43	
26 05 33 13-0627 EA 1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	16.45	5.46
For Work In Restricted Working Space, Add	4.09	
For Elevated Installation >10' To 15', Add	1.36	
For Elevated Installation >15' To 20', Add	2.73	
For Elevated Installation >20' To 25', Add	3.41	
For Elevated Installation >25' To 30', Add	4.77	
For Elevated Installation >30' To 35', Add	5.46	
For Elevated Installation >35' To 40', Add	6.82	
For Elevated Installation >40', Add	7.50	
26 05 33 13-0628 EA 2" Electrical Metallic Tubing (EMT) Compression Coupling	21.96	7.02
For Work In Restricted Working Space, Add	5.26	
For Elevated Installation >10' To 15', Add	1.75	
For Elevated Installation >15' To 20', Add	3.51	
For Elevated Installation >20' To 25', Add	4.39	
For Elevated Installation >25' To 30', Add	6.14	
For Elevated Installation >30' To 35', Add	7.02	
For Elevated Installation >35' To 40', Add	8.77	
For Elevated Installation >40', Add	9.65	
26 05 33 13-0629 EA 2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	34.93	9.36
For Work In Restricted Working Space, Add	7.02	
For Elevated Installation >10' To 15', Add	2.34	
For Elevated Installation >15' To 20', Add	4.68	
For Elevated Installation >20' To 25', Add	5.85	
For Elevated Installation >25' To 30', Add	8.19	
For Elevated Installation >30' To 35', Add	9.36	
For Elevated Installation >35' To 40', Add	11.70	
For Elevated Installation >40', Add	12.86	
26 05 33 13-0630 EA 3" Electrical Metallic Tubing (EMT) Compression Coupling	40.40	10.91
For Work In Restricted Working Space, Add	8.18	
For Elevated Installation >10' To 15', Add	2.73	
For Elevated Installation >15' To 20', Add	5.46	
For Elevated Installation >20' To 25', Add	6.82	
For Elevated Installation >25' To 30', Add	9.55	
For Elevated Installation >30' To 35', Add	10.91	
For Elevated Installation >35' To 40', Add	13.64	
For Elevated Installation >40', Add	15.00	
26 05 33 13-0631 EA 3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	50.52	13.64
For Work In Restricted Working Space, Add	10.23	
For Elevated Installation >10' To 15', Add	3.41	
For Elevated Installation >15' To 20', Add	6.82	
For Elevated Installation >20' To 25', Add	8.53	
For Elevated Installation >25' To 30', Add	11.94	
For Elevated Installation >30' To 35', Add	13.64	
For Elevated Installation >35' To 40', Add	17.06	
For Elevated Installation >40', Add	18.76	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0632	EA	4" Electrical Metallic Tubing (EMT) Compression Coupling	64.77	17.54
		For Work In Restricted Working Space, Add	13.16	
		For Elevated Installation >10' To 15', Add	4.39	
		For Elevated Installation >15' To 20', Add	8.77	
		For Elevated Installation >20' To 25', Add	10.96	
		For Elevated Installation >25' To 30', Add	15.35	
		For Elevated Installation >30' To 35', Add	17.54	
		For Elevated Installation >35' To 40', Add	21.93	
		For Elevated Installation >40', Add	24.12	
26 05 33 13-0633		Electrical Metallic Tubing (EMT) Straight Box Connectors With Set Screw ⁽²⁶⁾		
26 05 33 13-0634	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	5.07	1.95
		For Work In Restricted Working Space, Add	1.46	
		For Elevated Installation >10' To 15', Add	0.49	
		For Elevated Installation >15' To 20', Add	0.97	
		For Elevated Installation >20' To 25', Add	1.22	
		For Elevated Installation >25' To 30', Add	1.70	
		For Elevated Installation >30' To 35', Add	1.95	
		For Elevated Installation >35' To 40', Add	2.44	
		For Elevated Installation >40', Add	2.68	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.46	
26 05 33 13-0635	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	6.17	2.34
		For Work In Restricted Working Space, Add	1.76	
		For Elevated Installation >10' To 15', Add	0.59	
		For Elevated Installation >15' To 20', Add	1.17	
		For Elevated Installation >20' To 25', Add	1.46	
		For Elevated Installation >25' To 30', Add	2.05	
		For Elevated Installation >30' To 35', Add	2.34	
		For Elevated Installation >35' To 40', Add	2.93	
		For Elevated Installation >40', Add	3.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.76	
26 05 33 13-0636	EA	1" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	7.39	2.73
		For Work In Restricted Working Space, Add	2.05	
		For Elevated Installation >10' To 15', Add	0.68	
		For Elevated Installation >15' To 20', Add	1.36	
		For Elevated Installation >20' To 25', Add	1.71	
		For Elevated Installation >25' To 30', Add	2.39	
		For Elevated Installation >30' To 35', Add	2.73	
		For Elevated Installation >35' To 40', Add	3.41	
		For Elevated Installation >40', Add	3.75	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.05	
26 05 33 13-0637	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	10.79	3.90
		For Work In Restricted Working Space, Add	2.93	
		For Elevated Installation >10' To 15', Add	0.98	
		For Elevated Installation >15' To 20', Add	1.95	
		For Elevated Installation >20' To 25', Add	2.44	
		For Elevated Installation >25' To 30', Add	3.41	
		For Elevated Installation >30' To 35', Add	3.90	
		For Elevated Installation >35' To 40', Add	4.88	
		For Elevated Installation >40', Add	5.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.93	
26 05 33 13-0638	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	13.20	4.67
		For Work In Restricted Working Space, Add	3.51	
		For Elevated Installation >10' To 15', Add	1.17	
		For Elevated Installation >15' To 20', Add	2.34	
		For Elevated Installation >20' To 25', Add	2.92	
		For Elevated Installation >25' To 30', Add	4.09	
		For Elevated Installation >30' To 35', Add	4.68	
		For Elevated Installation >35' To 40', Add	5.85	
		For Elevated Installation >40', Add	6.43	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.51	
26 05 33 13-0639	EA	2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	16.85	5.85
		For Work In Restricted Working Space, Add	4.38	
		For Elevated Installation >10' To 15', Add	1.46	
		For Elevated Installation >15' To 20', Add	2.92	
		For Elevated Installation >20' To 25', Add	3.65	
		For Elevated Installation >25' To 30', Add	5.11	
		For Elevated Installation >30' To 35', Add	5.84	
		For Elevated Installation >35' To 40', Add	7.31	
		For Elevated Installation >40', Add	8.04	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.38	
26 05 33 13-0640	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	25.72	7.79
		For Work In Restricted Working Space, Add	5.85	
		For Elevated Installation >10' To 15', Add	1.95	
		For Elevated Installation >15' To 20', Add	3.90	
		For Elevated Installation >20' To 25', Add	4.87	
		For Elevated Installation >25' To 30', Add	6.82	
		For Elevated Installation >30' To 35', Add	7.80	
		For Elevated Installation >35' To 40', Add	9.75	
		For Elevated Installation >40', Add	10.72	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.85	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0641	EA		3" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	31.98	9.75
			For Work In Restricted Working Space, Add	7.31	
			For Elevated Installation >10' To 15', Add	2.44	
			For Elevated Installation >15' To 20', Add	4.87	
			For Elevated Installation >20' To 25', Add	6.09	
			For Elevated Installation >25' To 30', Add	8.53	
			For Elevated Installation >30' To 35', Add	9.74	
			For Elevated Installation >35' To 40', Add	12.18	
			For Elevated Installation >40', Add	13.40	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.31	
26 05 33 13-0642	EA		3-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	37.80	11.69
			For Work In Restricted Working Space, Add	8.77	
			For Elevated Installation >10' To 15', Add	2.92	
			For Elevated Installation >15' To 20', Add	5.85	
			For Elevated Installation >20' To 25', Add	7.31	
			For Elevated Installation >25' To 30', Add	10.23	
			For Elevated Installation >30' To 35', Add	11.69	
			For Elevated Installation >35' To 40', Add	14.62	
			For Elevated Installation >40', Add	16.08	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.77	
26 05 33 13-0643	EA		4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	44.03	13.64
			For Work In Restricted Working Space, Add	10.23	
			For Elevated Installation >10' To 15', Add	3.41	
			For Elevated Installation >15' To 20', Add	6.82	
			For Elevated Installation >20' To 25', Add	8.53	
			For Elevated Installation >25' To 30', Add	11.94	
			For Elevated Installation >30' To 35', Add	13.64	
			For Elevated Installation >35' To 40', Add	17.06	
			For Elevated Installation >40', Add	18.76	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.23	
26 05 33 13-0644 Electrical Metallic Tubing (EMT) Insulated Straight Box Connectors With Set Screw (26 05 33 13-0508)					
26 05 33 13-0645	EA		1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	6.86	2.63
			For Work In Restricted Working Space, Add	1.96	
			For Elevated Installation >10' To 15', Add	0.65	
			For Elevated Installation >15' To 20', Add	1.31	
			For Elevated Installation >20' To 25', Add	1.63	
			For Elevated Installation >25' To 30', Add	2.29	
			For Elevated Installation >30' To 35', Add	2.61	
			For Elevated Installation >35' To 40', Add	3.27	
			For Elevated Installation >40', Add	3.59	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.96	
26 05 33 13-0646	EA		3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	7.64	2.83
			For Work In Restricted Working Space, Add	2.13	
			For Elevated Installation >10' To 15', Add	0.71	
			For Elevated Installation >15' To 20', Add	1.42	
			For Elevated Installation >20' To 25', Add	1.78	
			For Elevated Installation >25' To 30', Add	2.49	
			For Elevated Installation >30' To 35', Add	2.84	
			For Elevated Installation >35' To 40', Add	3.56	
			For Elevated Installation >40', Add	3.91	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.13	
26 05 33 13-0647	EA		1" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	9.62	3.51
			For Work In Restricted Working Space, Add	2.60	
			For Elevated Installation >10' To 15', Add	0.87	
			For Elevated Installation >15' To 20', Add	1.73	
			For Elevated Installation >20' To 25', Add	2.17	
			For Elevated Installation >25' To 30', Add	3.03	
			For Elevated Installation >30' To 35', Add	3.47	
			For Elevated Installation >35' To 40', Add	4.34	
			For Elevated Installation >40', Add	4.77	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.60	
26 05 33 13-0648	EA		1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	12.69	4.48
			For Work In Restricted Working Space, Add	3.33	
			For Elevated Installation >10' To 15', Add	1.11	
			For Elevated Installation >15' To 20', Add	2.22	
			For Elevated Installation >20' To 25', Add	2.78	
			For Elevated Installation >25' To 30', Add	3.89	
			For Elevated Installation >30' To 35', Add	4.44	
			For Elevated Installation >35' To 40', Add	5.56	
			For Elevated Installation >40', Add	6.11	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.33	
26 05 33 13-0649	EA		1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	15.06	5.16
			For Work In Restricted Working Space, Add	3.89	
			For Elevated Installation >10' To 15', Add	1.30	
			For Elevated Installation >15' To 20', Add	2.59	
			For Elevated Installation >20' To 25', Add	3.24	
			For Elevated Installation >25' To 30', Add	4.54	
			For Elevated Installation >30' To 35', Add	5.18	
			For Elevated Installation >35' To 40', Add	6.48	
			For Elevated Installation >40', Add	7.13	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.89	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0650	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.47 4.68 1.56 3.12 3.90 5.46 6.24 7.80 8.57 4.68	6.24
26 05 33 13-0651	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.07 6.49 2.16 4.33 5.41 7.57 8.65 10.82 11.90 6.49	8.67
26 05 33 13-0652	EA	3" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.13 8.65 2.88 5.77 7.21 10.09 11.54 14.42 15.86 8.65	11.49
26 05 33 13-0653	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.25 11.14 3.71 7.43 9.28 13.00 14.85 18.57 20.42 11.14	14.81
26 05 33 13-0654	EA	4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.25 14.62 4.87 9.74 12.18 17.05 19.49 24.36 26.80 14.62	19.49
26 05 33 13-0655 Electrical Metallic Tubing (EMT) Straight Box Compression Connectors (26 05 33 13-0656)				
26 05 33 13-0656	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.17 1.76 0.59 1.17 1.46 2.05 2.34 2.93 3.22 1.76	2.34
26 05 33 13-0657	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.31 2.05 0.68 1.36 1.71 2.39 2.73 3.41 3.75 2.05	2.73
26 05 33 13-0658	EA	1" Electrical Metallic Tubing (EMT) Straight Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.45 2.93 0.98 1.95 2.44 3.41 3.90 4.88 5.36 2.93	3.90

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0659	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.00 3.51 1.17 2.34 2.92 4.09 4.68 5.85 6.43 3.51	4.67
26 05 33 13-0660	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.49 4.09 1.36 2.73 3.41 4.77 5.46 6.82 7.50 4.09	5.46
26 05 33 13-0661	EA	2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.22 5.26 1.75 3.51 4.39 6.14 7.02 8.77 9.65 5.26	7.02
26 05 33 13-0662	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.46 7.02 2.34 4.68 5.85 8.19 9.36 11.70 12.86 7.02	9.36
26 05 33 13-0663	EA	3" Electrical Metallic Tubing (EMT) Straight Box Compression Connector For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.79 8.77 2.92 5.85 7.31 10.23 11.69 14.62 16.08 8.77	11.69
26 05 33 13-0664	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.38 10.23 3.41 6.82 8.53 11.94 13.64 17.06 18.76 10.23	13.64
26 05 33 13-0665	EA	4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.61 11.69 3.90 7.79 9.74 13.64 15.59 19.49 21.43 11.69	15.59

26 05 33 13-0666 Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connectors

(26 05 33 13-0598)

26 05 33 13-0667	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.08 1.96 0.65 1.31 1.63 2.29 2.61 3.27 3.59 1.96	2.63
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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0668	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	7.88	2.83
		For Work In Restricted Working Space, Add	2.13	
		For Elevated Installation >10' To 15', Add	0.71	
		For Elevated Installation >15' To 20', Add	1.42	
		For Elevated Installation >20' To 25', Add	1.78	
		For Elevated Installation >25' To 30', Add	2.49	
		For Elevated Installation >30' To 35', Add	2.84	
		For Elevated Installation >35' To 40', Add	3.56	
		For Elevated Installation >40', Add	3.91	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.13	
26 05 33 13-0669	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	9.81	3.51
		For Work In Restricted Working Space, Add	2.60	
		For Elevated Installation >10' To 15', Add	0.87	
		For Elevated Installation >15' To 20', Add	1.73	
		For Elevated Installation >20' To 25', Add	2.17	
		For Elevated Installation >25' To 30', Add	3.03	
		For Elevated Installation >30' To 35', Add	3.47	
		For Elevated Installation >35' To 40', Add	4.34	
		For Elevated Installation >40', Add	4.77	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.60	
26 05 33 13-0670	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	13.24	4.48
		For Work In Restricted Working Space, Add	3.33	
		For Elevated Installation >10' To 15', Add	1.11	
		For Elevated Installation >15' To 20', Add	2.22	
		For Elevated Installation >20' To 25', Add	2.78	
		For Elevated Installation >25' To 30', Add	3.89	
		For Elevated Installation >30' To 35', Add	4.44	
		For Elevated Installation >35' To 40', Add	5.56	
		For Elevated Installation >40', Add	6.11	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.33	
26 05 33 13-0671	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	15.98	5.16
		For Work In Restricted Working Space, Add	3.89	
		For Elevated Installation >10' To 15', Add	1.30	
		For Elevated Installation >15' To 20', Add	2.59	
		For Elevated Installation >20' To 25', Add	3.24	
		For Elevated Installation >25' To 30', Add	4.54	
		For Elevated Installation >30' To 35', Add	5.18	
		For Elevated Installation >35' To 40', Add	6.48	
		For Elevated Installation >40', Add	7.13	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.89	
26 05 33 13-0672	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	19.81	6.24
		For Work In Restricted Working Space, Add	4.68	
		For Elevated Installation >10' To 15', Add	1.56	
		For Elevated Installation >15' To 20', Add	3.12	
		For Elevated Installation >20' To 25', Add	3.90	
		For Elevated Installation >25' To 30', Add	5.46	
		For Elevated Installation >30' To 35', Add	6.24	
		For Elevated Installation >35' To 40', Add	7.80	
		For Elevated Installation >40', Add	8.57	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.68	
26 05 33 13-0673	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	35.94	8.67
		For Work In Restricted Working Space, Add	6.49	
		For Elevated Installation >10' To 15', Add	2.16	
		For Elevated Installation >15' To 20', Add	4.33	
		For Elevated Installation >20' To 25', Add	5.41	
		For Elevated Installation >25' To 30', Add	7.57	
		For Elevated Installation >30' To 35', Add	8.65	
		For Elevated Installation >35' To 40', Add	10.82	
		For Elevated Installation >40', Add	11.90	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.49	
26 05 33 13-0674	EA	3" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	48.31	11.49
		For Work In Restricted Working Space, Add	8.65	
		For Elevated Installation >10' To 15', Add	2.88	
		For Elevated Installation >15' To 20', Add	5.77	
		For Elevated Installation >20' To 25', Add	7.21	
		For Elevated Installation >25' To 30', Add	10.09	
		For Elevated Installation >30' To 35', Add	11.54	
		For Elevated Installation >35' To 40', Add	14.42	
		For Elevated Installation >40', Add	15.86	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.65	
26 05 33 13-0675	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	65.58	14.81
		For Work In Restricted Working Space, Add	11.14	
		For Elevated Installation >10' To 15', Add	3.71	
		For Elevated Installation >15' To 20', Add	7.43	
		For Elevated Installation >20' To 25', Add	9.28	
		For Elevated Installation >25' To 30', Add	13.00	
		For Elevated Installation >30' To 35', Add	14.85	
		For Elevated Installation >35' To 40', Add	18.57	
		For Elevated Installation >40', Add	20.42	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.14	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0676 EA 4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	82.00	19.49
For Work In Restricted Working Space, Add	14.62	
For Elevated Installation >10' To 15', Add	4.87	
For Elevated Installation >15' To 20', Add	9.74	
For Elevated Installation >20' To 25', Add	12.18	
For Elevated Installation >25' To 30', Add	17.05	
For Elevated Installation >30' To 35', Add	19.49	
For Elevated Installation >35' To 40', Add	24.36	
For Elevated Installation >40', Add	26.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.62	
26 05 33 13-0677 Electrical Metallic Tubing (EMT) Expansion Coupling (26 05 33 13-0598)		
Note: Excludes jumper.		
26 05 33 13-0678 EA 1/2" Electrical Metallic Tubing (EMT) Expansion Coupling.....	55.00	12.96
For Work In Restricted Working Space, Add	9.73	
For Elevated Installation >10' To 15', Add	3.24	
For Elevated Installation >15' To 20', Add	6.49	
For Elevated Installation >20' To 25', Add	8.11	
For Elevated Installation >25' To 30', Add	11.35	
For Elevated Installation >30' To 35', Add	12.97	
For Elevated Installation >35' To 40', Add	16.22	
For Elevated Installation >40', Add	17.84	
26 05 33 13-0679 EA 3/4" Electrical Metallic Tubing (EMT) Expansion Coupling.....	66.23	15.69
For Work In Restricted Working Space, Add	11.79	
For Elevated Installation >10' To 15', Add	3.93	
For Elevated Installation >15' To 20', Add	7.86	
For Elevated Installation >20' To 25', Add	9.83	
For Elevated Installation >25' To 30', Add	13.76	
For Elevated Installation >30' To 35', Add	15.72	
For Elevated Installation >35' To 40', Add	19.66	
For Elevated Installation >40', Add	21.62	
26 05 33 13-0680 EA 1" Electrical Metallic Tubing (EMT) Expansion Coupling.....	81.27	19.69
For Work In Restricted Working Space, Add	14.74	
For Elevated Installation >10' To 15', Add	4.91	
For Elevated Installation >15' To 20', Add	9.83	
For Elevated Installation >20' To 25', Add	12.28	
For Elevated Installation >25' To 30', Add	17.20	
For Elevated Installation >30' To 35', Add	19.65	
For Elevated Installation >35' To 40', Add	24.57	
For Elevated Installation >40', Add	27.02	
26 05 33 13-0681 EA 1-1/4" Electrical Metallic Tubing (EMT) Expansion Coupling	105.47	24.17
For Work In Restricted Working Space, Add	18.13	
For Elevated Installation >10' To 15', Add	6.04	
For Elevated Installation >15' To 20', Add	12.09	
For Elevated Installation >20' To 25', Add	15.11	
For Elevated Installation >25' To 30', Add	21.15	
For Elevated Installation >30' To 35', Add	24.18	
For Elevated Installation >35' To 40', Add	30.22	
For Elevated Installation >40', Add	33.24	
26 05 33 13-0682 EA 1-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	131.56	28.35
For Work In Restricted Working Space, Add	21.26	
For Elevated Installation >10' To 15', Add	7.09	
For Elevated Installation >15' To 20', Add	14.18	
For Elevated Installation >20' To 25', Add	17.72	
For Elevated Installation >25' To 30', Add	24.81	
For Elevated Installation >30' To 35', Add	28.35	
For Elevated Installation >35' To 40', Add	35.44	
For Elevated Installation >40', Add	38.98	
26 05 33 13-0683 EA 2" Electrical Metallic Tubing (EMT) Expansion Coupling.....	165.23	34.49
For Work In Restricted Working Space, Add	25.90	
For Elevated Installation >10' To 15', Add	8.63	
For Elevated Installation >15' To 20', Add	17.26	
For Elevated Installation >20' To 25', Add	21.58	
For Elevated Installation >25' To 30', Add	30.21	
For Elevated Installation >30' To 35', Add	34.53	
For Elevated Installation >35' To 40', Add	43.16	
For Elevated Installation >40', Add	47.48	
26 05 33 13-0684 EA 2-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	322.09	44.34
For Work In Restricted Working Space, Add	33.26	
For Elevated Installation >10' To 15', Add	11.09	
For Elevated Installation >15' To 20', Add	22.17	
For Elevated Installation >20' To 25', Add	27.72	
For Elevated Installation >25' To 30', Add	38.80	
For Elevated Installation >30' To 35', Add	44.34	
For Elevated Installation >35' To 40', Add	55.43	
For Elevated Installation >40', Add	60.97	
26 05 33 13-0685 EA 3" Electrical Metallic Tubing (EMT) Expansion Coupling.....	394.68	51.84
For Work In Restricted Working Space, Add	38.89	
For Elevated Installation >10' To 15', Add	12.96	
For Elevated Installation >15' To 20', Add	25.93	
For Elevated Installation >20' To 25', Add	32.41	
For Elevated Installation >25' To 30', Add	45.37	
For Elevated Installation >30' To 35', Add	51.85	
For Elevated Installation >35' To 40', Add	64.82	
For Elevated Installation >40', Add	71.30	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0686	EA	3-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	486.95	56.51
		For Work In Restricted Working Space, Add	42.40	
		For Elevated Installation >10' To 15', Add	14.13	
		For Elevated Installation >15' To 20', Add	28.27	
		For Elevated Installation >20' To 25', Add	35.33	
		For Elevated Installation >25' To 30', Add	49.47	
		For Elevated Installation >30' To 35', Add	56.53	
		For Elevated Installation >35' To 40', Add	70.67	
		For Elevated Installation >40', Add	77.73	
26 05 33 13-0687	EA	4" Electrical Metallic Tubing (EMT) Expansion Coupling	526.68	62.36
		For Work In Restricted Working Space, Add	46.79	
		For Elevated Installation >10' To 15', Add	15.60	
		For Elevated Installation >15' To 20', Add	31.19	
		For Elevated Installation >20' To 25', Add	38.99	
		For Elevated Installation >25' To 30', Add	54.58	
		For Elevated Installation >30' To 35', Add	62.36	
		For Elevated Installation >35' To 40', Add	77.98	
		For Elevated Installation >40', Add	85.77	
26 05 33 13-0688 Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters				
<small>(26 05 33 13-0596)</small>				
26 05 33 13-0689	EA	1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	10.01	3.51
		For Work In Restricted Working Space, Add	2.60	
		For Elevated Installation >10' To 15', Add	0.87	
		For Elevated Installation >15' To 20', Add	1.73	
		For Elevated Installation >20' To 25', Add	2.16	
		For Elevated Installation >25' To 30', Add	3.03	
		For Elevated Installation >30' To 35', Add	3.46	
		For Elevated Installation >35' To 40', Add	4.33	
		For Elevated Installation >40', Add	4.76	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.60	
26 05 33 13-0690	EA	1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	10.75	3.51
		For Work In Restricted Working Space, Add	2.60	
		For Elevated Installation >10' To 15', Add	0.87	
		For Elevated Installation >15' To 20', Add	1.73	
		For Elevated Installation >20' To 25', Add	2.16	
		For Elevated Installation >25' To 30', Add	3.03	
		For Elevated Installation >30' To 35', Add	3.46	
		For Elevated Installation >35' To 40', Add	4.33	
		For Elevated Installation >40', Add	4.76	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.60	
26 05 33 13-0691	EA	3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	12.03	3.80
		For Work In Restricted Working Space, Add	2.89	
		For Elevated Installation >10' To 15', Add	0.96	
		For Elevated Installation >15' To 20', Add	1.92	
		For Elevated Installation >20' To 25', Add	2.41	
		For Elevated Installation >25' To 30', Add	3.37	
		For Elevated Installation >30' To 35', Add	3.85	
		For Elevated Installation >35' To 40', Add	4.81	
		For Elevated Installation >40', Add	5.29	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.89	
26 05 33 13-0692	EA	1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	14.03	4.38
		For Work In Restricted Working Space, Add	3.28	
		For Elevated Installation >10' To 15', Add	1.09	
		For Elevated Installation >15' To 20', Add	2.19	
		For Elevated Installation >20' To 25', Add	2.74	
		For Elevated Installation >25' To 30', Add	3.83	
		For Elevated Installation >30' To 35', Add	4.38	
		For Elevated Installation >35' To 40', Add	5.47	
		For Elevated Installation >40', Add	6.02	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.28	
26 05 33 13-0693	EA	1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	20.24	5.27
		For Work In Restricted Working Space, Add	3.97	
		For Elevated Installation >10' To 15', Add	1.32	
		For Elevated Installation >15' To 20', Add	2.65	
		For Elevated Installation >20' To 25', Add	3.31	
		For Elevated Installation >25' To 30', Add	4.63	
		For Elevated Installation >30' To 35', Add	5.29	
		For Elevated Installation >35' To 40', Add	6.62	
		For Elevated Installation >40', Add	7.28	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.97	
26 05 33 13-0694	EA	1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	24.87	6.04
		For Work In Restricted Working Space, Add	4.54	
		For Elevated Installation >10' To 15', Add	1.51	
		For Elevated Installation >15' To 20', Add	3.02	
		For Elevated Installation >20' To 25', Add	3.78	
		For Elevated Installation >25' To 30', Add	5.29	
		For Elevated Installation >30' To 35', Add	6.05	
		For Elevated Installation >35' To 40', Add	7.56	
		For Elevated Installation >40', Add	8.32	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.54	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0695 EA 2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	32.50	7.60
For Work In Restricted Working Space, Add	5.67	
For Elevated Installation >10' To 15', Add	1.89	
For Elevated Installation >15' To 20', Add	3.78	
For Elevated Installation >20' To 25', Add	4.73	
For Elevated Installation >25' To 30', Add	6.62	
For Elevated Installation >30' To 35', Add	7.56	
For Elevated Installation >35' To 40', Add	9.45	
For Elevated Installation >40', Add	10.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.67	
26 05 33 13-0696 Electrical Metallic Tubing (EMT) Pulling Elbows (26 05 33 13-0598)		
26 05 33 13-0697 EA 1/2" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	21.08	8.77
For Work In Restricted Working Space, Add	5.26	
For Elevated Installation >15' To 20', Add	3.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.26	
26 05 33 13-0698 EA 3/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	24.56	10.23
For Work In Restricted Working Space, Add	6.14	
For Elevated Installation >15' To 20', Add	4.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.14	
26 05 33 13-0699 EA 1" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	30.72	11.69
For Work In Restricted Working Space, Add	7.02	
For Elevated Installation >15' To 20', Add	4.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.02	
26 05 33 13-0700 EA 1-1/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	39.32	14.61
For Work In Restricted Working Space, Add	8.77	
For Elevated Installation >15' To 20', Add	5.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.77	
26 05 33 13-0701 Intermediate Metal Conduit (IMC) (26 05 33 13-0058)		
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0702 Intermediate Metal Conduit (IMC) Conduit (26 05 33 13-0701)		
Note: Includes field bending conduit up to 1".		
26 05 33 13-0703 LF 1/2" Intermediate Metal Conduit (IMC) Conduit	6.70	1.95
For >250 To 500, Deduct	-0.09	
For >500 To 1,000, Deduct	-0.14	
For >1,000, Deduct	-0.18	
For Installation In Metal Stud Wall, Add	0.49	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.22	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.73	
For Work In Restricted Working Space, Add	1.46	
For Elevated Installation >10' To 15', Add	0.49	
For Elevated Installation >15' To 20', Add	0.97	
For Elevated Installation >20' To 25', Add	1.22	
For Elevated Installation >25' To 30', Add	1.70	
For Elevated Installation >30' To 35', Add	1.95	
For Elevated Installation >35' To 40', Add	2.44	
For Elevated Installation >40', Add	2.68	
26 05 33 13-0704 LF 3/4" Intermediate Metal Conduit (IMC) Conduit	7.55	2.15
For >250 To 500, Deduct	-0.11	
For >500 To 1,000, Deduct	-0.16	
For >1,000, Deduct	-0.22	
For Installation In Metal Stud Wall, Add	0.54	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.34	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.80	
For Work In Restricted Working Space, Add	1.61	
For Elevated Installation >10' To 15', Add	0.54	
For Elevated Installation >15' To 20', Add	1.07	
For Elevated Installation >20' To 25', Add	1.34	
For Elevated Installation >25' To 30', Add	1.88	
For Elevated Installation >30' To 35', Add	2.14	
For Elevated Installation >35' To 40', Add	2.68	
For Elevated Installation >40', Add	2.95	
26 05 33 13-0705 LF 1" Intermediate Metal Conduit (IMC) Conduit	9.23	2.34
For >250 To 500, Deduct	-0.17	
For >500 To 1,000, Deduct	-0.25	
For >1,000, Deduct	-0.34	
For Installation In Metal Stud Wall, Add	0.59	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.46	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.88	
For Work In Restricted Working Space, Add	1.76	
For Elevated Installation >10' To 15', Add	0.59	
For Elevated Installation >15' To 20', Add	1.17	
For Elevated Installation >20' To 25', Add	1.46	
For Elevated Installation >25' To 30', Add	2.05	
For Elevated Installation >30' To 35', Add	2.34	
For Elevated Installation >35' To 40', Add	2.93	
For Elevated Installation >40', Add	3.22	



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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0706	LF	1-1/4" Intermediate Metal Conduit (IMC) Conduit	11.10	4.67
		For >250 To 500, Deduct	-0.21	
		For >500 To 1,000, Deduct	-0.32	
		For >1,000, Deduct	-0.43	
		For Installation In Metal Stub Wall, Add	0.68	
		For Installation In Wood Stud Wall (Includes Drilling), Add	1.71	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.02	
		For Work In Restricted Working Space, Add	2.05	
		For Elevated Installation >10' To 15', Add	0.68	
		For Elevated Installation >15' To 20', Add	1.36	
		For Elevated Installation >20' To 25', Add	1.71	
		For Elevated Installation >25' To 30', Add	2.39	
		For Elevated Installation >30' To 35', Add	2.73	
		For Elevated Installation >35' To 40', Add	3.41	
		For Elevated Installation >40', Add	3.75	
26 05 33 13-0707	LF	1-1/2" Intermediate Metal Conduit (IMC) Conduit	12.84	3.12
		For >250 To 500, Deduct	-0.25	
		For >500 To 1,000, Deduct	-0.38	
		For >1,000, Deduct	-0.51	
		For Installation In Metal Stub Wall, Add	0.78	
		For Installation In Wood Stud Wall (Includes Drilling), Add	1.95	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.17	
		For Work In Restricted Working Space, Add	2.34	
		For Elevated Installation >10' To 15', Add	0.78	
		For Elevated Installation >15' To 20', Add	1.56	
		For Elevated Installation >20' To 25', Add	1.95	
		For Elevated Installation >25' To 30', Add	2.73	
		For Elevated Installation >30' To 35', Add	3.12	
		For Elevated Installation >35' To 40', Add	3.90	
		For Elevated Installation >40', Add	4.28	
26 05 33 13-0708	LF	2" Intermediate Metal Conduit (IMC) Conduit	15.62	3.51
		For >250 To 500, Deduct	-0.34	
		For >500 To 1,000, Deduct	-0.51	
		For >1,000, Deduct	-0.69	
		For Installation In Metal Stub Wall, Add	0.88	
		For Installation In Wood Stud Wall (Includes Drilling), Add	2.19	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.32	
		For Work In Restricted Working Space, Add	2.63	
		For Elevated Installation >10' To 15', Add	0.88	
		For Elevated Installation >15' To 20', Add	1.75	
		For Elevated Installation >20' To 25', Add	2.19	
		For Elevated Installation >25' To 30', Add	3.07	
		For Elevated Installation >30' To 35', Add	3.51	
		For Elevated Installation >35' To 40', Add	4.39	
		For Elevated Installation >40', Add	4.82	
26 05 33 13-0709	LF	2-1/2" Intermediate Metal Conduit (IMC) Conduit	26.87	4.67
		For >250 To 500, Deduct	-0.76	
		For >500 To 1,000, Deduct	-1.14	
		For >1,000, Deduct	-1.52	
		For Installation In Metal Stub Wall, Add	1.17	
		For Installation In Wood Stud Wall (Includes Drilling), Add	2.92	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.75	
		For Work In Restricted Working Space, Add	3.51	
		For Elevated Installation >10' To 15', Add	1.17	
		For Elevated Installation >15' To 20', Add	2.34	
		For Elevated Installation >20' To 25', Add	2.92	
		For Elevated Installation >25' To 30', Add	4.09	
		For Elevated Installation >30' To 35', Add	4.68	
		For Elevated Installation >35' To 40', Add	5.85	
		For Elevated Installation >40', Add	6.43	
26 05 33 13-0710	LF	3" Intermediate Metal Conduit (IMC) Conduit	33.29	5.85
		For >250 To 500, Deduct	-0.93	
		For >500 To 1,000, Deduct	-1.40	
		For >1,000, Deduct	-1.87	
		For Installation In Metal Stub Wall, Add	1.46	
		For Installation In Wood Stud Wall (Includes Drilling), Add	3.65	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.19	
		For Work In Restricted Working Space, Add	4.38	
		For Elevated Installation >10' To 15', Add	1.46	
		For Elevated Installation >15' To 20', Add	2.92	
		For Elevated Installation >20' To 25', Add	3.65	
		For Elevated Installation >25' To 30', Add	5.11	
		For Elevated Installation >30' To 35', Add	5.84	
		For Elevated Installation >35' To 40', Add	7.31	
		For Elevated Installation >40', Add	8.04	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0711 LF 3-1/2" Intermediate Metal Conduit (IMC) Conduit	39.18	7.02
For >250 To 500, Deduct	-1.08	
For >500 To 1,000, Deduct	-1.62	
For >1,000, Deduct	-2.16	
For Installation In Metal Stud Wall, Add	1.75	
For Installation In Wood Stud Wall (Includes Drilling), Add	4.39	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.63	
For Work In Restricted Working Space, Add	5.26	
For Elevated Installation >10' To 15', Add	1.75	
For Elevated Installation >15' To 20', Add	3.51	
For Elevated Installation >20' To 25', Add	4.39	
For Elevated Installation >25' To 30', Add	6.14	
For Elevated Installation >30' To 35', Add	7.02	
For Elevated Installation >35' To 40', Add	8.77	
For Elevated Installation >40', Add	9.65	
26 05 33 13-0712 LF 4" Intermediate Metal Conduit (IMC) Conduit.....	45.92	8.18
For >250 To 500, Deduct	-1.27	
For >500 To 1,000, Deduct	-1.91	
For >1,000, Deduct	-2.55	
For Installation In Metal Stud Wall, Add	2.05	
For Installation In Wood Stud Wall (Includes Drilling), Add	5.12	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.07	
For Work In Restricted Working Space, Add	6.14	
For Elevated Installation >10' To 15', Add	2.05	
For Elevated Installation >15' To 20', Add	4.09	
For Elevated Installation >20' To 25', Add	5.12	
For Elevated Installation >25' To 30', Add	7.16	
For Elevated Installation >30' To 35', Add	8.18	
For Elevated Installation >35' To 40', Add	10.23	
For Elevated Installation >40', Add	11.25	
26 05 33 13-0713 Intermediate Metal Conduit (IMC) 90 Degree Elbows (26 05 33 13-0701)		
See CSI section 26 05 33 13-2224 for conduit field bending.		
26 05 33 13-0714 EA 1" Intermediate Metal Conduit (IMC) 90 Degree Elbow.....	52.22	14.71
For Work In Restricted Working Space, Add	11.00	
For Elevated Installation >10' To 15', Add	3.67	
For Elevated Installation >15' To 20', Add	7.34	
For Elevated Installation >20' To 25', Add	9.17	
For Elevated Installation >25' To 30', Add	12.84	
For Elevated Installation >30' To 35', Add	14.67	
For Elevated Installation >35' To 40', Add	18.34	
For Elevated Installation >40', Add	20.17	
26 05 33 13-0715 EA 1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	64.38	17.05
For Work In Restricted Working Space, Add	12.78	
For Elevated Installation >10' To 15', Add	4.26	
For Elevated Installation >15' To 20', Add	8.52	
For Elevated Installation >20' To 25', Add	10.65	
For Elevated Installation >25' To 30', Add	14.91	
For Elevated Installation >30' To 35', Add	17.04	
For Elevated Installation >35' To 40', Add	21.30	
For Elevated Installation >40', Add	23.42	
26 05 33 13-0716 EA 1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	76.44	19.59
For Work In Restricted Working Space, Add	14.67	
For Elevated Installation >10' To 15', Add	4.89	
For Elevated Installation >15' To 20', Add	9.78	
For Elevated Installation >20' To 25', Add	12.22	
For Elevated Installation >25' To 30', Add	17.11	
For Elevated Installation >30' To 35', Add	19.56	
For Elevated Installation >35' To 40', Add	24.45	
For Elevated Installation >40', Add	26.89	
26 05 33 13-0717 EA 2" Intermediate Metal Conduit (IMC) 90 Degree Elbow.....	93.44	21.53
For Work In Restricted Working Space, Add	16.13	
For Elevated Installation >10' To 15', Add	5.38	
For Elevated Installation >15' To 20', Add	10.76	
For Elevated Installation >20' To 25', Add	13.45	
For Elevated Installation >25' To 30', Add	18.82	
For Elevated Installation >30' To 35', Add	21.51	
For Elevated Installation >35' To 40', Add	26.89	
For Elevated Installation >40', Add	29.58	
26 05 33 13-0718 EA 2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	134.56	26.90
For Work In Restricted Working Space, Add	20.17	
For Elevated Installation >10' To 15', Add	6.72	
For Elevated Installation >15' To 20', Add	13.44	
For Elevated Installation >20' To 25', Add	16.81	
For Elevated Installation >25' To 30', Add	23.53	
For Elevated Installation >30' To 35', Add	26.89	
For Elevated Installation >35' To 40', Add	33.61	
For Elevated Installation >40', Add	36.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0719 EA 3" Intermediate Metal Conduit (IMC) 90 Degree Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	194.67 27.47 9.16 18.32 22.90 32.05 36.63 45.79 50.37	36.64
26 05 33 13-0720 EA 3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	285.30 30.99 10.33 20.66 25.83 36.16 41.32 51.65 56.82	41.31
26 05 33 13-0721 EA 4" Intermediate Metal Conduit (IMC) 90 Degree Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	345.56 40.33 13.44 26.89 33.61 47.05 53.78 67.22 73.94	53.79
26 05 33 13-0722 Intermediate Metal Conduit (IMC) Bushing Sets With Locknut (26 05 33 13-0701)		
26 05 33 13-0723 EA 1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.34 3.80	5.06
26 05 33 13-0724 EA 3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.76 4.38	0.58
26 05 33 13-0725 EA 1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.43 5.55	7.40
26 05 33 13-0726 EA 1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.97 6.72	8.97
26 05 33 13-0727 EA 1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.01 7.31	9.75
26 05 33 13-0728 EA 2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.23 9.06	12.08
26 05 33 13-0729 EA 2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.49 14.62	19.49
26 05 33 13-0730 EA 3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	82.95 19.88	26.51
26 05 33 13-0731 EA 3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	109.11 23.68	31.57
26 05 33 13-0732 EA 4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	128.91 27.48	36.64
26 05 33 13-0733 Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings (26 05 33 13-0701)		
Note: 3-Piece coupling.		
26 05 33 13-0734 EA 1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.24 11.71 3.90 7.80 9.76 13.66 15.61 19.51 21.46 11.71	15.59
26 05 33 13-0735 EA 3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.28 13.07 4.36 8.71 10.89 15.24 17.42 21.78 23.95 13.07	17.44
26 05 33 13-0736 EA 1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.48 14.55 4.85 9.70 12.13 16.98 19.40 24.26 26.68 14.55	19.39

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0737	EA 1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	76.96	21.24
	For Work In Restricted Working Space, Add	15.93	
	For Elevated Installation >10' To 15', Add	5.31	
	For Elevated Installation >15' To 20', Add	10.62	
	For Elevated Installation >20' To 25', Add	13.27	
	For Elevated Installation >25' To 30', Add	18.58	
	For Elevated Installation >30' To 35', Add	21.24	
	For Elevated Installation >35' To 40', Add	26.55	
	For Elevated Installation >40', Add	29.20	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.93	
26 05 33 13-0738	EA 1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	88.03	23.19
	For Work In Restricted Working Space, Add	17.42	
	For Elevated Installation >10' To 15', Add	5.81	
	For Elevated Installation >15' To 20', Add	11.62	
	For Elevated Installation >20' To 25', Add	14.52	
	For Elevated Installation >25' To 30', Add	20.33	
	For Elevated Installation >30' To 35', Add	23.23	
	For Elevated Installation >35' To 40', Add	29.04	
	For Elevated Installation >40', Add	31.94	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.42	
26 05 33 13-0739	EA 2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	122.81	25.14
	For Work In Restricted Working Space, Add	18.87	
	For Elevated Installation >10' To 15', Add	6.29	
	For Elevated Installation >15' To 20', Add	12.58	
	For Elevated Installation >20' To 25', Add	15.73	
	For Elevated Installation >25' To 30', Add	22.02	
	For Elevated Installation >30' To 35', Add	25.16	
	For Elevated Installation >35' To 40', Add	31.45	
	For Elevated Installation >40', Add	34.60	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.87	
26 05 33 13-0740	EA 2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	206.10	31.18
	For Work In Restricted Working Space, Add	23.39	
	For Elevated Installation >10' To 15', Add	7.80	
	For Elevated Installation >15' To 20', Add	15.59	
	For Elevated Installation >20' To 25', Add	19.49	
	For Elevated Installation >25' To 30', Add	27.28	
	For Elevated Installation >30' To 35', Add	31.18	
	For Elevated Installation >35' To 40', Add	38.98	
	For Elevated Installation >40', Add	42.87	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.39	
26 05 33 13-0741	EA 3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	292.86	38.97
	For Work In Restricted Working Space, Add	29.23	
	For Elevated Installation >10' To 15', Add	9.74	
	For Elevated Installation >15' To 20', Add	19.49	
	For Elevated Installation >20' To 25', Add	24.36	
	For Elevated Installation >25' To 30', Add	34.10	
	For Elevated Installation >30' To 35', Add	38.98	
	For Elevated Installation >35' To 40', Add	48.72	
	For Elevated Installation >40', Add	53.59	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.23	
26 05 33 13-0742	EA 3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	430.93	46.78
	For Work In Restricted Working Space, Add	35.09	
	For Elevated Installation >10' To 15', Add	11.70	
	For Elevated Installation >15' To 20', Add	23.39	
	For Elevated Installation >20' To 25', Add	29.24	
	For Elevated Installation >25' To 30', Add	40.94	
	For Elevated Installation >30' To 35', Add	46.79	
	For Elevated Installation >35' To 40', Add	58.49	
	For Elevated Installation >40', Add	64.33	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.09	
26 05 33 13-0743	EA 4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	498.29	50.67
	For Work In Restricted Working Space, Add	38.00	
	For Elevated Installation >10' To 15', Add	12.67	
	For Elevated Installation >15' To 20', Add	25.33	
	For Elevated Installation >20' To 25', Add	31.67	
	For Elevated Installation >25' To 30', Add	44.33	
	For Elevated Installation >30' To 35', Add	50.66	
	For Elevated Installation >35' To 40', Add	63.33	
	For Elevated Installation >40', Add	69.66	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.00	

26 05 33 13-0744 Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors (26 05 33 13-0701)

26 05 33 13-0745	EA 1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	25.18	7.79
	For Work In Restricted Working Space, Add	5.85	
	For Elevated Installation >10' To 15', Add	1.95	
	For Elevated Installation >15' To 20', Add	3.90	
	For Elevated Installation >20' To 25', Add	4.87	
	For Elevated Installation >25' To 30', Add	6.82	
	For Elevated Installation >30' To 35', Add	7.80	
	For Elevated Installation >35' To 40', Add	9.75	
	For Elevated Installation >40', Add	10.72	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0746	EA		3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	28.17	8.57
			For Work In Restricted Working Space, Add	6.43	
			For Elevated Installation >10' To 15', Add	2.14	
			For Elevated Installation >15' To 20', Add	4.29	
			For Elevated Installation >20' To 25', Add	5.36	
			For Elevated Installation >25' To 30', Add	7.50	
			For Elevated Installation >30' To 35', Add	8.58	
			For Elevated Installation >35' To 40', Add	10.72	
			For Elevated Installation >40', Add	11.79	
26 05 33 13-0747	EA		1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	32.37	9.75
			For Work In Restricted Working Space, Add	7.31	
			For Elevated Installation >10' To 15', Add	2.44	
			For Elevated Installation >15' To 20', Add	4.87	
			For Elevated Installation >20' To 25', Add	6.09	
			For Elevated Installation >25' To 30', Add	8.53	
			For Elevated Installation >30' To 35', Add	9.74	
			For Elevated Installation >35' To 40', Add	12.18	
			For Elevated Installation >40', Add	13.40	
26 05 33 13-0748	EA		1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	36.88	10.52
			For Work In Restricted Working Space, Add	7.89	
			For Elevated Installation >10' To 15', Add	2.63	
			For Elevated Installation >15' To 20', Add	5.26	
			For Elevated Installation >20' To 25', Add	6.58	
			For Elevated Installation >25' To 30', Add	9.21	
			For Elevated Installation >30' To 35', Add	10.52	
			For Elevated Installation >35' To 40', Add	13.16	
			For Elevated Installation >40', Add	14.47	
26 05 33 13-0749	EA		1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	43.97	11.69
			For Work In Restricted Working Space, Add	8.77	
			For Elevated Installation >10' To 15', Add	2.92	
			For Elevated Installation >15' To 20', Add	5.85	
			For Elevated Installation >20' To 25', Add	7.31	
			For Elevated Installation >25' To 30', Add	10.23	
			For Elevated Installation >30' To 35', Add	11.69	
			For Elevated Installation >35' To 40', Add	14.62	
			For Elevated Installation >40', Add	16.08	
26 05 33 13-0750	EA		2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	53.93	12.86
			For Work In Restricted Working Space, Add	9.65	
			For Elevated Installation >10' To 15', Add	3.22	
			For Elevated Installation >15' To 20', Add	6.43	
			For Elevated Installation >20' To 25', Add	8.04	
			For Elevated Installation >25' To 30', Add	11.25	
			For Elevated Installation >30' To 35', Add	12.86	
			For Elevated Installation >35' To 40', Add	16.08	
			For Elevated Installation >40', Add	17.68	
26 05 33 13-0751	EA		2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	73.89	15.59
			For Work In Restricted Working Space, Add	11.69	
			For Elevated Installation >10' To 15', Add	3.90	
			For Elevated Installation >15' To 20', Add	7.79	
			For Elevated Installation >20' To 25', Add	9.74	
			For Elevated Installation >25' To 30', Add	13.64	
			For Elevated Installation >30' To 35', Add	15.59	
			For Elevated Installation >35' To 40', Add	19.49	
			For Elevated Installation >40', Add	21.43	
26 05 33 13-0752	EA		3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	91.33	19.49
			For Work In Restricted Working Space, Add	14.62	
			For Elevated Installation >10' To 15', Add	4.87	
			For Elevated Installation >15' To 20', Add	9.74	
			For Elevated Installation >20' To 25', Add	12.18	
			For Elevated Installation >25' To 30', Add	17.05	
			For Elevated Installation >30' To 35', Add	19.49	
			For Elevated Installation >35' To 40', Add	24.36	
			For Elevated Installation >40', Add	26.80	
26 05 33 13-0753	EA		3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	109.72	23.39
			For Work In Restricted Working Space, Add	17.54	
			For Elevated Installation >10' To 15', Add	5.85	
			For Elevated Installation >15' To 20', Add	11.69	
			For Elevated Installation >20' To 25', Add	14.62	
			For Elevated Installation >25' To 30', Add	20.46	
			For Elevated Installation >30' To 35', Add	23.38	
			For Elevated Installation >35' To 40', Add	29.23	
			For Elevated Installation >40', Add	32.15	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0754 EA 4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	124.20	25.33
For Work In Restricted Working Space, Add	19.00	
For Elevated Installation >10' To 15', Add	6.33	
For Elevated Installation >15' To 20', Add	12.67	
For Elevated Installation >20' To 25', Add	15.83	
For Elevated Installation >25' To 30', Add	22.17	
For Elevated Installation >30' To 35', Add	25.33	
For Elevated Installation >35' To 40', Add	31.67	
For Elevated Installation >40', Add	34.83	
26 05 33 13-0755 Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs (26 05 33 13-0701)		
26 05 33 13-0756 EA 1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	21.86	7.79
For Work In Restricted Working Space, Add	5.85	
For Elevated Installation >10' To 15', Add	1.95	
For Elevated Installation >15' To 20', Add	3.90	
For Elevated Installation >20' To 25', Add	4.87	
For Elevated Installation >25' To 30', Add	6.82	
For Elevated Installation >30' To 35', Add	7.80	
For Elevated Installation >35' To 40', Add	9.75	
For Elevated Installation >40', Add	10.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.85	
26 05 33 13-0757 EA 3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	27.92	9.75
For Work In Restricted Working Space, Add	7.31	
For Elevated Installation >10' To 15', Add	2.44	
For Elevated Installation >15' To 20', Add	4.87	
For Elevated Installation >20' To 25', Add	6.09	
For Elevated Installation >25' To 30', Add	8.53	
For Elevated Installation >30' To 35', Add	9.74	
For Elevated Installation >35' To 40', Add	12.18	
For Elevated Installation >40', Add	13.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.31	
26 05 33 13-0758 EA 1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	34.48	11.69
For Work In Restricted Working Space, Add	8.77	
For Elevated Installation >10' To 15', Add	2.92	
For Elevated Installation >15' To 20', Add	5.85	
For Elevated Installation >20' To 25', Add	7.31	
For Elevated Installation >25' To 30', Add	10.23	
For Elevated Installation >30' To 35', Add	11.69	
For Elevated Installation >35' To 40', Add	14.62	
For Elevated Installation >40', Add	16.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.77	
26 05 33 13-0759 EA 1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	41.54	13.64
For Work In Restricted Working Space, Add	10.23	
For Elevated Installation >10' To 15', Add	3.41	
For Elevated Installation >15' To 20', Add	6.82	
For Elevated Installation >20' To 25', Add	8.53	
For Elevated Installation >25' To 30', Add	11.94	
For Elevated Installation >30' To 35', Add	13.64	
For Elevated Installation >35' To 40', Add	17.06	
For Elevated Installation >40', Add	18.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.23	
26 05 33 13-0760 EA 1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	48.55	15.59
For Work In Restricted Working Space, Add	11.69	
For Elevated Installation >10' To 15', Add	3.90	
For Elevated Installation >15' To 20', Add	7.79	
For Elevated Installation >20' To 25', Add	9.74	
For Elevated Installation >25' To 30', Add	13.64	
For Elevated Installation >30' To 35', Add	15.59	
For Elevated Installation >35' To 40', Add	19.49	
For Elevated Installation >40', Add	21.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.69	
26 05 33 13-0761 EA 2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	57.68	17.54
For Work In Restricted Working Space, Add	13.15	
For Elevated Installation >10' To 15', Add	4.38	
For Elevated Installation >15' To 20', Add	8.77	
For Elevated Installation >20' To 25', Add	10.96	
For Elevated Installation >25' To 30', Add	15.34	
For Elevated Installation >30' To 35', Add	17.54	
For Elevated Installation >35' To 40', Add	21.92	
For Elevated Installation >40', Add	24.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.15	
26 05 33 13-0762 EA 2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	71.91	19.49
For Work In Restricted Working Space, Add	14.62	
For Elevated Installation >10' To 15', Add	4.87	
For Elevated Installation >15' To 20', Add	9.74	
For Elevated Installation >20' To 25', Add	12.18	
For Elevated Installation >25' To 30', Add	17.05	
For Elevated Installation >30' To 35', Add	19.49	
For Elevated Installation >35' To 40', Add	24.36	
For Elevated Installation >40', Add	26.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.62	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0763	EA	3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	84.82	21.43
		For Work In Restricted Working Space, Add	16.07	
		For Elevated Installation >10' To 15', Add	5.36	
		For Elevated Installation >15' To 20', Add	10.72	
		For Elevated Installation >20' To 25', Add	13.40	
		For Elevated Installation >25' To 30', Add	18.75	
		For Elevated Installation >30' To 35', Add	21.43	
		For Elevated Installation >35' To 40', Add	26.79	
		For Elevated Installation >40', Add	29.47	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.07	
26 05 33 13-0764	EA	3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	103.82	25.33
		For Work In Restricted Working Space, Add	19.00	
		For Elevated Installation >10' To 15', Add	6.33	
		For Elevated Installation >15' To 20', Add	12.67	
		For Elevated Installation >20' To 25', Add	15.83	
		For Elevated Installation >25' To 30', Add	22.17	
		For Elevated Installation >30' To 35', Add	25.33	
		For Elevated Installation >35' To 40', Add	31.67	
		For Elevated Installation >40', Add	34.83	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.00	
26 05 33 13-0765	EA	4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	119.30	27.28
		For Work In Restricted Working Space, Add	20.46	
		For Elevated Installation >10' To 15', Add	6.82	
		For Elevated Installation >15' To 20', Add	13.64	
		For Elevated Installation >20' To 25', Add	17.05	
		For Elevated Installation >25' To 30', Add	23.87	
		For Elevated Installation >30' To 35', Add	27.28	
		For Elevated Installation >35' To 40', Add	34.10	
		For Elevated Installation >40', Add	37.51	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.46	
26 05 33 13-0766		Intermediate Metal Conduit (IMC) Expansion Fittings (26 05 33 13-0701)		
26 05 33 13-0767	EA	1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	141.50	15.59
		For Work In Restricted Working Space, Add	11.69	
		For Elevated Installation >10' To 15', Add	3.90	
		For Elevated Installation >15' To 20', Add	7.80	
		For Elevated Installation >20' To 25', Add	9.75	
		For Elevated Installation >25' To 30', Add	13.64	
		For Elevated Installation >30' To 35', Add	15.59	
		For Elevated Installation >35' To 40', Add	19.49	
		For Elevated Installation >40', Add	21.44	
26 05 33 13-0768	EA	3/4" Intermediate Metal Conduit (IMC) Expansion Fitting	156.62	17.54
		For Work In Restricted Working Space, Add	13.16	
		For Elevated Installation >10' To 15', Add	4.39	
		For Elevated Installation >15' To 20', Add	8.77	
		For Elevated Installation >20' To 25', Add	10.96	
		For Elevated Installation >25' To 30', Add	15.35	
		For Elevated Installation >30' To 35', Add	17.54	
		For Elevated Installation >35' To 40', Add	21.93	
		For Elevated Installation >40', Add	24.12	
26 05 33 13-0769	EA	1" Intermediate Metal Conduit (IMC) Expansion Fitting	174.05	19.49
		For Work In Restricted Working Space, Add	14.62	
		For Elevated Installation >10' To 15', Add	4.87	
		For Elevated Installation >15' To 20', Add	9.74	
		For Elevated Installation >20' To 25', Add	12.18	
		For Elevated Installation >25' To 30', Add	17.05	
		For Elevated Installation >30' To 35', Add	19.49	
		For Elevated Installation >35' To 40', Add	24.36	
		For Elevated Installation >40', Add	26.80	
26 05 33 13-0770	EA	1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting	209.93	21.43
		For Work In Restricted Working Space, Add	16.08	
		For Elevated Installation >10' To 15', Add	5.36	
		For Elevated Installation >15' To 20', Add	10.72	
		For Elevated Installation >20' To 25', Add	13.40	
		For Elevated Installation >25' To 30', Add	18.76	
		For Elevated Installation >30' To 35', Add	21.44	
		For Elevated Installation >35' To 40', Add	26.80	
		For Elevated Installation >40', Add	29.47	
26 05 33 13-0771	EA	1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	256.77	23.39
		For Work In Restricted Working Space, Add	17.54	
		For Elevated Installation >10' To 15', Add	5.85	
		For Elevated Installation >15' To 20', Add	11.69	
		For Elevated Installation >20' To 25', Add	14.62	
		For Elevated Installation >25' To 30', Add	20.46	
		For Elevated Installation >30' To 35', Add	23.38	
		For Elevated Installation >35' To 40', Add	29.23	
		For Elevated Installation >40', Add	32.15	
26 05 33 13-0772	EA	2" Intermediate Metal Conduit (IMC) Expansion Fitting	336.80	25.33
		For Work In Restricted Working Space, Add	19.00	
		For Elevated Installation >10' To 15', Add	6.33	
		For Elevated Installation >15' To 20', Add	12.67	
		For Elevated Installation >20' To 25', Add	15.83	
		For Elevated Installation >25' To 30', Add	22.17	
		For Elevated Installation >30' To 35', Add	25.33	
		For Elevated Installation >35' To 40', Add	31.67	
		For Elevated Installation >40', Add	34.83	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0773 EA 2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	507.50	31.18
For Work In Restricted Working Space, Add	23.39	
For Elevated Installation >10' To 15', Add	7.80	
For Elevated Installation >15' To 20', Add	15.59	
For Elevated Installation >20' To 25', Add	19.49	
For Elevated Installation >25' To 30', Add	27.28	
For Elevated Installation >30' To 35', Add	31.18	
For Elevated Installation >35' To 40', Add	38.98	
For Elevated Installation >40', Add	42.87	
26 05 33 13-0774 EA 3" Intermediate Metal Conduit (IMC) Expansion Fitting.....	610.35	38.97
For Work In Restricted Working Space, Add	29.23	
For Elevated Installation >10' To 15', Add	9.74	
For Elevated Installation >15' To 20', Add	19.49	
For Elevated Installation >20' To 25', Add	24.36	
For Elevated Installation >25' To 30', Add	34.10	
For Elevated Installation >30' To 35', Add	38.98	
For Elevated Installation >35' To 40', Add	48.72	
For Elevated Installation >40', Add	53.59	
26 05 33 13-0775 EA 3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	849.69	46.78
For Work In Restricted Working Space, Add	35.08	
For Elevated Installation >10' To 15', Add	11.69	
For Elevated Installation >15' To 20', Add	23.39	
For Elevated Installation >20' To 25', Add	29.24	
For Elevated Installation >25' To 30', Add	40.93	
For Elevated Installation >30' To 35', Add	46.78	
For Elevated Installation >35' To 40', Add	58.47	
For Elevated Installation >40', Add	64.32	
26 05 33 13-0776 EA 4" Intermediate Metal Conduit (IMC) Expansion Fitting.....	982.17	50.67
For Work In Restricted Working Space, Add	38.00	
For Elevated Installation >10' To 15', Add	12.67	
For Elevated Installation >15' To 20', Add	25.33	
For Elevated Installation >20' To 25', Add	31.67	
For Elevated Installation >25' To 30', Add	44.33	
For Elevated Installation >30' To 35', Add	50.66	
For Elevated Installation >35' To 40', Add	63.33	
For Elevated Installation >40', Add	69.66	
26 05 33 13-0777 Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal (26 05 33 13-0771)		
26 05 33 13-0778 EA 1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	88.17	24.36
For Work In Restricted Working Space, Add	14.62	
For Elevated Installation >10' To 15', Add	4.87	
For Elevated Installation >15' To 20', Add	9.74	
For Elevated Installation >20' To 25', Add	12.18	
For Elevated Installation >25' To 30', Add	17.05	
For Elevated Installation >30' To 35', Add	19.49	
For Elevated Installation >35' To 40', Add	24.36	
For Elevated Installation >40', Add	26.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.62	
26 05 33 13-0779 EA 3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	104.79	29.23
For Work In Restricted Working Space, Add	17.54	
For Elevated Installation >10' To 15', Add	5.85	
For Elevated Installation >15' To 20', Add	11.69	
For Elevated Installation >20' To 25', Add	14.62	
For Elevated Installation >25' To 30', Add	20.46	
For Elevated Installation >30' To 35', Add	23.38	
For Elevated Installation >35' To 40', Add	29.23	
For Elevated Installation >40', Add	32.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.54	
26 05 33 13-0780 EA 1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	127.75	34.11
For Work In Restricted Working Space, Add	20.46	
For Elevated Installation >10' To 15', Add	6.82	
For Elevated Installation >15' To 20', Add	13.64	
For Elevated Installation >20' To 25', Add	17.05	
For Elevated Installation >25' To 30', Add	23.87	
For Elevated Installation >30' To 35', Add	27.28	
For Elevated Installation >35' To 40', Add	34.11	
For Elevated Installation >40', Add	37.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.46	
26 05 33 13-0781 EA 1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	150.26	38.97
For Work In Restricted Working Space, Add	23.39	
For Elevated Installation >10' To 15', Add	7.80	
For Elevated Installation >15' To 20', Add	15.59	
For Elevated Installation >20' To 25', Add	19.49	
For Elevated Installation >25' To 30', Add	27.28	
For Elevated Installation >30' To 35', Add	31.18	
For Elevated Installation >35' To 40', Add	38.98	
For Elevated Installation >40', Add	42.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.39	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0782	EA	1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	196.55	43.85
		For Work In Restricted Working Space, Add	26.31	
		For Elevated Installation >10' To 15', Add	8.77	
		For Elevated Installation >15' To 20', Add	17.54	
		For Elevated Installation >20' To 25', Add	21.92	
		For Elevated Installation >25' To 30', Add	30.69	
		For Elevated Installation >30' To 35', Add	35.08	
		For Elevated Installation >35' To 40', Add	43.85	
		For Elevated Installation >40', Add	48.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.31	
26 05 33 13-0783	EA	2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	238.49	48.72
		For Work In Restricted Working Space, Add	29.23	
		For Elevated Installation >10' To 15', Add	9.74	
		For Elevated Installation >15' To 20', Add	19.49	
		For Elevated Installation >20' To 25', Add	24.36	
		For Elevated Installation >25' To 30', Add	34.10	
		For Elevated Installation >30' To 35', Add	38.98	
		For Elevated Installation >35' To 40', Add	48.72	
		For Elevated Installation >40', Add	53.59	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.23	
26 05 33 13-0784	EA	2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	336.07	58.46
		For Work In Restricted Working Space, Add	35.08	
		For Elevated Installation >10' To 15', Add	11.69	
		For Elevated Installation >15' To 20', Add	23.39	
		For Elevated Installation >20' To 25', Add	29.23	
		For Elevated Installation >25' To 30', Add	40.93	
		For Elevated Installation >30' To 35', Add	46.77	
		For Elevated Installation >35' To 40', Add	58.47	
		For Elevated Installation >40', Add	64.31	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.08	
26 05 33 13-0785	EA	3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	404.10	68.21
		For Work In Restricted Working Space, Add	40.92	
		For Elevated Installation >10' To 15', Add	13.64	
		For Elevated Installation >15' To 20', Add	27.28	
		For Elevated Installation >20' To 25', Add	34.10	
		For Elevated Installation >25' To 30', Add	47.74	
		For Elevated Installation >30' To 35', Add	54.56	
		For Elevated Installation >35' To 40', Add	68.21	
		For Elevated Installation >40', Add	75.03	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.92	
26 05 33 13-0786	EA	3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	927.94	77.95
		For Work In Restricted Working Space, Add	46.77	
		For Elevated Installation >10' To 15', Add	15.59	
		For Elevated Installation >15' To 20', Add	31.18	
		For Elevated Installation >20' To 25', Add	38.98	
		For Elevated Installation >25' To 30', Add	54.57	
		For Elevated Installation >30' To 35', Add	62.36	
		For Elevated Installation >35' To 40', Add	77.95	
		For Elevated Installation >40', Add	85.75	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.77	
26 05 33 13-0787	EA	4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	1,068.90	87.69
		For Work In Restricted Working Space, Add	52.62	
		For Elevated Installation >10' To 15', Add	17.54	
		For Elevated Installation >15' To 20', Add	35.08	
		For Elevated Installation >20' To 25', Add	43.85	
		For Elevated Installation >25' To 30', Add	61.39	
		For Elevated Installation >30' To 35', Add	70.16	
		For Elevated Installation >35' To 40', Add	87.70	
		For Elevated Installation >40', Add	96.46	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.62	
26 05 33 13-0788		Intermediate Metal Conduit (IMC) Threaded Couplings (26 05 33 13-0701)		
26 05 33 13-0789	EA	1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	13.03	4.67
		For Work In Restricted Working Space, Add	3.50	
		For Elevated Installation >10' To 15', Add	1.17	
		For Elevated Installation >15' To 20', Add	2.34	
		For Elevated Installation >20' To 25', Add	2.92	
		For Elevated Installation >25' To 30', Add	4.09	
		For Elevated Installation >30' To 35', Add	4.67	
		For Elevated Installation >35' To 40', Add	5.84	
		For Elevated Installation >40', Add	6.42	
26 05 33 13-0790	EA	3/4" Intermediate Metal Conduit (IMC) Threaded Coupling	18.20	6.63
		For Work In Restricted Working Space, Add	4.97	
		For Elevated Installation >10' To 15', Add	1.66	
		For Elevated Installation >15' To 20', Add	3.31	
		For Elevated Installation >20' To 25', Add	4.14	
		For Elevated Installation >25' To 30', Add	5.80	
		For Elevated Installation >30' To 35', Add	6.63	
		For Elevated Installation >35' To 40', Add	8.29	
		For Elevated Installation >40', Add	9.11	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0791	EA		1" Intermediate Metal Conduit (IMC) Threaded Coupling.....	23.85	8.57
			For Work In Restricted Working Space, Add	6.43	
			For Elevated Installation >10' To 15', Add	2.14	
			For Elevated Installation >15' To 20', Add	4.28	
			For Elevated Installation >20' To 25', Add	5.36	
			For Elevated Installation >25' To 30', Add	7.50	
			For Elevated Installation >30' To 35', Add	8.57	
			For Elevated Installation >35' To 40', Add	10.71	
			For Elevated Installation >40', Add	11.78	
26 05 33 13-0792	EA		1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling	27.40	9.75
			For Work In Restricted Working Space, Add	7.31	
			For Elevated Installation >10' To 15', Add	2.44	
			For Elevated Installation >15' To 20', Add	4.87	
			For Elevated Installation >20' To 25', Add	6.09	
			For Elevated Installation >25' To 30', Add	8.53	
			For Elevated Installation >30' To 35', Add	9.74	
			For Elevated Installation >35' To 40', Add	12.18	
			For Elevated Installation >40', Add	13.40	
26 05 33 13-0793	EA		1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	33.05	11.69
			For Work In Restricted Working Space, Add	8.76	
			For Elevated Installation >10' To 15', Add	2.92	
			For Elevated Installation >15' To 20', Add	5.84	
			For Elevated Installation >20' To 25', Add	7.30	
			For Elevated Installation >25' To 30', Add	10.22	
			For Elevated Installation >30' To 35', Add	11.68	
			For Elevated Installation >35' To 40', Add	14.61	
			For Elevated Installation >40', Add	16.07	
26 05 33 13-0794	EA		2" Intermediate Metal Conduit (IMC) Threaded Coupling.....	38.21	13.25
			For Work In Restricted Working Space, Add	9.95	
			For Elevated Installation >10' To 15', Add	3.32	
			For Elevated Installation >15' To 20', Add	6.63	
			For Elevated Installation >20' To 25', Add	8.29	
			For Elevated Installation >25' To 30', Add	11.60	
			For Elevated Installation >30' To 35', Add	13.26	
			For Elevated Installation >35' To 40', Add	16.58	
			For Elevated Installation >40', Add	18.23	
26 05 33 13-0795	EA		2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	48.23	14.81
			For Work In Restricted Working Space, Add	11.11	
			For Elevated Installation >10' To 15', Add	3.70	
			For Elevated Installation >15' To 20', Add	7.40	
			For Elevated Installation >20' To 25', Add	9.26	
			For Elevated Installation >25' To 30', Add	12.96	
			For Elevated Installation >30' To 35', Add	14.81	
			For Elevated Installation >35' To 40', Add	18.51	
			For Elevated Installation >40', Add	20.36	
26 05 33 13-0796	EA		3" Intermediate Metal Conduit (IMC) Threaded Coupling.....	57.21	16.76
			For Work In Restricted Working Space, Add	12.57	
			For Elevated Installation >10' To 15', Add	4.19	
			For Elevated Installation >15' To 20', Add	8.38	
			For Elevated Installation >20' To 25', Add	10.48	
			For Elevated Installation >25' To 30', Add	14.67	
			For Elevated Installation >30' To 35', Add	16.76	
			For Elevated Installation >35' To 40', Add	20.95	
			For Elevated Installation >40', Add	23.05	
26 05 33 13-0797	EA		3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	66.28	18.32
			For Work In Restricted Working Space, Add	13.74	
			For Elevated Installation >10' To 15', Add	4.58	
			For Elevated Installation >15' To 20', Add	9.16	
			For Elevated Installation >20' To 25', Add	11.45	
			For Elevated Installation >25' To 30', Add	16.03	
			For Elevated Installation >30' To 35', Add	18.32	
			For Elevated Installation >35' To 40', Add	22.91	
			For Elevated Installation >40', Add	25.20	
26 05 33 13-0798	EA		4" Intermediate Metal Conduit (IMC) Threaded Coupling.....	69.33	19.49
			For Work In Restricted Working Space, Add	14.61	
			For Elevated Installation >10' To 15', Add	4.87	
			For Elevated Installation >15' To 20', Add	9.74	
			For Elevated Installation >20' To 25', Add	12.18	
			For Elevated Installation >25' To 30', Add	17.05	
			For Elevated Installation >30' To 35', Add	19.48	
			For Elevated Installation >35' To 40', Add	24.35	
			For Elevated Installation >40', Add	26.79	
26 05 33 13-0799			Intermediate Metal Conduit (IMC) Reducer Bushings (26 05 33 13-0701)		
26 05 33 13-0800	EA		1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing.....	6.38	1.95
			For Work In Restricted Working Space, Add	1.46	
			For Elevated Installation >10' To 15', Add	0.49	
			For Elevated Installation >15' To 20', Add	0.97	
			For Elevated Installation >20' To 25', Add	1.22	
			For Elevated Installation >25' To 30', Add	1.70	
			For Elevated Installation >30' To 35', Add	1.95	
			For Elevated Installation >35' To 40', Add	2.44	
			For Elevated Installation >40', Add	2.68	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0801	EA	3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	7.24 1.46 0.49 0.97 1.22 1.70 1.95 2.44 2.68	1.95
26 05 33 13-0802		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit (26 05 33 13-0058) <i>Note: 40 mil polyvinyl chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney). Used in hazardous locations. Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.</i>		
26 05 33 13-0803		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit (26 05 33 13-0802) <i>Note: Includes field bending for conduit up to 1".</i>		
26 05 33 13-0804	LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i>	12.43 -0.45 -0.76 -1.07 0.68 1.36 1.71 2.39 2.73 3.41 3.75 2.05	2.73
26 05 33 13-0805	LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i>	14.29 -0.52 -0.88 -1.23 0.78 1.56 1.95 2.73 3.12 3.90 4.28 2.34	3.12
26 05 33 13-0806	LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i>	18.16 -0.66 -1.12 -1.57 0.98 1.95 2.44 3.41 3.90 4.88 5.36 2.93	3.90
26 05 33 13-0807	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i>	22.36 -0.83 -1.38 -1.94 1.17 2.34 2.92 4.09 4.68 5.65 6.43 3.51	4.67
26 05 33 13-0808	LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i>	27.58 -1.01 -1.70 -2.39 1.46 2.92 3.65 5.11 5.84 7.31 8.04 4.38	5.85

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0809	LF	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	34.44	7.02
		For >250 To 500, Deduct	-1.28	
		For >500 To 1,000, Deduct	-2.14	
		For >1,000, Deduct	-3.01	
		For Elevated Installation >10' To 15', Add	1.75	
		For Elevated Installation >15' To 20', Add	3.51	
		For Elevated Installation >20' To 25', Add	4.39	
		For Elevated Installation >25' To 30', Add	6.14	
		For Elevated Installation >30' To 35', Add	7.02	
		For Elevated Installation >35' To 40', Add	8.77	
		For Elevated Installation >40', Add	9.65	
		For Work In Restricted Working Space, Add	5.26	
26 05 33 13-0810	LF	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	46.08	8.18
		For >250 To 500, Deduct	-1.79	
		For >500 To 1,000, Deduct	-2.94	
		For >1,000, Deduct	-4.10	
		For Elevated Installation >10' To 15', Add	2.05	
		For Elevated Installation >15' To 20', Add	4.09	
		For Elevated Installation >20' To 25', Add	5.12	
		For Elevated Installation >25' To 30', Add	7.16	
		For Elevated Installation >30' To 35', Add	8.18	
		For Elevated Installation >35' To 40', Add	10.23	
		For Elevated Installation >40', Add	11.25	
		For Work In Restricted Working Space, Add	6.14	
26 05 33 13-0811	LF	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	57.64	10.13
		For >250 To 500, Deduct	-2.25	
		For >500 To 1,000, Deduct	-3.69	
		For >1,000, Deduct	-5.13	
		For Elevated Installation >10' To 15', Add	2.53	
		For Elevated Installation >15' To 20', Add	5.07	
		For Elevated Installation >20' To 25', Add	6.33	
		For Elevated Installation >25' To 30', Add	8.87	
		For Elevated Installation >30' To 35', Add	10.13	
		For Elevated Installation >35' To 40', Add	12.67	
		For Elevated Installation >40', Add	13.93	
		For Work In Restricted Working Space, Add	7.60	
26 05 33 13-0812	LF	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	70.71	12.48
		For >250 To 500, Deduct	-2.76	
		For >500 To 1,000, Deduct	-4.52	
		For >1,000, Deduct	-6.29	
		For Elevated Installation >10' To 15', Add	3.12	
		For Elevated Installation >15' To 20', Add	6.24	
		For Elevated Installation >20' To 25', Add	7.80	
		For Elevated Installation >25' To 30', Add	10.91	
		For Elevated Installation >30' To 35', Add	12.47	
		For Elevated Installation >35' To 40', Add	15.59	
		For Elevated Installation >40', Add	17.15	
		For Work In Restricted Working Space, Add	9.35	
26 05 33 13-0813	LF	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	83.63	14.81
		For >250 To 500, Deduct	-3.26	
		For >500 To 1,000, Deduct	-5.35	
		For >1,000, Deduct	-7.44	
		For Elevated Installation >10' To 15', Add	3.70	
		For Elevated Installation >15' To 20', Add	7.41	
		For Elevated Installation >20' To 25', Add	9.26	
		For Elevated Installation >25' To 30', Add	12.96	
		For Elevated Installation >30' To 35', Add	14.81	
		For Elevated Installation >35' To 40', Add	18.52	
		For Elevated Installation >40', Add	20.37	
		For Work In Restricted Working Space, Add	11.11	
26 05 33 13-0814	LF	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	126.43	17.54
		For >250 To 500, Deduct	-5.23	
		For >500 To 1,000, Deduct	-8.39	
		For >1,000, Deduct	-11.55	
		For Elevated Installation >10' To 15', Add	4.39	
		For Elevated Installation >15' To 20', Add	8.77	
		For Elevated Installation >20' To 25', Add	10.96	
		For Elevated Installation >25' To 30', Add	15.35	
		For Elevated Installation >30' To 35', Add	17.54	
		For Elevated Installation >35' To 40', Add	21.93	
		For Elevated Installation >40', Add	24.12	
		For Work In Restricted Working Space, Add	13.16	
26 05 33 13-0815	LF	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	171.62	23.39
		For >250 To 500, Deduct	-7.12	
		For >500 To 1,000, Deduct	-11.41	
		For >1,000, Deduct	-15.70	
		For Elevated Installation >10' To 15', Add	5.85	
		For Elevated Installation >15' To 20', Add	11.69	
		For Elevated Installation >20' To 25', Add	14.62	
		For Elevated Installation >25' To 30', Add	20.46	
		For Elevated Installation >30' To 35', Add	23.38	
		For Elevated Installation >35' To 40', Add	29.23	
		For Elevated Installation >40', Add	32.15	
		For Work In Restricted Working Space, Add	17.54	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0816		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings (26 05 33 13-0802)		
26 05 33	13-0817	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	17.61	5.85
			For Elevated Installation >10' To 15', Add	1.17	
			For Elevated Installation >15' To 20', Add	2.34	
			For Elevated Installation >20' To 25', Add	2.92	
			For Elevated Installation >25' To 30', Add	4.09	
			For Elevated Installation >30' To 35', Add	4.68	
			For Elevated Installation >35' To 40', Add	5.85	
			For Elevated Installation >40', Add	6.43	
			For Work In Restricted Working Space, Add	3.51	
26 05 33	13-0818	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	22.78	8.28
			For Elevated Installation >10' To 15', Add	1.66	
			For Elevated Installation >15' To 20', Add	3.31	
			For Elevated Installation >20' To 25', Add	4.14	
			For Elevated Installation >25' To 30', Add	5.80	
			For Elevated Installation >30' To 35', Add	6.63	
			For Elevated Installation >35' To 40', Add	8.29	
			For Elevated Installation >40', Add	9.11	
			For Work In Restricted Working Space, Add	4.97	
26 05 33	13-0819	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	29.48	10.72
			For Elevated Installation >10' To 15', Add	2.14	
			For Elevated Installation >15' To 20', Add	4.29	
			For Elevated Installation >20' To 25', Add	5.36	
			For Elevated Installation >25' To 30', Add	7.50	
			For Elevated Installation >30' To 35', Add	8.57	
			For Elevated Installation >35' To 40', Add	10.72	
			For Elevated Installation >40', Add	11.79	
			For Work In Restricted Working Space, Add	6.43	
26 05 33	13-0820	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	33.76	12.18
			For Elevated Installation >10' To 15', Add	2.44	
			For Elevated Installation >15' To 20', Add	4.67	
			For Elevated Installation >20' To 25', Add	6.09	
			For Elevated Installation >25' To 30', Add	8.53	
			For Elevated Installation >30' To 35', Add	9.74	
			For Elevated Installation >35' To 40', Add	12.18	
			For Elevated Installation >40', Add	13.40	
			For Work In Restricted Working Space, Add	7.31	
26 05 33	13-0821	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	40.40	14.61
			For Elevated Installation >10' To 15', Add	2.92	
			For Elevated Installation >15' To 20', Add	5.85	
			For Elevated Installation >20' To 25', Add	7.31	
			For Elevated Installation >25' To 30', Add	10.23	
			For Elevated Installation >30' To 35', Add	11.69	
			For Elevated Installation >35' To 40', Add	14.62	
			For Elevated Installation >40', Add	16.08	
			For Work In Restricted Working Space, Add	8.77	
26 05 33	13-0822	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	49.48	16.57
			For Elevated Installation >10' To 15', Add	3.31	
			For Elevated Installation >15' To 20', Add	6.63	
			For Elevated Installation >20' To 25', Add	8.28	
			For Elevated Installation >25' To 30', Add	11.60	
			For Elevated Installation >30' To 35', Add	13.25	
			For Elevated Installation >35' To 40', Add	16.57	
			For Elevated Installation >40', Add	18.22	
			For Work In Restricted Working Space, Add	9.94	
26 05 33	13-0823	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	77.49	16.57
			For Elevated Installation >10' To 15', Add	3.70	
			For Elevated Installation >15' To 20', Add	7.41	
			For Elevated Installation >20' To 25', Add	9.26	
			For Elevated Installation >25' To 30', Add	12.96	
			For Elevated Installation >30' To 35', Add	14.81	
			For Elevated Installation >35' To 40', Add	18.52	
			For Elevated Installation >40', Add	20.37	
			For Work In Restricted Working Space, Add	11.11	
26 05 33	13-0824	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	91.04	22.90
			For Elevated Installation >10' To 15', Add	4.19	
			For Elevated Installation >15' To 20', Add	8.38	
			For Elevated Installation >20' To 25', Add	10.48	
			For Elevated Installation >25' To 30', Add	14.67	
			For Elevated Installation >30' To 35', Add	16.76	
			For Elevated Installation >35' To 40', Add	20.95	
			For Elevated Installation >40', Add	23.05	
			For Work In Restricted Working Space, Add	12.57	
26 05 33	13-0825	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	108.83	22.90
			For Elevated Installation >10' To 15', Add	4.58	
			For Elevated Installation >15' To 20', Add	9.16	
			For Elevated Installation >20' To 25', Add	11.45	
			For Elevated Installation >25' To 30', Add	16.03	
			For Elevated Installation >30' To 35', Add	18.32	
			For Elevated Installation >35' To 40', Add	22.90	
			For Elevated Installation >40', Add	25.18	
			For Work In Restricted Working Space, Add	13.74	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0826 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	122.43	24.36
For Elevated Installation >10' To 15', Add	4.87	
For Elevated Installation >15' To 20', Add	9.74	
For Elevated Installation >20' To 25', Add	12.18	
For Elevated Installation >25' To 30', Add	17.05	
For Elevated Installation >30' To 35', Add	19.49	
For Elevated Installation >35' To 40', Add	24.36	
For Elevated Installation >40', Add	26.80	
For Work In Restricted Working Space, Add	14.62	
26 05 33 13-0827 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	298.64	29.23
For Elevated Installation >10' To 15', Add	5.85	
For Elevated Installation >15' To 20', Add	11.69	
For Elevated Installation >20' To 25', Add	14.62	
For Elevated Installation >25' To 30', Add	20.46	
For Elevated Installation >30' To 35', Add	23.38	
For Elevated Installation >35' To 40', Add	29.23	
For Elevated Installation >40', Add	32.15	
For Work In Restricted Working Space, Add	17.54	
26 05 33 13-0828 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	336.51	34.11
For Elevated Installation >10' To 15', Add	6.82	
For Elevated Installation >15' To 20', Add	13.64	
For Elevated Installation >20' To 25', Add	17.05	
For Elevated Installation >25' To 30', Add	23.87	
For Elevated Installation >30' To 35', Add	27.28	
For Elevated Installation >35' To 40', Add	34.11	
For Elevated Installation >40', Add	37.52	
For Work In Restricted Working Space, Add	20.46	
26 05 33 13-0829 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel		
(RGS) Standard Radius Elbows (26 05 33 13-0802)		
Note: 90, 45, or 30 degree.		
26 05 33 13-0830 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	52.43	15.84
For Elevated Installation >10' To 15', Add	3.17	
For Elevated Installation >15' To 20', Add	6.33	
For Elevated Installation >20' To 25', Add	7.92	
For Elevated Installation >25' To 30', Add	11.08	
For Elevated Installation >30' To 35', Add	12.67	
For Elevated Installation >35' To 40', Add	15.84	
For Elevated Installation >40', Add	17.42	
For Work In Restricted Working Space, Add	9.50	
26 05 33 13-0831 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	60.81	19.64
For Elevated Installation >10' To 15', Add	3.93	
For Elevated Installation >15' To 20', Add	7.85	
For Elevated Installation >20' To 25', Add	9.82	
For Elevated Installation >25' To 30', Add	13.74	
For Elevated Installation >30' To 35', Add	15.70	
For Elevated Installation >35' To 40', Add	19.63	
For Elevated Installation >40', Add	21.59	
For Work In Restricted Working Space, Add	11.78	
26 05 33 13-0832 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	72.85	24.07
For Elevated Installation >10' To 15', Add	4.81	
For Elevated Installation >15' To 20', Add	9.63	
For Elevated Installation >20' To 25', Add	12.04	
For Elevated Installation >25' To 30', Add	16.85	
For Elevated Installation >30' To 35', Add	19.26	
For Elevated Installation >35' To 40', Add	24.07	
For Elevated Installation >40', Add	26.48	
For Work In Restricted Working Space, Add	14.44	
26 05 33 13-0833 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	86.10	27.87
For Elevated Installation >10' To 15', Add	5.57	
For Elevated Installation >15' To 20', Add	11.15	
For Elevated Installation >20' To 25', Add	13.93	
For Elevated Installation >25' To 30', Add	19.51	
For Elevated Installation >30' To 35', Add	22.29	
For Elevated Installation >35' To 40', Add	27.87	
For Elevated Installation >40', Add	30.65	
For Work In Restricted Working Space, Add	16.72	
26 05 33 13-0834 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	100.65	31.67
For Elevated Installation >10' To 15', Add	6.33	
For Elevated Installation >15' To 20', Add	12.67	
For Elevated Installation >20' To 25', Add	15.83	
For Elevated Installation >25' To 30', Add	22.17	
For Elevated Installation >30' To 35', Add	25.33	
For Elevated Installation >35' To 40', Add	31.67	
For Elevated Installation >40', Add	34.83	
For Work In Restricted Working Space, Add	19.00	
26 05 33 13-0835 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	121.76	34.83
For Elevated Installation >10' To 15', Add	6.97	
For Elevated Installation >15' To 20', Add	13.93	
For Elevated Installation >20' To 25', Add	17.42	
For Elevated Installation >25' To 30', Add	24.38	
For Elevated Installation >30' To 35', Add	27.87	
For Elevated Installation >35' To 40', Add	34.84	
For Elevated Installation >40', Add	38.32	
For Work In Restricted Working Space, Add	20.90	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0836	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	185.53	43.71
		For Elevated Installation >10' To 15', Add	8.74	
		For Elevated Installation >15' To 20', Add	17.48	
		For Elevated Installation >20' To 25', Add	21.85	
		For Elevated Installation >25' To 30', Add	30.59	
		For Elevated Installation >30' To 35', Add	34.96	
		For Elevated Installation >35' To 40', Add	43.70	
		For Elevated Installation >40', Add	48.07	
		For Work In Restricted Working Space, Add	26.22	
26 05 33 13-0837	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	275.88	59.53
		For Elevated Installation >10' To 15', Add	11.91	
		For Elevated Installation >15' To 20', Add	23.81	
		For Elevated Installation >20' To 25', Add	29.77	
		For Elevated Installation >25' To 30', Add	41.67	
		For Elevated Installation >30' To 35', Add	47.63	
		For Elevated Installation >35' To 40', Add	59.54	
		For Elevated Installation >40', Add	65.49	
		For Work In Restricted Working Space, Add	35.72	
26 05 33 13-0838	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	340.03	67.13
		For Elevated Installation >10' To 15', Add	13.43	
		For Elevated Installation >15' To 20', Add	26.85	
		For Elevated Installation >20' To 25', Add	33.57	
		For Elevated Installation >25' To 30', Add	46.99	
		For Elevated Installation >30' To 35', Add	53.71	
		For Elevated Installation >35' To 40', Add	67.14	
		For Elevated Installation >40', Add	73.85	
		For Work In Restricted Working Space, Add	40.28	
26 05 33 13-0839	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	392.31	87.40
		For Elevated Installation >10' To 15', Add	17.48	
		For Elevated Installation >15' To 20', Add	34.96	
		For Elevated Installation >20' To 25', Add	43.70	
		For Elevated Installation >25' To 30', Add	61.18	
		For Elevated Installation >30' To 35', Add	69.92	
		For Elevated Installation >35' To 40', Add	87.40	
		For Elevated Installation >40', Add	96.14	
		For Work In Restricted Working Space, Add	52.44	
26 05 33 13-0840	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	809.17	142.50
		For Elevated Installation >10' To 15', Add	28.50	
		For Elevated Installation >15' To 20', Add	57.00	
		For Elevated Installation >20' To 25', Add	71.25	
		For Elevated Installation >25' To 30', Add	99.75	
		For Elevated Installation >30' To 35', Add	114.00	
		For Elevated Installation >35' To 40', Add	142.51	
		For Elevated Installation >40', Add	156.76	
		For Work In Restricted Working Space, Add	85.50	
26 05 33 13-0841	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	1,270.68	214.07
		For Elevated Installation >10' To 15', Add	42.82	
		For Elevated Installation >15' To 20', Add	85.63	
		For Elevated Installation >20' To 25', Add	107.04	
		For Elevated Installation >25' To 30', Add	149.85	
		For Elevated Installation >30' To 35', Add	171.26	
		For Elevated Installation >35' To 40', Add	214.08	
		For Elevated Installation >40', Add	235.48	
		For Work In Restricted Working Space, Add	128.45	
26 05 33 13-0842		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows (26 05 33 13-0802)		
26 05 33 13-0843	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	121.78	24.07
		For Elevated Installation >10' To 15', Add	4.81	
		For Elevated Installation >15' To 20', Add	9.63	
		For Elevated Installation >20' To 25', Add	12.04	
		For Elevated Installation >25' To 30', Add	16.85	
		For Elevated Installation >30' To 35', Add	19.26	
		For Elevated Installation >35' To 40', Add	24.07	
		For Elevated Installation >40', Add	26.48	
		For Work In Restricted Working Space, Add	14.44	
26 05 33 13-0844	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	137.18	27.87
		For Elevated Installation >10' To 15', Add	5.57	
		For Elevated Installation >15' To 20', Add	11.15	
		For Elevated Installation >20' To 25', Add	13.93	
		For Elevated Installation >25' To 30', Add	19.51	
		For Elevated Installation >30' To 35', Add	22.29	
		For Elevated Installation >35' To 40', Add	27.87	
		For Elevated Installation >40', Add	30.65	
		For Work In Restricted Working Space, Add	16.72	
26 05 33 13-0845	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	156.57	31.67
		For Elevated Installation >10' To 15', Add	6.33	
		For Elevated Installation >15' To 20', Add	12.67	
		For Elevated Installation >20' To 25', Add	15.83	
		For Elevated Installation >25' To 30', Add	22.17	
		For Elevated Installation >30' To 35', Add	25.33	
		For Elevated Installation >35' To 40', Add	31.67	
		For Elevated Installation >40', Add	34.83	
		For Work In Restricted Working Space, Add	19.00	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0846	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	186.29 6.97 13.93 17.42 24.38 27.87 34.84 38.32 20.90	34.83
26 05 33 13-0847	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	258.57 8.74 17.48 21.85 30.59 34.96 43.70 48.07 26.22	43.71
26 05 33 13-0848		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows (26 05 33 13-0802)		
26 05 33 13-0849	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	135.01 4.81 9.63 12.04 16.85 19.26 24.07 26.48 14.44	24.07
26 05 33 13-0850	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	159.04 5.57 11.15 13.93 19.51 22.29 27.87 30.65 16.72	27.87
26 05 33 13-0851	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	172.25 6.33 12.67 15.83 22.17 25.33 31.67 34.83 19.00	31.67
26 05 33 13-0852	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	220.47 6.97 13.93 17.42 24.38 27.87 34.84 38.32 20.90	34.83
26 05 33 13-0853	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	291.53 8.74 17.48 21.85 30.59 34.96 43.70 48.07 26.22	43.71
26 05 33 13-0854	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	373.63 11.91 23.81 29.77 41.67 47.63 59.54 65.49 35.72	59.53
26 05 33 13-0855		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows (26 05 33 13-0802)		



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0856	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	150.83 4.81 9.63 12.04 16.85 19.26 24.07 26.48 14.44	24.07
26 05 33 13-0857	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	170.43 5.57 11.15 13.93 19.51 22.29 27.87 30.65 16.72	27.87
26 05 33 13-0858	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	192.36 6.33 12.67 15.83 22.17 25.33 31.67 34.83 19.00	31.67
26 05 33 13-0859	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	231.81 6.97 13.93 17.42 24.38 27.87 34.84 38.32 20.90	34.83
26 05 33 13-0860	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	329.40 8.74 17.48 21.85 30.59 34.96 43.70 48.07 26.22	43.71
26 05 33 13-0861	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	418.10 11.91 23.81 29.77 41.67 47.63 59.54 65.49 35.72	59.53
26 05 33 13-0862	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	526.26 13.43 26.85 33.57 46.99 53.71 67.14 73.85 40.28	67.13
26 05 33 13-0863	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	595.19 17.48 34.96 43.70 61.18 69.92 87.40 96.14 52.44	87.40
26 05 33 13-0864		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows (26 05 33 13-0802)		
26 05 33 13-0865	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	178.15 4.81 9.63 12.04 16.85 19.26 24.07 26.48 14.44	24.07

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0866 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....197.15		27.87
For Elevated Installation >10' To 15', Add	5.57	
For Elevated Installation >15' To 20', Add	11.15	
For Elevated Installation >20' To 25', Add	13.93	
For Elevated Installation >25' To 30', Add	19.51	
For Elevated Installation >30' To 35', Add	22.29	
For Elevated Installation >35' To 40', Add	27.87	
For Elevated Installation >40', Add	30.65	
For Work In Restricted Working Space, Add	16.72	
26 05 33 13-0867 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....222.71		31.67
For Elevated Installation >10' To 15', Add	6.33	
For Elevated Installation >15' To 20', Add	12.67	
For Elevated Installation >20' To 25', Add	15.83	
For Elevated Installation >25' To 30', Add	22.17	
For Elevated Installation >30' To 35', Add	25.33	
For Elevated Installation >35' To 40', Add	31.67	
For Elevated Installation >40', Add	34.83	
For Work In Restricted Working Space, Add	19.00	
26 05 33 13-0868 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....275.50		34.83
For Elevated Installation >10' To 15', Add	6.97	
For Elevated Installation >15' To 20', Add	13.93	
For Elevated Installation >20' To 25', Add	17.42	
For Elevated Installation >25' To 30', Add	24.38	
For Elevated Installation >30' To 35', Add	27.87	
For Elevated Installation >35' To 40', Add	34.84	
For Elevated Installation >40', Add	38.32	
For Work In Restricted Working Space, Add	20.90	
26 05 33 13-0869 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....397.19		43.71
For Elevated Installation >10' To 15', Add	8.74	
For Elevated Installation >15' To 20', Add	17.48	
For Elevated Installation >20' To 25', Add	21.85	
For Elevated Installation >25' To 30', Add	30.59	
For Elevated Installation >30' To 35', Add	34.96	
For Elevated Installation >35' To 40', Add	43.70	
For Elevated Installation >40', Add	48.07	
For Work In Restricted Working Space, Add	26.22	
26 05 33 13-0870 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....493.44		59.53
For Elevated Installation >10' To 15', Add	11.91	
For Elevated Installation >15' To 20', Add	23.81	
For Elevated Installation >20' To 25', Add	29.77	
For Elevated Installation >25' To 30', Add	41.67	
For Elevated Installation >30' To 35', Add	47.63	
For Elevated Installation >35' To 40', Add	59.54	
For Elevated Installation >40', Add	65.49	
For Work In Restricted Working Space, Add	35.72	
26 05 33 13-0871 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....572.26		67.13
For Elevated Installation >10' To 15', Add	13.43	
For Elevated Installation >15' To 20', Add	26.85	
For Elevated Installation >20' To 25', Add	33.57	
For Elevated Installation >25' To 30', Add	46.99	
For Elevated Installation >30' To 35', Add	53.71	
For Elevated Installation >35' To 40', Add	67.14	
For Elevated Installation >40', Add	73.85	
For Work In Restricted Working Space, Add	40.28	
26 05 33 13-0872 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....679.64		87.40
For Elevated Installation >10' To 15', Add	17.48	
For Elevated Installation >15' To 20', Add	34.96	
For Elevated Installation >20' To 25', Add	43.70	
For Elevated Installation >25' To 30', Add	61.18	
For Elevated Installation >30' To 35', Add	69.92	
For Elevated Installation >35' To 40', Add	87.40	
For Elevated Installation >40', Add	96.14	
For Work In Restricted Working Space, Add	52.44	
26 05 33 13-0873 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows (26 05 33 13-0802)		
26 05 33 13-0874 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....199.42		24.07
For Elevated Installation >10' To 15', Add	4.81	
For Elevated Installation >15' To 20', Add	9.63	
For Elevated Installation >20' To 25', Add	12.04	
For Elevated Installation >25' To 30', Add	16.85	
For Elevated Installation >30' To 35', Add	19.26	
For Elevated Installation >35' To 40', Add	24.07	
For Elevated Installation >40', Add	26.48	
For Work In Restricted Working Space, Add	14.44	
26 05 33 13-0875 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....222.04		27.87
For Elevated Installation >10' To 15', Add	5.57	
For Elevated Installation >15' To 20', Add	11.15	
For Elevated Installation >20' To 25', Add	13.93	
For Elevated Installation >25' To 30', Add	19.51	
For Elevated Installation >30' To 35', Add	22.29	
For Elevated Installation >35' To 40', Add	27.87	
For Elevated Installation >40', Add	30.65	
For Work In Restricted Working Space, Add	16.72	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0876	EA	1-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	252.58 6.33 12.67 15.83 22.17 25.33 31.67 34.83 19.00	31.67
26 05 33 13-0877	EA	2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	313.54 6.97 13.93 17.42 24.38 27.87 34.84 38.32 20.90	34.83
26 05 33 13-0878	EA	2-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	434.18 8.74 17.48 21.85 30.59 34.96 43.70 48.07 26.22	43.71
26 05 33 13-0879	EA	3"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	553.70 11.91 23.81 29.77 41.67 47.63 59.54 65.49 35.72	59.53
26 05 33 13-0880	EA	3-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	684.10 13.43 26.85 33.57 46.99 53.71 67.14 73.85 40.28	67.13
26 05 33 13-0881	EA	4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	757.16 17.48 34.96 43.70 61.18 69.92 87.40 96.14 52.44	87.40
26 05 33 13-0882	EA	5"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	1,261.73 28.50 57.00 71.25 99.75 114.00 142.51 156.76 85.50	142.50
26 05 33 13-0883			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows (26 05 33 13-0802)		
26 05 33 13-0884	EA	1"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	227.22 4.81 9.63 12.04 16.85 19.26 24.07 26.48 14.44	24.07
26 05 33 13-0885	EA	1-1/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	252.09 5.57 11.15 13.93 19.51 22.29 27.87 30.65 16.72	27.87

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0886 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....285.32		31.67
For Elevated Installation >10' To 15', Add	6.33	
For Elevated Installation >15' To 20', Add	12.67	
For Elevated Installation >20' To 25', Add	15.83	
For Elevated Installation >25' To 30', Add	22.17	
For Elevated Installation >30' To 35', Add	25.33	
For Elevated Installation >35' To 40', Add	31.67	
For Elevated Installation >40', Add	34.83	
For Work In Restricted Working Space, Add	19.00	
26 05 33 13-0887 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....355.73		34.83
For Elevated Installation >10' To 15', Add	6.97	
For Elevated Installation >15' To 20', Add	13.93	
For Elevated Installation >20' To 25', Add	17.42	
For Elevated Installation >25' To 30', Add	24.38	
For Elevated Installation >30' To 35', Add	27.87	
For Elevated Installation >35' To 40', Add	34.84	
For Elevated Installation >40', Add	38.32	
For Work In Restricted Working Space, Add	20.90	
26 05 33 13-0888 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....495.81		43.71
For Elevated Installation >10' To 15', Add	8.74	
For Elevated Installation >15' To 20', Add	17.48	
For Elevated Installation >20' To 25', Add	21.85	
For Elevated Installation >25' To 30', Add	30.59	
For Elevated Installation >30' To 35', Add	34.96	
For Elevated Installation >35' To 40', Add	43.70	
For Elevated Installation >40', Add	48.07	
For Work In Restricted Working Space, Add	26.22	
26 05 33 13-0889 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....630.48		59.53
For Elevated Installation >10' To 15', Add	11.91	
For Elevated Installation >15' To 20', Add	23.81	
For Elevated Installation >20' To 25', Add	29.77	
For Elevated Installation >25' To 30', Add	41.67	
For Elevated Installation >30' To 35', Add	47.63	
For Elevated Installation >35' To 40', Add	59.54	
For Elevated Installation >40', Add	65.49	
For Work In Restricted Working Space, Add	35.72	
26 05 33 13-0890 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....740.14		67.13
For Elevated Installation >10' To 15', Add	13.43	
For Elevated Installation >15' To 20', Add	26.85	
For Elevated Installation >20' To 25', Add	33.57	
For Elevated Installation >25' To 30', Add	46.99	
For Elevated Installation >30' To 35', Add	53.71	
For Elevated Installation >35' To 40', Add	67.14	
For Elevated Installation >40', Add	73.85	
For Work In Restricted Working Space, Add	40.28	
26 05 33 13-0891 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....857.24		87.40
For Elevated Installation >10' To 15', Add	17.48	
For Elevated Installation >15' To 20', Add	34.96	
For Elevated Installation >20' To 25', Add	43.70	
For Elevated Installation >25' To 30', Add	61.18	
For Elevated Installation >30' To 35', Add	69.92	
For Elevated Installation >35' To 40', Add	87.40	
For Elevated Installation >40', Add	96.14	
For Work In Restricted Working Space, Add	52.44	
26 05 33 13-0892 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....1,331.87		142.50
For Elevated Installation >10' To 15', Add	28.50	
For Elevated Installation >15' To 20', Add	57.00	
For Elevated Installation >20' To 25', Add	71.25	
For Elevated Installation >25' To 30', Add	99.75	
For Elevated Installation >30' To 35', Add	114.00	
For Elevated Installation >35' To 40', Add	142.51	
For Elevated Installation >40', Add	156.76	
For Work In Restricted Working Space, Add	85.50	
26 05 33 13-0893 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....1,824.88		214.07
For Elevated Installation >10' To 15', Add	42.82	
For Elevated Installation >15' To 20', Add	85.63	
For Elevated Installation >20' To 25', Add	107.04	
For Elevated Installation >25' To 30', Add	149.85	
For Elevated Installation >30' To 35', Add	171.26	
For Elevated Installation >35' To 40', Add	214.08	
For Elevated Installation >40', Add	235.48	
For Work In Restricted Working Space, Add	128.45	
26 05 33 13-0894 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows		
(26 05 33 13-0802)		
26 05 33 13-0895 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....265.93		24.07
For Elevated Installation >10' To 15', Add	4.81	
For Elevated Installation >15' To 20', Add	9.63	
For Elevated Installation >20' To 25', Add	12.04	
For Elevated Installation >25' To 30', Add	16.85	
For Elevated Installation >30' To 35', Add	19.26	
For Elevated Installation >35' To 40', Add	24.07	
For Elevated Installation >40', Add	26.48	
For Work In Restricted Working Space, Add	14.44	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0896	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	278.89 5.57 11.15 13.93 19.51 22.29 27.87 30.65 16.72	27.87
26 05 33 13-0897	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	329.14 6.33 12.67 15.83 22.17 25.33 31.67 34.83 19.00	31.67
26 05 33 13-0898	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	414.46 6.97 13.93 17.42 24.38 27.87 34.84 38.32 20.90	34.83
26 05 33 13-0899	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	578.91 8.74 17.48 21.85 30.59 34.96 43.70 48.07 26.22	43.71
26 05 33 13-0900	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	733.98 11.91 23.81 29.77 41.67 47.63 59.54 65.49 35.72	59.53
26 05 33 13-0901	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	895.95 13.43 26.85 33.57 46.99 53.71 67.14 73.85 40.28	67.13
26 05 33 13-0902	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	1,051.92 17.48 34.96 43.70 61.18 69.92 87.40 96.14 52.44	87.40
26 05 33 13-0903	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	1,560.64 28.50 57.00 71.25 99.75 114.00 142.51 156.76 85.50	142.50
26 05 33 13-0904	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	1,929.89 42.82 85.63 107.04 149.85 171.26 214.08 235.48 128.45	214.07
26 05 33 13-0905		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows (26 05 33 13-0802)		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0906 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....275.26		24.07
For Elevated Installation >10' To 15', Add	4.81	
For Elevated Installation >15' To 20', Add	9.63	
For Elevated Installation >20' To 25', Add	12.04	
For Elevated Installation >25' To 30', Add	16.85	
For Elevated Installation >30' To 35', Add	19.26	
For Elevated Installation >35' To 40', Add	24.07	
For Elevated Installation >40', Add	26.48	
For Work In Restricted Working Space, Add	14.44	
26 05 33 13-0907 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....324.22		27.87
For Elevated Installation >10' To 15', Add	5.57	
For Elevated Installation >15' To 20', Add	11.15	
For Elevated Installation >20' To 25', Add	13.93	
For Elevated Installation >25' To 30', Add	19.51	
For Elevated Installation >30' To 35', Add	22.29	
For Elevated Installation >35' To 40', Add	27.87	
For Elevated Installation >40', Add	30.65	
For Work In Restricted Working Space, Add	16.72	
26 05 33 13-0908 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....367.03		31.67
For Elevated Installation >10' To 15', Add	6.33	
For Elevated Installation >15' To 20', Add	12.67	
For Elevated Installation >20' To 25', Add	15.83	
For Elevated Installation >25' To 30', Add	22.17	
For Elevated Installation >30' To 35', Add	25.33	
For Elevated Installation >35' To 40', Add	31.67	
For Elevated Installation >40', Add	34.83	
For Work In Restricted Working Space, Add	19.00	
26 05 33 13-0909 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....432.13		34.83
For Elevated Installation >10' To 15', Add	6.97	
For Elevated Installation >15' To 20', Add	13.93	
For Elevated Installation >20' To 25', Add	17.42	
For Elevated Installation >25' To 30', Add	24.38	
For Elevated Installation >30' To 35', Add	27.87	
For Elevated Installation >35' To 40', Add	34.84	
For Elevated Installation >40', Add	38.32	
For Work In Restricted Working Space, Add	20.90	
26 05 33 13-0910 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....599.67		43.71
For Elevated Installation >10' To 15', Add	8.74	
For Elevated Installation >15' To 20', Add	17.48	
For Elevated Installation >20' To 25', Add	21.85	
For Elevated Installation >25' To 30', Add	30.59	
For Elevated Installation >30' To 35', Add	34.96	
For Elevated Installation >35' To 40', Add	43.70	
For Elevated Installation >40', Add	48.07	
For Work In Restricted Working Space, Add	26.22	
26 05 33 13-0911 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....765.81		59.53
For Elevated Installation >10' To 15', Add	11.91	
For Elevated Installation >15' To 20', Add	23.81	
For Elevated Installation >20' To 25', Add	29.77	
For Elevated Installation >25' To 30', Add	41.67	
For Elevated Installation >30' To 35', Add	47.63	
For Elevated Installation >35' To 40', Add	59.54	
For Elevated Installation >40', Add	65.49	
For Work In Restricted Working Space, Add	35.72	
26 05 33 13-0912 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....980.81		67.13
For Elevated Installation >10' To 15', Add	13.43	
For Elevated Installation >15' To 20', Add	26.85	
For Elevated Installation >20' To 25', Add	33.57	
For Elevated Installation >25' To 30', Add	46.99	
For Elevated Installation >30' To 35', Add	53.71	
For Elevated Installation >35' To 40', Add	67.14	
For Elevated Installation >40', Add	73.85	
For Work In Restricted Working Space, Add	40.28	
26 05 33 13-0913 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....1,096.08		87.40
For Elevated Installation >10' To 15', Add	17.48	
For Elevated Installation >15' To 20', Add	34.96	
For Elevated Installation >20' To 25', Add	43.70	
For Elevated Installation >25' To 30', Add	61.18	
For Elevated Installation >30' To 35', Add	69.92	
For Elevated Installation >35' To 40', Add	87.40	
For Elevated Installation >40', Add	96.14	
For Work In Restricted Working Space, Add	52.44	
26 05 33 13-0914 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....1,622.10		142.50
For Elevated Installation >10' To 15', Add	28.50	
For Elevated Installation >15' To 20', Add	57.00	
For Elevated Installation >20' To 25', Add	71.25	
For Elevated Installation >25' To 30', Add	99.75	
For Elevated Installation >30' To 35', Add	114.00	
For Elevated Installation >35' To 40', Add	142.51	
For Elevated Installation >40', Add	156.76	
For Work In Restricted Working Space, Add	85.50	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0915	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	1,983.25 42.82 85.63 107.04 149.85 171.26 214.08 235.48 128.45	214.07
26 05 33 13-0916		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fittings (26 05 33 13-0902)		
26 05 33 13-0917	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	101.47 3.17 6.33 7.92 11.08 12.67 15.84 17.42 9.50 9.50	15.84
26 05 33 13-0918	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	124.11 4.18 8.36 10.45 14.63 16.72 20.90 22.99 12.54 12.54	20.90
26 05 33 13-0919	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	165.69 4.81 9.63 12.04 16.85 19.26 24.07 26.48 14.44 14.44	24.07
26 05 33 13-0920	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	272.78 5.57 11.15 13.93 19.51 22.29 27.87 30.65 16.72 16.72	27.87
26 05 33 13-0921	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	301.14 6.33 12.67 15.83 22.17 25.33 31.67 34.83 19.00 19.00	31.67
26 05 33 13-0922	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	380.80 6.97 13.93 17.42 24.38 27.87 34.84 38.32 20.90 20.90	34.83
26 05 33 13-0923	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,040.48 8.74 17.48 21.85 30.59 34.96 43.70 48.07 26.22 26.22	43.71

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0924	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting .....1,241.44	59.53	
			For Elevated Installation >10' To 15', Add	11.91	
			For Elevated Installation >15' To 20', Add	23.82	
			For Elevated Installation >20' To 25', Add	29.77	
			For Elevated Installation >25' To 30', Add	41.68	
			For Elevated Installation >30' To 35', Add	47.63	
			For Elevated Installation >35' To 40', Add	59.54	
			For Elevated Installation >40', Add	65.49	
			For Work In Restricted Working Space, Add	35.72	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.72	
26 05 33 13-0925	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting .....1,649.01	87.40	
			For Elevated Installation >10' To 15', Add	17.48	
			For Elevated Installation >15' To 20', Add	34.96	
			For Elevated Installation >20' To 25', Add	43.70	
			For Elevated Installation >25' To 30', Add	61.18	
			For Elevated Installation >30' To 35', Add	69.92	
			For Elevated Installation >35' To 40', Add	87.40	
			For Elevated Installation >40', Add	96.13	
			For Work In Restricted Working Space, Add	52.44	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.44	
26 05 33 13-0926 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fittings (26 05 33 13-0902)					
26 05 33 13-0927	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting .....97.23	15.84	
			For Elevated Installation >10' To 15', Add	3.17	
			For Elevated Installation >15' To 20', Add	6.33	
			For Elevated Installation >20' To 25', Add	7.92	
			For Elevated Installation >25' To 30', Add	11.08	
			For Elevated Installation >30' To 35', Add	12.67	
			For Elevated Installation >35' To 40', Add	15.84	
			For Elevated Installation >40', Add	17.42	
			For Work In Restricted Working Space, Add	9.50	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.50	
26 05 33 13-0928	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting .....119.32	20.90	
			For Elevated Installation >10' To 15', Add	4.18	
			For Elevated Installation >15' To 20', Add	8.36	
			For Elevated Installation >20' To 25', Add	10.45	
			For Elevated Installation >25' To 30', Add	14.63	
			For Elevated Installation >30' To 35', Add	16.72	
			For Elevated Installation >35' To 40', Add	20.90	
			For Elevated Installation >40', Add	22.99	
			For Work In Restricted Working Space, Add	12.54	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.54	
26 05 33 13-0929	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting .....165.69	24.07	
			For Elevated Installation >10' To 15', Add	4.81	
			For Elevated Installation >15' To 20', Add	9.63	
			For Elevated Installation >20' To 25', Add	12.04	
			For Elevated Installation >25' To 30', Add	16.85	
			For Elevated Installation >30' To 35', Add	19.26	
			For Elevated Installation >35' To 40', Add	24.07	
			For Elevated Installation >40', Add	26.48	
			For Work In Restricted Working Space, Add	14.44	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.44	
26 05 33 13-0930	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting .....270.31	27.87	
			For Elevated Installation >10' To 15', Add	5.57	
			For Elevated Installation >15' To 20', Add	11.15	
			For Elevated Installation >20' To 25', Add	13.93	
			For Elevated Installation >25' To 30', Add	19.51	
			For Elevated Installation >30' To 35', Add	22.29	
			For Elevated Installation >35' To 40', Add	27.87	
			For Elevated Installation >40', Add	30.65	
			For Work In Restricted Working Space, Add	16.72	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.72	
26 05 33 13-0931	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting .....291.19	31.67	
			For Elevated Installation >10' To 15', Add	6.33	
			For Elevated Installation >15' To 20', Add	12.67	
			For Elevated Installation >20' To 25', Add	15.83	
			For Elevated Installation >25' To 30', Add	22.17	
			For Elevated Installation >30' To 35', Add	25.33	
			For Elevated Installation >35' To 40', Add	31.67	
			For Elevated Installation >40', Add	34.83	
			For Work In Restricted Working Space, Add	19.00	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.00	
26 05 33 13-0932	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting .....380.92	34.83	
			For Elevated Installation >10' To 15', Add	6.97	
			For Elevated Installation >15' To 20', Add	13.93	
			For Elevated Installation >20' To 25', Add	17.42	
			For Elevated Installation >25' To 30', Add	24.38	
			For Elevated Installation >30' To 35', Add	27.87	
			For Elevated Installation >35' To 40', Add	34.84	
			For Elevated Installation >40', Add	38.32	
			For Work In Restricted Working Space, Add	20.90	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.90	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0933	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	998.03	43.71
			For Elevated Installation >10' To 15', Add	8.74	
			For Elevated Installation >15' To 20', Add	17.48	
			For Elevated Installation >20' To 25', Add	21.85	
			For Elevated Installation >25' To 30', Add	30.59	
			For Elevated Installation >30' To 35', Add	34.96	
			For Elevated Installation >35' To 40', Add	43.70	
			For Elevated Installation >40', Add	48.07	
			For Work In Restricted Working Space, Add	26.22	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.22	
26 05 33 13-0934	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	1,210.47	59.53
			For Elevated Installation >10' To 15', Add	11.91	
			For Elevated Installation >15' To 20', Add	23.82	
			For Elevated Installation >20' To 25', Add	29.77	
			For Elevated Installation >25' To 30', Add	41.68	
			For Elevated Installation >30' To 35', Add	47.63	
			For Elevated Installation >35' To 40', Add	59.54	
			For Elevated Installation >40', Add	65.49	
			For Work In Restricted Working Space, Add	35.72	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.72	
26 05 33 13-0935	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	1,648.94	87.40
			For Elevated Installation >10' To 15', Add	17.48	
			For Elevated Installation >15' To 20', Add	34.96	
			For Elevated Installation >20' To 25', Add	43.70	
			For Elevated Installation >25' To 30', Add	61.18	
			For Elevated Installation >30' To 35', Add	69.92	
			For Elevated Installation >35' To 40', Add	87.40	
			For Elevated Installation >40', Add	96.13	
			For Work In Restricted Working Space, Add	52.44	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.44	
26 05 33 13-0936			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fittings (26 05 33 13-0902)		
26 05 33 13-0937	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	87.83	15.84
			For Elevated Installation >10' To 15', Add	3.17	
			For Elevated Installation >15' To 20', Add	6.33	
			For Elevated Installation >20' To 25', Add	7.92	
			For Elevated Installation >25' To 30', Add	11.08	
			For Elevated Installation >30' To 35', Add	12.67	
			For Elevated Installation >35' To 40', Add	15.84	
			For Elevated Installation >40', Add	17.42	
			For Work In Restricted Working Space, Add	9.50	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.50	
26 05 33 13-0938	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	105.06	20.90
			For Elevated Installation >10' To 15', Add	4.18	
			For Elevated Installation >15' To 20', Add	8.36	
			For Elevated Installation >20' To 25', Add	10.45	
			For Elevated Installation >25' To 30', Add	14.63	
			For Elevated Installation >30' To 35', Add	16.72	
			For Elevated Installation >35' To 40', Add	20.90	
			For Elevated Installation >40', Add	22.99	
			For Work In Restricted Working Space, Add	12.54	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.54	
26 05 33 13-0939	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	124.01	24.07
			For Elevated Installation >10' To 15', Add	4.81	
			For Elevated Installation >15' To 20', Add	9.63	
			For Elevated Installation >20' To 25', Add	12.04	
			For Elevated Installation >25' To 30', Add	16.85	
			For Elevated Installation >30' To 35', Add	19.26	
			For Elevated Installation >35' To 40', Add	24.07	
			For Elevated Installation >40', Add	26.48	
			For Work In Restricted Working Space, Add	14.44	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.44	
26 05 33 13-0940	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	176.52	27.87
			For Elevated Installation >10' To 15', Add	5.57	
			For Elevated Installation >15' To 20', Add	11.15	
			For Elevated Installation >20' To 25', Add	13.93	
			For Elevated Installation >25' To 30', Add	19.51	
			For Elevated Installation >30' To 35', Add	22.29	
			For Elevated Installation >35' To 40', Add	27.87	
			For Elevated Installation >40', Add	30.65	
			For Work In Restricted Working Space, Add	16.72	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.72	
26 05 33 13-0941	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	206.24	31.67
			For Elevated Installation >10' To 15', Add	6.33	
			For Elevated Installation >15' To 20', Add	12.67	
			For Elevated Installation >20' To 25', Add	15.83	
			For Elevated Installation >25' To 30', Add	22.17	
			For Elevated Installation >30' To 35', Add	25.33	
			For Elevated Installation >35' To 40', Add	31.67	
			For Elevated Installation >40', Add	34.83	
			For Work In Restricted Working Space, Add	19.00	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.00	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0942	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	319.54	34.83
			For Elevated Installation >10' To 15', Add	6.97	
			For Elevated Installation >15' To 20', Add	13.93	
			For Elevated Installation >20' To 25', Add	17.42	
			For Elevated Installation >25' To 30', Add	24.38	
			For Elevated Installation >30' To 35', Add	27.87	
			For Elevated Installation >35' To 40', Add	34.84	
			For Elevated Installation >40', Add	38.32	
			For Work In Restricted Working Space, Add	20.90	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.90	
26 05 33 13-0943	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	879.81	43.71
			For Elevated Installation >10' To 15', Add	8.74	
			For Elevated Installation >15' To 20', Add	17.48	
			For Elevated Installation >20' To 25', Add	21.85	
			For Elevated Installation >25' To 30', Add	30.59	
			For Elevated Installation >30' To 35', Add	34.96	
			For Elevated Installation >35' To 40', Add	43.70	
			For Elevated Installation >40', Add	48.07	
			For Work In Restricted Working Space, Add	26.22	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.22	
26 05 33 13-0944	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	989.66	59.53
			For Elevated Installation >10' To 15', Add	11.91	
			For Elevated Installation >15' To 20', Add	23.82	
			For Elevated Installation >20' To 25', Add	29.77	
			For Elevated Installation >25' To 30', Add	41.68	
			For Elevated Installation >30' To 35', Add	47.63	
			For Elevated Installation >35' To 40', Add	59.54	
			For Elevated Installation >40', Add	65.49	
			For Work In Restricted Working Space, Add	35.72	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.72	
26 05 33 13-0945	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	1,263.11	87.40
			For Elevated Installation >10' To 15', Add	17.48	
			For Elevated Installation >15' To 20', Add	34.96	
			For Elevated Installation >20' To 25', Add	43.70	
			For Elevated Installation >25' To 30', Add	61.18	
			For Elevated Installation >30' To 35', Add	69.92	
			For Elevated Installation >35' To 40', Add	87.40	
			For Elevated Installation >40', Add	96.13	
			For Work In Restricted Working Space, Add	52.44	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.44	
26 05 33 13-0946			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fittings (26 05 33 13-0902)		
26 05 33 13-0947	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	150.68	15.84
			For Elevated Installation >10' To 15', Add	3.17	
			For Elevated Installation >15' To 20', Add	6.33	
			For Elevated Installation >20' To 25', Add	7.92	
			For Elevated Installation >25' To 30', Add	11.08	
			For Elevated Installation >30' To 35', Add	12.67	
			For Elevated Installation >35' To 40', Add	15.84	
			For Elevated Installation >40', Add	17.42	
			For Work In Restricted Working Space, Add	9.50	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.50	
26 05 33 13-0948	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	227.28	20.90
			For Elevated Installation >10' To 15', Add	4.18	
			For Elevated Installation >15' To 20', Add	8.36	
			For Elevated Installation >20' To 25', Add	10.45	
			For Elevated Installation >25' To 30', Add	14.63	
			For Elevated Installation >30' To 35', Add	16.72	
			For Elevated Installation >35' To 40', Add	20.90	
			For Elevated Installation >40', Add	22.99	
			For Work In Restricted Working Space, Add	12.54	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.54	
26 05 33 13-0949	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	285.88	24.07
			For Elevated Installation >10' To 15', Add	4.81	
			For Elevated Installation >15' To 20', Add	9.63	
			For Elevated Installation >20' To 25', Add	12.04	
			For Elevated Installation >25' To 30', Add	16.85	
			For Elevated Installation >30' To 35', Add	19.26	
			For Elevated Installation >35' To 40', Add	24.07	
			For Elevated Installation >40', Add	26.48	
			For Work In Restricted Working Space, Add	14.44	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.44	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0950	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	329.97	27.87
			For Elevated Installation >10' To 15', Add	5.57	
			For Elevated Installation >15' To 20', Add	11.15	
			For Elevated Installation >20' To 25', Add	13.93	
			For Elevated Installation >25' To 30', Add	19.51	
			For Elevated Installation >30' To 35', Add	22.29	
			For Elevated Installation >35' To 40', Add	27.87	
			For Elevated Installation >40', Add	30.65	
			For Work In Restricted Working Space, Add	16.72	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.72	
26 05 33 13-0951	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	374.75	31.67
			For Elevated Installation >10' To 15', Add	6.33	
			For Elevated Installation >15' To 20', Add	12.67	
			For Elevated Installation >20' To 25', Add	15.83	
			For Elevated Installation >25' To 30', Add	22.17	
			For Elevated Installation >30' To 35', Add	25.33	
			For Elevated Installation >35' To 40', Add	31.67	
			For Elevated Installation >40', Add	34.83	
			For Work In Restricted Working Space, Add	19.00	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.00	
26 05 33 13-0952	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	493.61	34.83
			For Elevated Installation >10' To 15', Add	6.97	
			For Elevated Installation >15' To 20', Add	13.93	
			For Elevated Installation >20' To 25', Add	17.42	
			For Elevated Installation >25' To 30', Add	24.38	
			For Elevated Installation >30' To 35', Add	27.87	
			For Elevated Installation >35' To 40', Add	34.84	
			For Elevated Installation >40', Add	38.32	
			For Work In Restricted Working Space, Add	20.90	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.90	
26 05 33 13-0953	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	1,557.24	43.71
			For Elevated Installation >10' To 15', Add	8.74	
			For Elevated Installation >15' To 20', Add	17.48	
			For Elevated Installation >20' To 25', Add	21.85	
			For Elevated Installation >25' To 30', Add	30.59	
			For Elevated Installation >30' To 35', Add	34.96	
			For Elevated Installation >35' To 40', Add	43.70	
			For Elevated Installation >40', Add	48.07	
			For Work In Restricted Working Space, Add	26.22	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.22	
26 05 33 13-0954	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	1,817.76	59.53
			For Elevated Installation >10' To 15', Add	11.91	
			For Elevated Installation >15' To 20', Add	23.82	
			For Elevated Installation >20' To 25', Add	29.77	
			For Elevated Installation >25' To 30', Add	41.68	
			For Elevated Installation >30' To 35', Add	47.63	
			For Elevated Installation >35' To 40', Add	59.54	
			For Elevated Installation >40', Add	65.49	
			For Work In Restricted Working Space, Add	35.72	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.72	
26 05 33 13-0955	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	2,234.10	87.40
			For Elevated Installation >10' To 15', Add	17.48	
			For Elevated Installation >15' To 20', Add	34.96	
			For Elevated Installation >20' To 25', Add	43.70	
			For Elevated Installation >25' To 30', Add	61.18	
			For Elevated Installation >30' To 35', Add	69.92	
			For Elevated Installation >35' To 40', Add	87.40	
			For Elevated Installation >40', Add	96.13	
			For Work In Restricted Working Space, Add	52.44	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.44	
26 05 33 13-0956			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fittings (26 05 33 13-0802)		
26 05 33 13-0957	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	167.37	15.84
			For Elevated Installation >10' To 15', Add	3.17	
			For Elevated Installation >15' To 20', Add	6.33	
			For Elevated Installation >20' To 25', Add	7.92	
			For Elevated Installation >25' To 30', Add	11.08	
			For Elevated Installation >30' To 35', Add	12.67	
			For Elevated Installation >35' To 40', Add	15.84	
			For Elevated Installation >40', Add	17.42	
			For Work In Restricted Working Space, Add	9.50	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.50	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0958	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	243.03	20.90
		For Elevated Installation >10' To 15', Add	4.18	
		For Elevated Installation >15' To 20', Add	8.36	
		For Elevated Installation >20' To 25', Add	10.45	
		For Elevated Installation >25' To 30', Add	14.63	
		For Elevated Installation >30' To 35', Add	16.72	
		For Elevated Installation >35' To 40', Add	20.90	
		For Elevated Installation >40', Add	22.99	
		For Work In Restricted Working Space, Add	12.54	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.54	
26 05 33 13-0959	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	288.87	24.07
		For Elevated Installation >10' To 15', Add	4.81	
		For Elevated Installation >15' To 20', Add	9.63	
		For Elevated Installation >20' To 25', Add	12.04	
		For Elevated Installation >25' To 30', Add	16.85	
		For Elevated Installation >30' To 35', Add	19.26	
		For Elevated Installation >35' To 40', Add	24.07	
		For Elevated Installation >40', Add	26.48	
		For Work In Restricted Working Space, Add	14.44	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.44	
26 05 33 13-0960	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	334.91	27.87
		For Elevated Installation >10' To 15', Add	5.57	
		For Elevated Installation >15' To 20', Add	11.15	
		For Elevated Installation >20' To 25', Add	13.93	
		For Elevated Installation >25' To 30', Add	19.51	
		For Elevated Installation >30' To 35', Add	22.29	
		For Elevated Installation >35' To 40', Add	27.87	
		For Elevated Installation >40', Add	30.65	
		For Work In Restricted Working Space, Add	16.72	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.72	
26 05 33 13-0961	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	388.30	31.67
		For Elevated Installation >10' To 15', Add	6.33	
		For Elevated Installation >15' To 20', Add	12.67	
		For Elevated Installation >20' To 25', Add	15.83	
		For Elevated Installation >25' To 30', Add	22.17	
		For Elevated Installation >30' To 35', Add	25.33	
		For Elevated Installation >35' To 40', Add	31.67	
		For Elevated Installation >40', Add	34.83	
		For Work In Restricted Working Space, Add	19.00	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.00	
26 05 33 13-0962	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	612.65	34.83
		For Elevated Installation >10' To 15', Add	6.97	
		For Elevated Installation >15' To 20', Add	13.93	
		For Elevated Installation >20' To 25', Add	17.42	
		For Elevated Installation >25' To 30', Add	24.38	
		For Elevated Installation >30' To 35', Add	27.87	
		For Elevated Installation >35' To 40', Add	34.84	
		For Elevated Installation >40', Add	38.32	
		For Work In Restricted Working Space, Add	20.90	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.90	
26 05 33 13-0963	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	1,736.85	43.71
		For Elevated Installation >10' To 15', Add	8.74	
		For Elevated Installation >15' To 20', Add	17.48	
		For Elevated Installation >20' To 25', Add	21.85	
		For Elevated Installation >25' To 30', Add	30.59	
		For Elevated Installation >30' To 35', Add	34.96	
		For Elevated Installation >35' To 40', Add	43.70	
		For Elevated Installation >40', Add	48.07	
		For Work In Restricted Working Space, Add	26.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.22	
26 05 33 13-0964	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	2,444.82	59.53
		For Elevated Installation >10' To 15', Add	11.91	
		For Elevated Installation >15' To 20', Add	23.82	
		For Elevated Installation >20' To 25', Add	29.77	
		For Elevated Installation >25' To 30', Add	41.68	
		For Elevated Installation >30' To 35', Add	47.63	
		For Elevated Installation >35' To 40', Add	59.54	
		For Elevated Installation >40', Add	65.49	
		For Work In Restricted Working Space, Add	35.72	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.72	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0965	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	2,551.54	87.40
			For Elevated Installation >10' To 15', Add	17.48	
			For Elevated Installation >15' To 20', Add	34.96	
			For Elevated Installation >20' To 25', Add	43.70	
			For Elevated Installation >25' To 30', Add	61.18	
			For Elevated Installation >30' To 35', Add	69.92	
			For Elevated Installation >35' To 40', Add	87.40	
			For Elevated Installation >40', Add	96.13	
			For Work In Restricted Working Space, Add	52.44	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.44	
26 05 33 13-0966			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fittings (26 05 33 13-0902)		
26 05 33 13-0967	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	132.30	15.84
			For Elevated Installation >10' To 15', Add	3.17	
			For Elevated Installation >15' To 20', Add	6.33	
			For Elevated Installation >20' To 25', Add	7.92	
			For Elevated Installation >25' To 30', Add	11.08	
			For Elevated Installation >30' To 35', Add	12.67	
			For Elevated Installation >35' To 40', Add	15.84	
			For Elevated Installation >40', Add	17.42	
			For Work In Restricted Working Space, Add	9.50	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.50	
26 05 33 13-0968	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	166.88	20.90
			For Elevated Installation >10' To 15', Add	4.18	
			For Elevated Installation >15' To 20', Add	8.36	
			For Elevated Installation >20' To 25', Add	10.45	
			For Elevated Installation >25' To 30', Add	14.63	
			For Elevated Installation >30' To 35', Add	16.72	
			For Elevated Installation >35' To 40', Add	20.90	
			For Elevated Installation >40', Add	22.99	
			For Work In Restricted Working Space, Add	12.54	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.54	
26 05 33 13-0969	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	199.99	24.07
			For Elevated Installation >10' To 15', Add	4.81	
			For Elevated Installation >15' To 20', Add	9.63	
			For Elevated Installation >20' To 25', Add	12.04	
			For Elevated Installation >25' To 30', Add	16.85	
			For Elevated Installation >30' To 35', Add	19.26	
			For Elevated Installation >35' To 40', Add	24.07	
			For Elevated Installation >40', Add	26.48	
			For Work In Restricted Working Space, Add	14.44	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.44	
26 05 33 13-0970	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	221.53	27.87
			For Elevated Installation >10' To 15', Add	5.57	
			For Elevated Installation >15' To 20', Add	11.15	
			For Elevated Installation >20' To 25', Add	13.93	
			For Elevated Installation >25' To 30', Add	19.51	
			For Elevated Installation >30' To 35', Add	22.29	
			For Elevated Installation >35' To 40', Add	27.87	
			For Elevated Installation >40', Add	30.65	
			For Work In Restricted Working Space, Add	16.72	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.72	
26 05 33 13-0971	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	298.65	31.67
			For Elevated Installation >10' To 15', Add	6.33	
			For Elevated Installation >15' To 20', Add	12.67	
			For Elevated Installation >20' To 25', Add	15.83	
			For Elevated Installation >25' To 30', Add	22.17	
			For Elevated Installation >30' To 35', Add	25.33	
			For Elevated Installation >35' To 40', Add	31.67	
			For Elevated Installation >40', Add	34.83	
			For Work In Restricted Working Space, Add	19.00	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.00	
26 05 33 13-0972	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	422.66	34.83
			For Elevated Installation >10' To 15', Add	6.97	
			For Elevated Installation >15' To 20', Add	13.93	
			For Elevated Installation >20' To 25', Add	17.42	
			For Elevated Installation >25' To 30', Add	24.38	
			For Elevated Installation >30' To 35', Add	27.87	
			For Elevated Installation >35' To 40', Add	34.84	
			For Elevated Installation >40', Add	38.32	
			For Work In Restricted Working Space, Add	20.90	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.90	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0973	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	.....	1,408.48	43.71
		For Elevated Installation >10' To 15', Add	.....	8.74	
		For Elevated Installation >15' To 20', Add	.....	17.48	
		For Elevated Installation >20' To 25', Add	.....	21.85	
		For Elevated Installation >25' To 30', Add	.....	30.59	
		For Elevated Installation >30' To 35', Add	.....	34.96	
		For Elevated Installation >35' To 40', Add	.....	43.70	
		For Elevated Installation >40', Add	.....	48.07	
		For Work In Restricted Working Space, Add	.....	26.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	26.22	
26 05 33 13-0974	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	.....	1,585.15	59.53
		For Elevated Installation >10' To 15', Add	.....	11.91	
		For Elevated Installation >15' To 20', Add	.....	23.82	
		For Elevated Installation >20' To 25', Add	.....	29.77	
		For Elevated Installation >25' To 30', Add	.....	41.68	
		For Elevated Installation >30' To 35', Add	.....	47.63	
		For Elevated Installation >35' To 40', Add	.....	59.54	
		For Elevated Installation >40', Add	.....	65.49	
		For Work In Restricted Working Space, Add	.....	35.72	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	35.72	
26 05 33 13-0975	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	.....	1,882.89	87.40
		For Elevated Installation >10' To 15', Add	.....	17.48	
		For Elevated Installation >15' To 20', Add	.....	34.96	
		For Elevated Installation >20' To 25', Add	.....	43.70	
		For Elevated Installation >25' To 30', Add	.....	61.18	
		For Elevated Installation >30' To 35', Add	.....	69.92	
		For Elevated Installation >35' To 40', Add	.....	87.40	
		For Elevated Installation >40', Add	.....	96.13	
		For Work In Restricted Working Space, Add	.....	52.44	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	52.44	
26 05 33 13-0976		Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover (26 05 33 13-0802)			
		Note: Suitable for use in hazardous locations. Class I, Div 2.			
26 05 33 13-0977	EA	1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	.....	118.94	30.40
		For Elevated Installation >10' To 15', Add	.....	6.08	
		For Elevated Installation >15' To 20', Add	.....	12.16	
		For Elevated Installation >20' To 25', Add	.....	15.20	
		For Elevated Installation >25' To 30', Add	.....	21.28	
		For Elevated Installation >30' To 35', Add	.....	24.32	
		For Elevated Installation >35' To 40', Add	.....	30.41	
		For Elevated Installation >40', Add	.....	33.45	
		For Work In Restricted Working Space, Add	.....	18.24	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	18.24	
26 05 33 13-0978	EA	3/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	.....	134.12	34.83
		For Elevated Installation >10' To 15', Add	.....	6.97	
		For Elevated Installation >15' To 20', Add	.....	13.93	
		For Elevated Installation >20' To 25', Add	.....	17.42	
		For Elevated Installation >25' To 30', Add	.....	24.38	
		For Elevated Installation >30' To 35', Add	.....	27.86	
		For Elevated Installation >35' To 40', Add	.....	34.83	
		For Elevated Installation >40', Add	.....	38.31	
		For Work In Restricted Working Space, Add	.....	20.90	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	20.90	
26 05 33 13-0979	EA	1" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	.....	166.05	39.91
		For Elevated Installation >10' To 15', Add	.....	7.98	
		For Elevated Installation >15' To 20', Add	.....	15.96	
		For Elevated Installation >20' To 25', Add	.....	19.95	
		For Elevated Installation >25' To 30', Add	.....	27.93	
		For Elevated Installation >30' To 35', Add	.....	31.92	
		For Elevated Installation >35' To 40', Add	.....	39.90	
		For Elevated Installation >40', Add	.....	43.89	
		For Work In Restricted Working Space, Add	.....	23.94	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	23.94	
26 05 33 13-0980	EA	1-1/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	.....	217.67	46.23
		For Elevated Installation >10' To 15', Add	.....	9.25	
		For Elevated Installation >15' To 20', Add	.....	18.49	
		For Elevated Installation >20' To 25', Add	.....	23.12	
		For Elevated Installation >25' To 30', Add	.....	32.36	
		For Elevated Installation >30' To 35', Add	.....	36.99	
		For Elevated Installation >35' To 40', Add	.....	46.24	
		For Elevated Installation >40', Add	.....	50.86	
		For Work In Restricted Working Space, Add	.....	27.74	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	27.74	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0981	EA	1-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	254.21	50.67
		For Elevated Installation >10' To 15', Add	10.13	
		For Elevated Installation >15' To 20', Add	20.27	
		For Elevated Installation >20' To 25', Add	25.33	
		For Elevated Installation >25' To 30', Add	35.47	
		For Elevated Installation >30' To 35', Add	40.53	
		For Elevated Installation >35' To 40', Add	50.67	
		For Elevated Installation >40', Add	55.73	
		For Work In Restricted Working Space, Add	30.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.40	
26 05 33 13-0982	EA	2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	347.00	60.81
		For Elevated Installation >10' To 15', Add	12.16	
		For Elevated Installation >15' To 20', Add	24.32	
		For Elevated Installation >20' To 25', Add	30.40	
		For Elevated Installation >25' To 30', Add	42.56	
		For Elevated Installation >30' To 35', Add	48.64	
		For Elevated Installation >35' To 40', Add	60.81	
		For Elevated Installation >40', Add	66.89	
		For Work In Restricted Working Space, Add	36.48	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.48	
26 05 33 13-0983	EA	2-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	584.64	85.51
		For Elevated Installation >10' To 15', Add	17.10	
		For Elevated Installation >15' To 20', Add	34.20	
		For Elevated Installation >20' To 25', Add	42.75	
		For Elevated Installation >25' To 30', Add	59.85	
		For Elevated Installation >30' To 35', Add	68.40	
		For Elevated Installation >35' To 40', Add	85.51	
		For Elevated Installation >40', Add	94.06	
		For Work In Restricted Working Space, Add	51.30	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.30	
26 05 33 13-0984	EA	3" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	748.34	114.00
		For Elevated Installation >10' To 15', Add	22.80	
		For Elevated Installation >15' To 20', Add	45.60	
		For Elevated Installation >20' To 25', Add	57.01	
		For Elevated Installation >25' To 30', Add	79.81	
		For Elevated Installation >30' To 35', Add	91.21	
		For Elevated Installation >35' To 40', Add	114.01	
		For Elevated Installation >40', Add	125.41	
		For Work In Restricted Working Space, Add	68.41	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	68.41	
26 05 33 13-0985	EA	3-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,040.99	142.50
		For Elevated Installation >10' To 15', Add	28.50	
		For Elevated Installation >15' To 20', Add	57.00	
		For Elevated Installation >20' To 25', Add	71.25	
		For Elevated Installation >25' To 30', Add	99.75	
		For Elevated Installation >30' To 35', Add	114.00	
		For Elevated Installation >35' To 40', Add	142.51	
		For Elevated Installation >40', Add	156.76	
		For Work In Restricted Working Space, Add	85.50	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	85.50	
26 05 33 13-0986	EA	4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,194.48	173.54
		For Elevated Installation >10' To 15', Add	34.71	
		For Elevated Installation >15' To 20', Add	69.42	
		For Elevated Installation >20' To 25', Add	86.77	
		For Elevated Installation >25' To 30', Add	121.48	
		For Elevated Installation >30' To 35', Add	138.83	
		For Elevated Installation >35' To 40', Add	173.54	
		For Elevated Installation >40', Add	190.89	
		For Work In Restricted Working Space, Add	104.12	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	104.12	
26 05 33 13-0987		Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover (26 05 33 13-0802)		
		Note: Suitable for use in hazardous locations. Class I, Div 2.		
26 05 33 13-0988	EA	1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	155.38	39.91
		For Elevated Installation >10' To 15', Add	7.98	
		For Elevated Installation >15' To 20', Add	15.96	
		For Elevated Installation >20' To 25', Add	19.95	
		For Elevated Installation >25' To 30', Add	27.93	
		For Elevated Installation >30' To 35', Add	31.92	
		For Elevated Installation >35' To 40', Add	39.90	
		For Elevated Installation >40', Add	43.89	
		For Work In Restricted Working Space, Add	23.94	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.94	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0989 EA 3/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	177.17	44.34
For Elevated Installation >10' To 15', Add	8.87	
For Elevated Installation >15' To 20', Add	17.73	
For Elevated Installation >20' To 25', Add	22.17	
For Elevated Installation >25' To 30', Add	31.03	
For Elevated Installation >30' To 35', Add	35.47	
For Elevated Installation >35' To 40', Add	44.34	
For Elevated Installation >40', Add	48.77	
For Work In Restricted Working Space, Add	26.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.60	
26 05 33 13-0990 EA 1" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	216.73	48.77
For Elevated Installation >10' To 15', Add	9.75	
For Elevated Installation >15' To 20', Add	19.51	
For Elevated Installation >20' To 25', Add	24.38	
For Elevated Installation >25' To 30', Add	34.14	
For Elevated Installation >30' To 35', Add	39.01	
For Elevated Installation >35' To 40', Add	48.77	
For Elevated Installation >40', Add	53.64	
For Work In Restricted Working Space, Add	29.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.26	
26 05 33 13-0991 EA 1-1/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	292.08	55.73
For Elevated Installation >10' To 15', Add	11.15	
For Elevated Installation >15' To 20', Add	22.29	
For Elevated Installation >20' To 25', Add	27.87	
For Elevated Installation >25' To 30', Add	39.01	
For Elevated Installation >30' To 35', Add	44.58	
For Elevated Installation >35' To 40', Add	55.73	
For Elevated Installation >40', Add	61.30	
For Work In Restricted Working Space, Add	33.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.44	
26 05 33 13-0992 EA 1-1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	345.48	60.81
For Elevated Installation >10' To 15', Add	12.16	
For Elevated Installation >15' To 20', Add	24.32	
For Elevated Installation >20' To 25', Add	30.40	
For Elevated Installation >25' To 30', Add	42.56	
For Elevated Installation >30' To 35', Add	48.64	
For Elevated Installation >35' To 40', Add	60.80	
For Elevated Installation >40', Add	66.88	
For Work In Restricted Working Space, Add	36.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.48	
26 05 33 13-0993 EA 2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	471.06	74.74
For Elevated Installation >10' To 15', Add	14.95	
For Elevated Installation >15' To 20', Add	29.89	
For Elevated Installation >20' To 25', Add	37.37	
For Elevated Installation >25' To 30', Add	52.31	
For Elevated Installation >30' To 35', Add	59.79	
For Elevated Installation >35' To 40', Add	74.74	
For Elevated Installation >40', Add	82.21	
For Work In Restricted Working Space, Add	44.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.84	
26 05 33 13-0994 Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover (26 05 33 13-0802)		
Note: Suitable for use in hazardous locations. Class I, Div 2.		
26 05 33 13-0995 EA 1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	136.76	34.83
For Elevated Installation >10' To 15', Add	6.97	
For Elevated Installation >15' To 20', Add	13.93	
For Elevated Installation >20' To 25', Add	17.42	
For Elevated Installation >25' To 30', Add	24.38	
For Elevated Installation >30' To 35', Add	27.87	
For Elevated Installation >35' To 40', Add	34.84	
For Elevated Installation >40', Add	38.32	
For Work In Restricted Working Space, Add	20.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.90	
26 05 33 13-0996 EA 3/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	156.00	40.54
For Elevated Installation >10' To 15', Add	8.11	
For Elevated Installation >15' To 20', Add	16.21	
For Elevated Installation >20' To 25', Add	20.27	
For Elevated Installation >25' To 30', Add	28.37	
For Elevated Installation >30' To 35', Add	32.43	
For Elevated Installation >35' To 40', Add	40.54	
For Elevated Installation >40', Add	44.59	
For Work In Restricted Working Space, Add	24.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.32	
26 05 33 13-0997 EA 1" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	189.06	44.34
For Elevated Installation >10' To 15', Add	8.87	
For Elevated Installation >15' To 20', Add	17.73	
For Elevated Installation >20' To 25', Add	22.17	
For Elevated Installation >25' To 30', Add	31.03	
For Elevated Installation >30' To 35', Add	35.47	
For Elevated Installation >35' To 40', Add	44.34	
For Elevated Installation >40', Add	48.77	
For Work In Restricted Working Space, Add	26.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.60	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0998	EA		1-1/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	242.67	50.67
			For Elevated Installation >10' To 15', Add	10.13	
			For Elevated Installation >15' To 20', Add	20.27	
			For Elevated Installation >20' To 25', Add	25.34	
			For Elevated Installation >25' To 30', Add	35.47	
			For Elevated Installation >30' To 35', Add	40.54	
			For Elevated Installation >35' To 40', Add	50.67	
			For Elevated Installation >40', Add	55.74	
			For Work In Restricted Working Space, Add	30.40	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.40	
26 05 33 13-0999	EA		1-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	287.96	55.73
			For Elevated Installation >10' To 15', Add	11.15	
			For Elevated Installation >15' To 20', Add	22.29	
			For Elevated Installation >20' To 25', Add	27.87	
			For Elevated Installation >25' To 30', Add	39.01	
			For Elevated Installation >30' To 35', Add	44.59	
			For Elevated Installation >35' To 40', Add	55.74	
			For Elevated Installation >40', Add	61.31	
			For Work In Restricted Working Space, Add	33.44	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.44	
26 05 33 13-1000	EA		2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	386.76	65.24
			For Elevated Installation >10' To 15', Add	13.05	
			For Elevated Installation >15' To 20', Add	26.09	
			For Elevated Installation >20' To 25', Add	32.62	
			For Elevated Installation >25' To 30', Add	45.66	
			For Elevated Installation >30' To 35', Add	52.19	
			For Elevated Installation >35' To 40', Add	65.24	
			For Elevated Installation >40', Add	71.76	
			For Work In Restricted Working Space, Add	39.14	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.14	
26 05 33 13-1001	EA		2-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	622.94	95.00
			For Elevated Installation >10' To 15', Add	19.00	
			For Elevated Installation >15' To 20', Add	38.00	
			For Elevated Installation >20' To 25', Add	47.50	
			For Elevated Installation >25' To 30', Add	66.50	
			For Elevated Installation >30' To 35', Add	76.00	
			For Elevated Installation >35' To 40', Add	95.01	
			For Elevated Installation >40', Add	104.51	
			For Work In Restricted Working Space, Add	57.00	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.00	
26 05 33 13-1002	EA		3" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	824.71	123.51
			For Elevated Installation >10' To 15', Add	24.70	
			For Elevated Installation >15' To 20', Add	49.40	
			For Elevated Installation >20' To 25', Add	61.75	
			For Elevated Installation >25' To 30', Add	86.45	
			For Elevated Installation >30' To 35', Add	98.80	
			For Elevated Installation >35' To 40', Add	123.50	
			For Elevated Installation >40', Add	135.85	
			For Work In Restricted Working Space, Add	74.10	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	74.10	
26 05 33 13-1003	EA		3-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,134.37	152.01
			For Elevated Installation >10' To 15', Add	30.40	
			For Elevated Installation >15' To 20', Add	60.80	
			For Elevated Installation >20' To 25', Add	76.00	
			For Elevated Installation >25' To 30', Add	106.40	
			For Elevated Installation >30' To 35', Add	121.60	
			For Elevated Installation >35' To 40', Add	152.01	
			For Elevated Installation >40', Add	167.21	
			For Work In Restricted Working Space, Add	91.20	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	91.20	
26 05 33 13-1004	EA		4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,266.92	183.04
			For Elevated Installation >10' To 15', Add	36.61	
			For Elevated Installation >15' To 20', Add	73.22	
			For Elevated Installation >20' To 25', Add	91.52	
			For Elevated Installation >25' To 30', Add	128.13	
			For Elevated Installation >30' To 35', Add	146.44	
			For Elevated Installation >35' To 40', Add	183.05	
			For Elevated Installation >40', Add	201.35	
			For Work In Restricted Working Space, Add	109.83	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	109.83	
26 05 33 13-1005			Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined (26 05 33 13-0802)		
26 05 33 13-1006	EA		1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	28.21	3.80
			For Elevated Installation >10' To 15', Add	0.76	
			For Elevated Installation >15' To 20', Add	1.52	
			For Elevated Installation >20' To 25', Add	1.90	
			For Elevated Installation >25' To 30', Add	2.66	
			For Elevated Installation >30' To 35', Add	3.04	
			For Elevated Installation >35' To 40', Add	3.80	
			For Elevated Installation >40', Add	4.18	
			For Work In Restricted Working Space, Add	2.28	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1007 EA 3/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	31.64	4.43
For Elevated Installation >10' To 15', Add	0.89	
For Elevated Installation >15' To 20', Add	1.77	
For Elevated Installation >20' To 25', Add	2.22	
For Elevated Installation >25' To 30', Add	3.10	
For Elevated Installation >30' To 35', Add	3.55	
For Elevated Installation >35' To 40', Add	4.44	
For Elevated Installation >40', Add	4.88	
For Work In Restricted Working Space, Add	2.66	
26 05 33 13-1008 EA 1" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	41.27	5.70
For Elevated Installation >10' To 15', Add	1.14	
For Elevated Installation >15' To 20', Add	2.28	
For Elevated Installation >20' To 25', Add	2.85	
For Elevated Installation >25' To 30', Add	3.99	
For Elevated Installation >30' To 35', Add	4.56	
For Elevated Installation >35' To 40', Add	5.70	
For Elevated Installation >40', Add	6.27	
For Work In Restricted Working Space, Add	3.42	
26 05 33 13-1009 EA 1-1/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	53.10	6.97
For Elevated Installation >10' To 15', Add	1.39	
For Elevated Installation >15' To 20', Add	2.79	
For Elevated Installation >20' To 25', Add	3.48	
For Elevated Installation >25' To 30', Add	4.88	
For Elevated Installation >30' To 35', Add	5.57	
For Elevated Installation >35' To 40', Add	6.97	
For Elevated Installation >40', Add	7.66	
For Work In Restricted Working Space, Add	4.18	
26 05 33 13-1010 EA 1-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	59.42	8.23
For Elevated Installation >10' To 15', Add	1.65	
For Elevated Installation >15' To 20', Add	3.29	
For Elevated Installation >20' To 25', Add	4.12	
For Elevated Installation >25' To 30', Add	5.76	
For Elevated Installation >30' To 35', Add	6.59	
For Elevated Installation >35' To 40', Add	8.24	
For Elevated Installation >40', Add	9.06	
For Work In Restricted Working Space, Add	4.94	
26 05 33 13-1011 EA 2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	73.60	9.50
For Elevated Installation >10' To 15', Add	1.90	
For Elevated Installation >15' To 20', Add	3.80	
For Elevated Installation >20' To 25', Add	4.75	
For Elevated Installation >25' To 30', Add	6.65	
For Elevated Installation >30' To 35', Add	7.60	
For Elevated Installation >35' To 40', Add	9.50	
For Elevated Installation >40', Add	10.45	
For Work In Restricted Working Space, Add	5.70	
26 05 33 13-1012 EA 2-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	95.36	10.77
For Elevated Installation >10' To 15', Add	2.15	
For Elevated Installation >15' To 20', Add	4.31	
For Elevated Installation >20' To 25', Add	5.38	
For Elevated Installation >25' To 30', Add	7.54	
For Elevated Installation >30' To 35', Add	8.61	
For Elevated Installation >35' To 40', Add	10.77	
For Elevated Installation >40', Add	11.84	
For Work In Restricted Working Space, Add	6.46	
26 05 33 13-1013 EA 3" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	104.23	15.20
For Elevated Installation >10' To 15', Add	3.04	
For Elevated Installation >15' To 20', Add	6.08	
For Elevated Installation >20' To 25', Add	7.60	
For Elevated Installation >25' To 30', Add	10.64	
For Elevated Installation >30' To 35', Add	12.16	
For Elevated Installation >35' To 40', Add	15.20	
For Elevated Installation >40', Add	16.72	
For Work In Restricted Working Space, Add	9.12	
26 05 33 13-1014 EA 3-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	126.77	17.10
For Elevated Installation >10' To 15', Add	3.42	
For Elevated Installation >15' To 20', Add	6.84	
For Elevated Installation >20' To 25', Add	8.55	
For Elevated Installation >25' To 30', Add	11.97	
For Elevated Installation >30' To 35', Add	13.68	
For Elevated Installation >35' To 40', Add	17.10	
For Elevated Installation >40', Add	18.81	
For Work In Restricted Working Space, Add	10.26	
26 05 33 13-1015 EA 4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	135.63	21.53
For Elevated Installation >10' To 15', Add	4.31	
For Elevated Installation >15' To 20', Add	8.61	
For Elevated Installation >20' To 25', Add	10.77	
For Elevated Installation >25' To 30', Add	15.07	
For Elevated Installation >30' To 35', Add	17.22	
For Elevated Installation >35' To 40', Add	21.53	
For Elevated Installation >40', Add	23.68	
For Work In Restricted Working Space, Add	12.92	

26 05 33 13-1016 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel
(RGS) EYS Sealing Conduit Bodies (26 05 33 13-0802)



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1017	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	134.57	30.40
		For Elevated Installation >10' To 15', Add	6.08	
		For Elevated Installation >15' To 20', Add	12.16	
		For Elevated Installation >20' To 25', Add	15.20	
		For Elevated Installation >25' To 30', Add	21.28	
		For Elevated Installation >30' To 35', Add	24.32	
		For Elevated Installation >35' To 40', Add	30.41	
		For Elevated Installation >40', Add	33.45	
		For Work In Restricted Working Space, Add	18.24	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.24	
26 05 33 13-1018	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	148.99	34.83
		For Elevated Installation >10' To 15', Add	6.97	
		For Elevated Installation >15' To 20', Add	13.93	
		For Elevated Installation >20' To 25', Add	17.42	
		For Elevated Installation >25' To 30', Add	24.38	
		For Elevated Installation >30' To 35', Add	27.87	
		For Elevated Installation >35' To 40', Add	34.84	
		For Elevated Installation >40', Add	38.32	
		For Work In Restricted Working Space, Add	20.90	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.90	
26 05 33 13-1019	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	174.03	39.91
		For Elevated Installation >10' To 15', Add	7.98	
		For Elevated Installation >15' To 20', Add	15.96	
		For Elevated Installation >20' To 25', Add	19.95	
		For Elevated Installation >25' To 30', Add	27.93	
		For Elevated Installation >30' To 35', Add	31.92	
		For Elevated Installation >35' To 40', Add	39.90	
		For Elevated Installation >40', Add	43.89	
		For Work In Restricted Working Space, Add	23.94	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.94	
26 05 33 13-1020	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	206.59	46.23
		For Elevated Installation >10' To 15', Add	9.25	
		For Elevated Installation >15' To 20', Add	18.49	
		For Elevated Installation >20' To 25', Add	23.12	
		For Elevated Installation >25' To 30', Add	32.36	
		For Elevated Installation >30' To 35', Add	36.99	
		For Elevated Installation >35' To 40', Add	46.24	
		For Elevated Installation >40', Add	50.86	
		For Work In Restricted Working Space, Add	27.74	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.74	
26 05 33 13-1021	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	257.34	50.67
		For Elevated Installation >10' To 15', Add	10.13	
		For Elevated Installation >15' To 20', Add	20.27	
		For Elevated Installation >20' To 25', Add	25.34	
		For Elevated Installation >25' To 30', Add	35.47	
		For Elevated Installation >30' To 35', Add	40.54	
		For Elevated Installation >35' To 40', Add	50.67	
		For Elevated Installation >40', Add	55.74	
		For Work In Restricted Working Space, Add	30.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.40	
26 05 33 13-1022	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	311.88	60.81
		For Elevated Installation >10' To 15', Add	12.16	
		For Elevated Installation >15' To 20', Add	24.32	
		For Elevated Installation >20' To 25', Add	30.40	
		For Elevated Installation >25' To 30', Add	42.56	
		For Elevated Installation >30' To 35', Add	48.64	
		For Elevated Installation >35' To 40', Add	60.80	
		For Elevated Installation >40', Add	66.88	
		For Work In Restricted Working Space, Add	36.48	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.48	
26 05 33 13-1023	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	451.72	85.51
		For Elevated Installation >10' To 15', Add	17.10	
		For Elevated Installation >15' To 20', Add	34.20	
		For Elevated Installation >20' To 25', Add	42.75	
		For Elevated Installation >25' To 30', Add	59.85	
		For Elevated Installation >30' To 35', Add	68.40	
		For Elevated Installation >35' To 40', Add	85.50	
		For Elevated Installation >40', Add	94.05	
		For Work In Restricted Working Space, Add	51.30	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.30	
26 05 33 13-1024	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	579.10	114.00
		For Elevated Installation >10' To 15', Add	22.80	
		For Elevated Installation >15' To 20', Add	45.60	
		For Elevated Installation >20' To 25', Add	57.00	
		For Elevated Installation >25' To 30', Add	79.80	
		For Elevated Installation >30' To 35', Add	91.20	
		For Elevated Installation >35' To 40', Add	114.01	
		For Elevated Installation >40', Add	125.41	
		For Work In Restricted Working Space, Add	68.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	68.40	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1025	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	1,160.84	142.50	
		For Elevated Installation >10' To 15', Add	28.50		
		For Elevated Installation >15' To 20', Add	57.00		
		For Elevated Installation >20' To 25', Add	71.25		
		For Elevated Installation >25' To 30', Add	99.75		
		For Elevated Installation >30' To 35', Add	114.00		
		For Elevated Installation >35' To 40', Add	142.51		
		For Elevated Installation >40', Add	156.76		
		For Work In Restricted Working Space, Add	85.50		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	85.50		
26 05 33 13-1026	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	1,700.92	173.54	
		For Elevated Installation >10' To 15', Add	34.71		
		For Elevated Installation >15' To 20', Add	69.42		
		For Elevated Installation >20' To 25', Add	86.77		
		For Elevated Installation >25' To 30', Add	121.48		
		For Elevated Installation >30' To 35', Add	138.83		
		For Elevated Installation >35' To 40', Add	173.54		
		For Elevated Installation >40', Add	190.89		
		For Work In Restricted Working Space, Add	104.12		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	104.12		
26 05 33 13-1027		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Bodies (26 05 33 13-0802)			
26 05 33 13-1028	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	230.57	30.40	
		For Elevated Installation >10' To 15', Add	6.08		
		For Elevated Installation >15' To 20', Add	12.16		
		For Elevated Installation >20' To 25', Add	15.20		
		For Elevated Installation >25' To 30', Add	21.28		
		For Elevated Installation >30' To 35', Add	24.32		
		For Elevated Installation >35' To 40', Add	30.41		
		For Elevated Installation >40', Add	33.45		
		For Work In Restricted Working Space, Add	18.24		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.24		
26 05 33 13-1029	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	248.25	34.83	
		For Elevated Installation >10' To 15', Add	6.97		
		For Elevated Installation >15' To 20', Add	13.93		
		For Elevated Installation >20' To 25', Add	17.42		
		For Elevated Installation >25' To 30', Add	24.38		
		For Elevated Installation >30' To 35', Add	27.87		
		For Elevated Installation >35' To 40', Add	34.84		
		For Elevated Installation >40', Add	38.32		
		For Work In Restricted Working Space, Add	20.90		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.90		
26 05 33 13-1030	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	283.48	39.91	
		For Elevated Installation >10' To 15', Add	7.98		
		For Elevated Installation >15' To 20', Add	15.96		
		For Elevated Installation >20' To 25', Add	19.95		
		For Elevated Installation >25' To 30', Add	27.93		
		For Elevated Installation >30' To 35', Add	31.92		
		For Elevated Installation >35' To 40', Add	39.90		
		For Elevated Installation >40', Add	43.89		
		For Work In Restricted Working Space, Add	23.94		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.94		
26 05 33 13-1031	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	317.29	46.23	
		For Elevated Installation >10' To 15', Add	9.25		
		For Elevated Installation >15' To 20', Add	18.49		
		For Elevated Installation >20' To 25', Add	23.12		
		For Elevated Installation >25' To 30', Add	32.36		
		For Elevated Installation >30' To 35', Add	36.99		
		For Elevated Installation >35' To 40', Add	46.24		
		For Elevated Installation >40', Add	50.86		
		For Work In Restricted Working Space, Add	27.74		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.74		
26 05 33 13-1032	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	384.76	50.67	
		For Elevated Installation >10' To 15', Add	10.13		
		For Elevated Installation >15' To 20', Add	20.27		
		For Elevated Installation >20' To 25', Add	25.34		
		For Elevated Installation >25' To 30', Add	35.47		
		For Elevated Installation >30' To 35', Add	40.54		
		For Elevated Installation >35' To 40', Add	50.67		
		For Elevated Installation >40', Add	55.74		
		For Work In Restricted Working Space, Add	30.40		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.40		
26 05 33 13-1033	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	433.09	60.81	
		For Elevated Installation >10' To 15', Add	12.16		
		For Elevated Installation >15' To 20', Add	24.32		
		For Elevated Installation >20' To 25', Add	30.40		
		For Elevated Installation >25' To 30', Add	42.56		
		For Elevated Installation >30' To 35', Add	48.64		
		For Elevated Installation >35' To 40', Add	60.80		
		For Elevated Installation >40', Add	66.88		
		For Work In Restricted Working Space, Add	36.48		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.48		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1034	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	609.32	85.51
			For Elevated Installation >10' To 15', Add	17.10	
			For Elevated Installation >15' To 20', Add	34.20	
			For Elevated Installation >20' To 25', Add	42.75	
			For Elevated Installation >25' To 30', Add	59.85	
			For Elevated Installation >30' To 35', Add	68.40	
			For Elevated Installation >35' To 40', Add	85.50	
			For Elevated Installation >40', Add	94.05	
			For Work In Restricted Working Space, Add	51.30	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.30	
26 05 33 13-1035	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	849.01	114.00
			For Elevated Installation >10' To 15', Add	22.80	
			For Elevated Installation >15' To 20', Add	45.60	
			For Elevated Installation >20' To 25', Add	57.00	
			For Elevated Installation >25' To 30', Add	79.80	
			For Elevated Installation >30' To 35', Add	91.20	
			For Elevated Installation >35' To 40', Add	114.01	
			For Elevated Installation >40', Add	125.41	
			For Work In Restricted Working Space, Add	68.40	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	68.40	
26 05 33 13-1036	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	1,239.22	142.50
			For Elevated Installation >10' To 15', Add	28.50	
			For Elevated Installation >15' To 20', Add	57.00	
			For Elevated Installation >20' To 25', Add	71.25	
			For Elevated Installation >25' To 30', Add	99.75	
			For Elevated Installation >30' To 35', Add	114.00	
			For Elevated Installation >35' To 40', Add	142.51	
			For Elevated Installation >40', Add	156.76	
			For Work In Restricted Working Space, Add	85.50	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	85.50	
26 05 33 13-1037	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	1,803.49	173.54
			For Elevated Installation >10' To 15', Add	34.71	
			For Elevated Installation >15' To 20', Add	69.42	
			For Elevated Installation >20' To 25', Add	86.77	
			For Elevated Installation >25' To 30', Add	121.48	
			For Elevated Installation >30' To 35', Add	138.83	
			For Elevated Installation >35' To 40', Add	173.54	
			For Elevated Installation >40', Add	190.89	
			For Work In Restricted Working Space, Add	104.12	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	104.12	
26 05 33 13-1038			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Bodies (26 05 33 13-0802)		
26 05 33 13-1039	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	184.35	30.40
			For Elevated Installation >10' To 15', Add	6.08	
			For Elevated Installation >15' To 20', Add	12.16	
			For Elevated Installation >20' To 25', Add	15.20	
			For Elevated Installation >25' To 30', Add	21.28	
			For Elevated Installation >30' To 35', Add	24.32	
			For Elevated Installation >35' To 40', Add	30.41	
			For Elevated Installation >40', Add	33.45	
			For Work In Restricted Working Space, Add	18.24	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.24	
26 05 33 13-1040	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	196.50	34.83
			For Elevated Installation >10' To 15', Add	6.97	
			For Elevated Installation >15' To 20', Add	13.93	
			For Elevated Installation >20' To 25', Add	17.42	
			For Elevated Installation >25' To 30', Add	24.38	
			For Elevated Installation >30' To 35', Add	27.87	
			For Elevated Installation >35' To 40', Add	34.84	
			For Elevated Installation >40', Add	38.32	
			For Work In Restricted Working Space, Add	20.90	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.90	
26 05 33 13-1041	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	225.76	39.91
			For Elevated Installation >10' To 15', Add	7.98	
			For Elevated Installation >15' To 20', Add	15.96	
			For Elevated Installation >20' To 25', Add	19.95	
			For Elevated Installation >25' To 30', Add	27.93	
			For Elevated Installation >30' To 35', Add	31.92	
			For Elevated Installation >35' To 40', Add	39.90	
			For Elevated Installation >40', Add	43.89	
			For Work In Restricted Working Space, Add	23.94	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.94	
26 05 33 13-1042	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	251.82	46.23
			For Elevated Installation >10' To 15', Add	9.25	
			For Elevated Installation >15' To 20', Add	18.49	
			For Elevated Installation >20' To 25', Add	23.12	
			For Elevated Installation >25' To 30', Add	32.36	
			For Elevated Installation >30' To 35', Add	36.99	
			For Elevated Installation >35' To 40', Add	46.24	
			For Elevated Installation >40', Add	50.86	
			For Work In Restricted Working Space, Add	27.74	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.74	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1043	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	346.65	50.67
			For Elevated Installation >10' To 15', Add	10.13	
			For Elevated Installation >15' To 20', Add	20.27	
			For Elevated Installation >20' To 25', Add	25.34	
			For Elevated Installation >25' To 30', Add	35.47	
			For Elevated Installation >30' To 35', Add	40.54	
			For Elevated Installation >35' To 40', Add	50.67	
			For Elevated Installation >40', Add	55.74	
			For Work In Restricted Working Space, Add	30.40	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.40	
26 05 33 13-1044	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	435.40	60.81
			For Elevated Installation >10' To 15', Add	12.16	
			For Elevated Installation >15' To 20', Add	24.32	
			For Elevated Installation >20' To 25', Add	30.40	
			For Elevated Installation >25' To 30', Add	42.56	
			For Elevated Installation >30' To 35', Add	48.64	
			For Elevated Installation >35' To 40', Add	60.80	
			For Elevated Installation >40', Add	66.88	
			For Work In Restricted Working Space, Add	36.48	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.48	
26 05 33 13-1045	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	676.34	85.51
			For Elevated Installation >10' To 15', Add	17.10	
			For Elevated Installation >15' To 20', Add	34.20	
			For Elevated Installation >20' To 25', Add	42.75	
			For Elevated Installation >25' To 30', Add	59.85	
			For Elevated Installation >30' To 35', Add	68.40	
			For Elevated Installation >35' To 40', Add	85.50	
			For Elevated Installation >40', Add	94.05	
			For Work In Restricted Working Space, Add	51.30	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.30	
26 05 33 13-1046	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	985.38	114.00
			For Elevated Installation >10' To 15', Add	22.80	
			For Elevated Installation >15' To 20', Add	45.60	
			For Elevated Installation >20' To 25', Add	57.00	
			For Elevated Installation >25' To 30', Add	79.80	
			For Elevated Installation >30' To 35', Add	91.20	
			For Elevated Installation >35' To 40', Add	114.01	
			For Elevated Installation >40', Add	125.41	
			For Work In Restricted Working Space, Add	68.40	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	68.40	
26 05 33 13-1047	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	1,239.22	142.50
			For Elevated Installation >10' To 15', Add	28.50	
			For Elevated Installation >15' To 20', Add	57.00	
			For Elevated Installation >20' To 25', Add	71.25	
			For Elevated Installation >25' To 30', Add	99.75	
			For Elevated Installation >30' To 35', Add	114.00	
			For Elevated Installation >35' To 40', Add	142.51	
			For Elevated Installation >40', Add	156.76	
			For Work In Restricted Working Space, Add	85.50	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	85.50	
26 05 33 13-1048			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Bodies (26 05 33 13-0802)		
26 05 33 13-1049	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	244.14	30.40
			For Elevated Installation >10' To 15', Add	6.08	
			For Elevated Installation >15' To 20', Add	12.16	
			For Elevated Installation >20' To 25', Add	15.20	
			For Elevated Installation >25' To 30', Add	21.28	
			For Elevated Installation >30' To 35', Add	24.32	
			For Elevated Installation >35' To 40', Add	30.41	
			For Elevated Installation >40', Add	33.45	
			For Work In Restricted Working Space, Add	18.24	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.24	
26 05 33 13-1050	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	270.88	34.83
			For Elevated Installation >10' To 15', Add	6.97	
			For Elevated Installation >15' To 20', Add	13.93	
			For Elevated Installation >20' To 25', Add	17.42	
			For Elevated Installation >25' To 30', Add	24.38	
			For Elevated Installation >30' To 35', Add	27.87	
			For Elevated Installation >35' To 40', Add	34.84	
			For Elevated Installation >40', Add	38.32	
			For Work In Restricted Working Space, Add	20.90	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.90	
26 05 33 13-1051	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	335.83	39.91
			For Elevated Installation >10' To 15', Add	7.98	
			For Elevated Installation >15' To 20', Add	15.96	
			For Elevated Installation >20' To 25', Add	19.95	
			For Elevated Installation >25' To 30', Add	27.93	
			For Elevated Installation >30' To 35', Add	31.92	
			For Elevated Installation >35' To 40', Add	39.90	
			For Elevated Installation >40', Add	43.89	
			For Work In Restricted Working Space, Add	23.94	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.94	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1052	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) ESD Sealing Conduit Body.....	414.10	46.23
			For Elevated Installation >10' To 15', Add	9.25	
			For Elevated Installation >15' To 20', Add	18.49	
			For Elevated Installation >20' To 25', Add	23.12	
			For Elevated Installation >25' To 30', Add	32.36	
			For Elevated Installation >30' To 35', Add	36.99	
			For Elevated Installation >35' To 40', Add	46.24	
			For Elevated Installation >40', Add	50.86	
			For Work In Restricted Working Space, Add	27.74	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.74	
26 05 33 13-1053	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) ESD Sealing Conduit Body.....	575.93	50.67
			For Elevated Installation >10' To 15', Add	10.13	
			For Elevated Installation >15' To 20', Add	20.27	
			For Elevated Installation >20' To 25', Add	25.34	
			For Elevated Installation >25' To 30', Add	35.47	
			For Elevated Installation >30' To 35', Add	40.54	
			For Elevated Installation >35' To 40', Add	50.67	
			For Elevated Installation >40', Add	55.74	
			For Work In Restricted Working Space, Add	30.40	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.40	
26 05 33 13-1054	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) ESD Sealing Conduit Body.....	690.22	60.81
			For Elevated Installation >10' To 15', Add	12.16	
			For Elevated Installation >15' To 20', Add	24.32	
			For Elevated Installation >20' To 25', Add	30.40	
			For Elevated Installation >25' To 30', Add	42.56	
			For Elevated Installation >30' To 35', Add	48.64	
			For Elevated Installation >35' To 40', Add	60.80	
			For Elevated Installation >40', Add	66.88	
			For Work In Restricted Working Space, Add	36.48	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.48	
26 05 33 13-1055			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Couplings (26 05 33 13-0802)		
26 05 33 13-1056	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	46.82	12.18
			For Elevated Installation >10' To 15', Add	2.44	
			For Elevated Installation >15' To 20', Add	4.87	
			For Elevated Installation >20' To 25', Add	6.09	
			For Elevated Installation >25' To 30', Add	8.53	
			For Elevated Installation >30' To 35', Add	9.74	
			For Elevated Installation >35' To 40', Add	12.18	
			For Elevated Installation >40', Add	13.40	
			For Work In Restricted Working Space, Add	7.31	
26 05 33 13-1057	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	62.14	14.61
			For Elevated Installation >10' To 15', Add	2.92	
			For Elevated Installation >15' To 20', Add	5.85	
			For Elevated Installation >20' To 25', Add	7.31	
			For Elevated Installation >25' To 30', Add	10.23	
			For Elevated Installation >30' To 35', Add	11.69	
			For Elevated Installation >35' To 40', Add	14.62	
			For Elevated Installation >40', Add	16.08	
			For Work In Restricted Working Space, Add	8.77	
26 05 33 13-1058	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	78.93	19.49
			For Elevated Installation >10' To 15', Add	3.90	
			For Elevated Installation >15' To 20', Add	7.79	
			For Elevated Installation >20' To 25', Add	9.74	
			For Elevated Installation >25' To 30', Add	13.64	
			For Elevated Installation >30' To 35', Add	15.59	
			For Elevated Installation >35' To 40', Add	19.49	
			For Elevated Installation >40', Add	21.43	
			For Work In Restricted Working Space, Add	11.69	
26 05 33 13-1059	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	108.69	24.36
			For Elevated Installation >10' To 15', Add	4.87	
			For Elevated Installation >15' To 20', Add	9.74	
			For Elevated Installation >20' To 25', Add	12.18	
			For Elevated Installation >25' To 30', Add	17.05	
			For Elevated Installation >30' To 35', Add	19.49	
			For Elevated Installation >35' To 40', Add	24.36	
			For Elevated Installation >40', Add	26.80	
			For Work In Restricted Working Space, Add	14.62	
26 05 33 13-1060	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	142.72	29.23
			For Elevated Installation >10' To 15', Add	5.85	
			For Elevated Installation >15' To 20', Add	11.69	
			For Elevated Installation >20' To 25', Add	14.62	
			For Elevated Installation >25' To 30', Add	20.46	
			For Elevated Installation >30' To 35', Add	23.38	
			For Elevated Installation >35' To 40', Add	29.23	
			For Elevated Installation >40', Add	32.15	
			For Work In Restricted Working Space, Add	17.54	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1061	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	246.36	34.11
		For Elevated Installation >10' To 15', Add	6.82	
		For Elevated Installation >15' To 20', Add	13.64	
		For Elevated Installation >20' To 25', Add	17.05	
		For Elevated Installation >25' To 30', Add	23.87	
		For Elevated Installation >30' To 35', Add	27.28	
		For Elevated Installation >35' To 40', Add	34.11	
		For Elevated Installation >40', Add	37.52	
		For Work In Restricted Working Space, Add	20.46	
26 05 33 13-1062	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	358.43	38.97
		For Elevated Installation >10' To 15', Add	7.80	
		For Elevated Installation >15' To 20', Add	15.59	
		For Elevated Installation >20' To 25', Add	19.49	
		For Elevated Installation >25' To 30', Add	27.28	
		For Elevated Installation >30' To 35', Add	31.18	
		For Elevated Installation >35' To 40', Add	38.98	
		For Elevated Installation >40', Add	42.87	
		For Work In Restricted Working Space, Add	23.39	
26 05 33 13-1063	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	447.36	43.85
		For Elevated Installation >10' To 15', Add	8.77	
		For Elevated Installation >15' To 20', Add	17.54	
		For Elevated Installation >20' To 25', Add	21.92	
		For Elevated Installation >25' To 30', Add	30.69	
		For Elevated Installation >30' To 35', Add	35.08	
		For Elevated Installation >35' To 40', Add	43.85	
		For Elevated Installation >40', Add	48.23	
		For Work In Restricted Working Space, Add	26.31	
26 05 33 13-1064	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	623.12	51.16
		For Elevated Installation >10' To 15', Add	10.23	
		For Elevated Installation >15' To 20', Add	20.46	
		For Elevated Installation >20' To 25', Add	25.58	
		For Elevated Installation >25' To 30', Add	35.81	
		For Elevated Installation >30' To 35', Add	40.93	
		For Elevated Installation >35' To 40', Add	51.16	
		For Elevated Installation >40', Add	56.28	
		For Work In Restricted Working Space, Add	30.70	
26 05 33 13-1065	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	756.72	58.46
		For Elevated Installation >10' To 15', Add	11.69	
		For Elevated Installation >15' To 20', Add	23.39	
		For Elevated Installation >20' To 25', Add	29.23	
		For Elevated Installation >25' To 30', Add	40.93	
		For Elevated Installation >30' To 35', Add	46.77	
		For Elevated Installation >35' To 40', Add	58.47	
		For Elevated Installation >40', Add	64.31	
		For Work In Restricted Working Space, Add	35.08	
26 05 33 13-1066	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,211.18	92.57
		For Elevated Installation >10' To 15', Add	18.51	
		For Elevated Installation >15' To 20', Add	37.03	
		For Elevated Installation >20' To 25', Add	46.28	
		For Elevated Installation >25' To 30', Add	64.80	
		For Elevated Installation >30' To 35', Add	74.05	
		For Elevated Installation >35' To 40', Add	92.57	
		For Elevated Installation >40', Add	101.82	
		For Work In Restricted Working Space, Add	55.54	
26 05 33 13-1067	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,655.07	141.29
		For Elevated Installation >10' To 15', Add	28.26	
		For Elevated Installation >15' To 20', Add	56.52	
		For Elevated Installation >20' To 25', Add	70.65	
		For Elevated Installation >25' To 30', Add	98.90	
		For Elevated Installation >30' To 35', Add	113.03	
		For Elevated Installation >35' To 40', Add	141.29	
		For Elevated Installation >40', Add	155.42	
		For Work In Restricted Working Space, Add	84.77	
26 05 33 13-1068		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbows <small>(26 05 33 13-0802)</small>		
26 05 33 13-1069	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	173.81	30.40
		For Elevated Installation >10' To 15', Add	6.08	
		For Elevated Installation >15' To 20', Add	12.16	
		For Elevated Installation >20' To 25', Add	15.20	
		For Elevated Installation >25' To 30', Add	21.28	
		For Elevated Installation >30' To 35', Add	24.32	
		For Elevated Installation >35' To 40', Add	30.41	
		For Elevated Installation >40', Add	33.45	
		For Work In Restricted Working Space, Add	18.24	
26 05 33 13-1070	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	205.56	33.57
		For Elevated Installation >10' To 15', Add	6.71	
		For Elevated Installation >15' To 20', Add	13.43	
		For Elevated Installation >20' To 25', Add	16.78	
		For Elevated Installation >25' To 30', Add	23.50	
		For Elevated Installation >30' To 35', Add	26.85	
		For Elevated Installation >35' To 40', Add	33.57	
		For Elevated Installation >40', Add	36.92	
		For Work In Restricted Working Space, Add	20.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1071 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	226.71	39.91
For Elevated Installation >10' To 15', Add	7.98	
For Elevated Installation >15' To 20', Add	15.96	
For Elevated Installation >20' To 25', Add	19.95	
For Elevated Installation >25' To 30', Add	27.93	
For Elevated Installation >30' To 35', Add	31.92	
For Elevated Installation >35' To 40', Add	39.90	
For Elevated Installation >40', Add	43.89	
For Work In Restricted Working Space, Add	23.94	
26 05 33 13-1072 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	326.25	46.23
For Elevated Installation >10' To 15', Add	9.25	
For Elevated Installation >15' To 20', Add	18.49	
For Elevated Installation >20' To 25', Add	23.12	
For Elevated Installation >25' To 30', Add	32.36	
For Elevated Installation >30' To 35', Add	36.99	
For Elevated Installation >35' To 40', Add	46.24	
For Elevated Installation >40', Add	50.86	
For Work In Restricted Working Space, Add	27.74	
26 05 33 13-1073 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	430.76	50.67
For Elevated Installation >10' To 15', Add	10.13	
For Elevated Installation >15' To 20', Add	20.27	
For Elevated Installation >20' To 25', Add	25.34	
For Elevated Installation >25' To 30', Add	35.47	
For Elevated Installation >30' To 35', Add	40.54	
For Elevated Installation >35' To 40', Add	50.67	
For Elevated Installation >40', Add	55.74	
For Work In Restricted Working Space, Add	30.40	
26 05 33 13-1074 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	464.71	60.81
For Elevated Installation >10' To 15', Add	12.16	
For Elevated Installation >15' To 20', Add	24.32	
For Elevated Installation >20' To 25', Add	30.40	
For Elevated Installation >25' To 30', Add	42.56	
For Elevated Installation >30' To 35', Add	48.64	
For Elevated Installation >35' To 40', Add	60.80	
For Elevated Installation >40', Add	66.88	
For Work In Restricted Working Space, Add	36.48	
26 05 33 13-1075 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,100.01	84.23
For Elevated Installation >10' To 15', Add	16.85	
For Elevated Installation >15' To 20', Add	33.70	
For Elevated Installation >20' To 25', Add	42.12	
For Elevated Installation >25' To 30', Add	58.97	
For Elevated Installation >30' To 35', Add	67.39	
For Elevated Installation >35' To 40', Add	84.24	
For Elevated Installation >40', Add	92.66	
For Work In Restricted Working Space, Add	50.54	
26 05 33 13-1076 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,159.77	114.00
For Elevated Installation >10' To 15', Add	22.80	
For Elevated Installation >15' To 20', Add	45.60	
For Elevated Installation >20' To 25', Add	57.01	
For Elevated Installation >25' To 30', Add	79.81	
For Elevated Installation >30' To 35', Add	91.21	
For Elevated Installation >35' To 40', Add	114.01	
For Elevated Installation >40', Add	125.41	
For Work In Restricted Working Space, Add	68.41	
26 05 33 13-1077 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,898.97	142.50
For Elevated Installation >10' To 15', Add	28.50	
For Elevated Installation >15' To 20', Add	57.00	
For Elevated Installation >20' To 25', Add	71.26	
For Elevated Installation >25' To 30', Add	99.76	
For Elevated Installation >30' To 35', Add	114.01	
For Elevated Installation >35' To 40', Add	142.51	
For Elevated Installation >40', Add	156.76	
For Work In Restricted Working Space, Add	85.51	
26 05 33 13-1078 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,976.70	173.54
For Elevated Installation >10' To 15', Add	34.71	
For Elevated Installation >15' To 20', Add	69.42	
For Elevated Installation >20' To 25', Add	86.78	
For Elevated Installation >25' To 30', Add	121.49	
For Elevated Installation >30' To 35', Add	138.84	
For Elevated Installation >35' To 40', Add	173.55	
For Elevated Installation >40', Add	190.91	
For Work In Restricted Working Space, Add	104.13	
26 05 33 13-1079 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbows (26 05 33 13-0802)		
26 05 33 13-1080 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	254.23	30.40
For Elevated Installation >10' To 15', Add	6.08	
For Elevated Installation >15' To 20', Add	12.16	
For Elevated Installation >20' To 25', Add	15.20	
For Elevated Installation >25' To 30', Add	21.28	
For Elevated Installation >30' To 35', Add	24.32	
For Elevated Installation >35' To 40', Add	30.41	
For Elevated Installation >40', Add	33.45	
For Work In Restricted Working Space, Add	18.24	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1081	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	289.60	34.83
		For Elevated Installation >10' To 15', Add	6.97	
		For Elevated Installation >15' To 20', Add	13.93	
		For Elevated Installation >20' To 25', Add	17.42	
		For Elevated Installation >25' To 30', Add	24.38	
		For Elevated Installation >30' To 35', Add	27.87	
		For Elevated Installation >35' To 40', Add	34.84	
		For Elevated Installation >40', Add	38.32	
		For Work In Restricted Working Space, Add	20.90	
26 05 33 13-1082	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	572.68	39.91
		For Elevated Installation >10' To 15', Add	7.98	
		For Elevated Installation >15' To 20', Add	15.96	
		For Elevated Installation >20' To 25', Add	19.95	
		For Elevated Installation >25' To 30', Add	27.93	
		For Elevated Installation >30' To 35', Add	31.92	
		For Elevated Installation >35' To 40', Add	39.90	
		For Elevated Installation >40', Add	43.89	
		For Work In Restricted Working Space, Add	23.94	
26 05 33 13-1083	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	600.57	46.23
		For Elevated Installation >10' To 15', Add	9.25	
		For Elevated Installation >15' To 20', Add	18.49	
		For Elevated Installation >20' To 25', Add	23.12	
		For Elevated Installation >25' To 30', Add	32.36	
		For Elevated Installation >30' To 35', Add	36.99	
		For Elevated Installation >35' To 40', Add	46.24	
		For Elevated Installation >40', Add	50.86	
		For Work In Restricted Working Space, Add	27.74	
26 05 33 13-1084	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	821.53	50.67
		For Elevated Installation >10' To 15', Add	10.13	
		For Elevated Installation >15' To 20', Add	20.27	
		For Elevated Installation >20' To 25', Add	25.34	
		For Elevated Installation >25' To 30', Add	35.47	
		For Elevated Installation >30' To 35', Add	40.54	
		For Elevated Installation >35' To 40', Add	50.67	
		For Elevated Installation >40', Add	55.74	
		For Work In Restricted Working Space, Add	30.40	
26 05 33 13-1085	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	875.95	60.81
		For Elevated Installation >10' To 15', Add	12.16	
		For Elevated Installation >15' To 20', Add	24.32	
		For Elevated Installation >20' To 25', Add	30.40	
		For Elevated Installation >25' To 30', Add	42.56	
		For Elevated Installation >30' To 35', Add	48.64	
		For Elevated Installation >35' To 40', Add	60.80	
		For Elevated Installation >40', Add	66.88	
		For Work In Restricted Working Space, Add	36.48	
26 05 33 13-1086	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	1,685.71	85.51
		For Elevated Installation >10' To 15', Add	17.10	
		For Elevated Installation >15' To 20', Add	34.20	
		For Elevated Installation >20' To 25', Add	42.75	
		For Elevated Installation >25' To 30', Add	59.85	
		For Elevated Installation >30' To 35', Add	68.40	
		For Elevated Installation >35' To 40', Add	85.50	
		For Elevated Installation >40', Add	94.05	
		For Work In Restricted Working Space, Add	51.30	
26 05 33 13-1087	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	1,772.66	114.00
		For Elevated Installation >10' To 15', Add	22.80	
		For Elevated Installation >15' To 20', Add	45.60	
		For Elevated Installation >20' To 25', Add	57.00	
		For Elevated Installation >25' To 30', Add	79.80	
		For Elevated Installation >30' To 35', Add	91.20	
		For Elevated Installation >35' To 40', Add	114.01	
		For Elevated Installation >40', Add	125.41	
		For Work In Restricted Working Space, Add	68.40	
26 05 33 13-1088	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	2,598.07	142.50
		For Elevated Installation >10' To 15', Add	28.50	
		For Elevated Installation >15' To 20', Add	57.00	
		For Elevated Installation >20' To 25', Add	71.25	
		For Elevated Installation >25' To 30', Add	99.75	
		For Elevated Installation >30' To 35', Add	114.00	
		For Elevated Installation >35' To 40', Add	142.51	
		For Elevated Installation >40', Add	156.76	
		For Work In Restricted Working Space, Add	85.50	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1089	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	2,941.32	173.54
		For Elevated Installation >10' To 15', Add	34.71	
		For Elevated Installation >15' To 20', Add	69.42	
		For Elevated Installation >20' To 25', Add	86.77	
		For Elevated Installation >25' To 30', Add	121.48	
		For Elevated Installation >30' To 35', Add	138.83	
		For Elevated Installation >35' To 40', Add	173.54	
		For Elevated Installation >40', Add	190.89	
		For Work In Restricted Working Space, Add	104.12	
26 05 33 13-1090		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbows (26 05 33 13-0802)		
26 05 33 13-1091	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	97.32	15.84
		For Elevated Installation >10' To 15', Add	3.17	
		For Elevated Installation >15' To 20', Add	6.33	
		For Elevated Installation >20' To 25', Add	7.92	
		For Elevated Installation >25' To 30', Add	11.08	
		For Elevated Installation >30' To 35', Add	12.67	
		For Elevated Installation >35' To 40', Add	15.84	
		For Elevated Installation >40', Add	17.42	
		For Work In Restricted Working Space, Add	9.50	
26 05 33 13-1092	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	113.18	19.64
		For Elevated Installation >10' To 15', Add	3.93	
		For Elevated Installation >15' To 20', Add	7.85	
		For Elevated Installation >20' To 25', Add	9.82	
		For Elevated Installation >25' To 30', Add	13.74	
		For Elevated Installation >30' To 35', Add	15.70	
		For Elevated Installation >35' To 40', Add	19.63	
		For Elevated Installation >40', Add	21.59	
		For Work In Restricted Working Space, Add	11.78	
26 05 33 13-1093	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	134.82	24.07
		For Elevated Installation >10' To 15', Add	4.81	
		For Elevated Installation >15' To 20', Add	9.63	
		For Elevated Installation >20' To 25', Add	12.04	
		For Elevated Installation >25' To 30', Add	16.85	
		For Elevated Installation >30' To 35', Add	19.26	
		For Elevated Installation >35' To 40', Add	24.07	
		For Elevated Installation >40', Add	26.48	
		For Work In Restricted Working Space, Add	14.44	
26 05 33 13-1094	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	159.16	27.87
		For Elevated Installation >10' To 15', Add	5.57	
		For Elevated Installation >15' To 20', Add	11.15	
		For Elevated Installation >20' To 25', Add	13.93	
		For Elevated Installation >25' To 30', Add	19.51	
		For Elevated Installation >30' To 35', Add	22.29	
		For Elevated Installation >35' To 40', Add	27.87	
		For Elevated Installation >40', Add	30.65	
		For Work In Restricted Working Space, Add	16.72	
26 05 33 13-1095		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbows (26 05 33 13-0802)		
26 05 33 13-1096	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	76.37	15.84
		For Elevated Installation >10' To 15', Add	3.17	
		For Elevated Installation >15' To 20', Add	6.33	
		For Elevated Installation >20' To 25', Add	7.92	
		For Elevated Installation >25' To 30', Add	11.08	
		For Elevated Installation >30' To 35', Add	12.67	
		For Elevated Installation >35' To 40', Add	15.84	
		For Elevated Installation >40', Add	17.42	
		For Work In Restricted Working Space, Add	9.50	
26 05 33 13-1097	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	88.04	19.64
		For Elevated Installation >10' To 15', Add	3.93	
		For Elevated Installation >15' To 20', Add	7.85	
		For Elevated Installation >20' To 25', Add	9.82	
		For Elevated Installation >25' To 30', Add	13.74	
		For Elevated Installation >30' To 35', Add	15.70	
		For Elevated Installation >35' To 40', Add	19.63	
		For Elevated Installation >40', Add	21.59	
		For Work In Restricted Working Space, Add	11.78	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1098	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	122.57	24.07
		For Elevated Installation >10' To 15', Add	4.81	
		For Elevated Installation >15' To 20', Add	9.63	
		For Elevated Installation >20' To 25', Add	12.04	
		For Elevated Installation >25' To 30', Add	16.85	
		For Elevated Installation >30' To 35', Add	19.26	
		For Elevated Installation >35' To 40', Add	24.07	
		For Elevated Installation >40', Add	26.48	
		For Work In Restricted Working Space, Add	14.44	
26 05 33 13-1099	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	159.26	27.87
		For Elevated Installation >10' To 15', Add	5.57	
		For Elevated Installation >15' To 20', Add	11.15	
		For Elevated Installation >20' To 25', Add	13.93	
		For Elevated Installation >25' To 30', Add	19.51	
		For Elevated Installation >30' To 35', Add	22.29	
		For Elevated Installation >35' To 40', Add	27.87	
		For Elevated Installation >40', Add	30.65	
		For Work In Restricted Working Space, Add	16.72	
26 05 33 13-1100	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	194.26	31.67
		For Elevated Installation >10' To 15', Add	6.33	
		For Elevated Installation >15' To 20', Add	12.67	
		For Elevated Installation >20' To 25', Add	15.83	
		For Elevated Installation >25' To 30', Add	22.17	
		For Elevated Installation >30' To 35', Add	25.33	
		For Elevated Installation >35' To 40', Add	31.67	
		For Elevated Installation >40', Add	34.83	
		For Work In Restricted Working Space, Add	19.00	
26 05 33 13-1101	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	280.18	34.83
		For Elevated Installation >10' To 15', Add	6.97	
		For Elevated Installation >15' To 20', Add	13.93	
		For Elevated Installation >20' To 25', Add	17.42	
		For Elevated Installation >25' To 30', Add	24.38	
		For Elevated Installation >30' To 35', Add	27.87	
		For Elevated Installation >35' To 40', Add	34.84	
		For Elevated Installation >40', Add	38.32	
		For Work In Restricted Working Space, Add	20.90	
26 05 33 13-1102	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	383.19	43.71
		For Elevated Installation >10' To 15', Add	8.74	
		For Elevated Installation >15' To 20', Add	17.48	
		For Elevated Installation >20' To 25', Add	21.85	
		For Elevated Installation >25' To 30', Add	30.59	
		For Elevated Installation >30' To 35', Add	34.96	
		For Elevated Installation >35' To 40', Add	43.70	
		For Elevated Installation >40', Add	48.07	
		For Work In Restricted Working Space, Add	26.22	
26 05 33 13-1103		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbows (26 05 33 13-0802)		
26 05 33 13-1104	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	97.37	15.84
		For Elevated Installation >10' To 15', Add	3.17	
		For Elevated Installation >15' To 20', Add	6.33	
		For Elevated Installation >20' To 25', Add	7.92	
		For Elevated Installation >25' To 30', Add	11.08	
		For Elevated Installation >30' To 35', Add	12.67	
		For Elevated Installation >35' To 40', Add	15.84	
		For Elevated Installation >40', Add	17.42	
		For Work In Restricted Working Space, Add	9.50	
26 05 33 13-1105	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	116.08	19.64
		For Elevated Installation >10' To 15', Add	3.93	
		For Elevated Installation >15' To 20', Add	7.85	
		For Elevated Installation >20' To 25', Add	9.82	
		For Elevated Installation >25' To 30', Add	13.74	
		For Elevated Installation >30' To 35', Add	15.70	
		For Elevated Installation >35' To 40', Add	19.63	
		For Elevated Installation >40', Add	21.59	
		For Work In Restricted Working Space, Add	11.78	
26 05 33 13-1106	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	134.84	24.07
		For Elevated Installation >10' To 15', Add	4.81	
		For Elevated Installation >15' To 20', Add	9.63	
		For Elevated Installation >20' To 25', Add	12.04	
		For Elevated Installation >25' To 30', Add	16.85	
		For Elevated Installation >30' To 35', Add	19.26	
		For Elevated Installation >35' To 40', Add	24.07	
		For Elevated Installation >40', Add	26.48	
		For Work In Restricted Working Space, Add	14.44	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1107	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	159.21	27.87
			For Elevated Installation >10' To 15', Add	5.57	
			For Elevated Installation >15' To 20', Add	11.15	
			For Elevated Installation >20' To 25', Add	13.93	
			For Elevated Installation >25' To 30', Add	19.51	
			For Elevated Installation >30' To 35', Add	22.29	
			For Elevated Installation >35' To 40', Add	27.87	
			For Elevated Installation >40', Add	30.65	
			For Work In Restricted Working Space, Add	16.72	
26 05 33 13-1108			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbows (26 05 33 13-0802)		
26 05 33 13-1109	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	76.45	15.84
			For Elevated Installation >10' To 15', Add	3.17	
			For Elevated Installation >15' To 20', Add	6.33	
			For Elevated Installation >20' To 25', Add	7.92	
			For Elevated Installation >25' To 30', Add	11.08	
			For Elevated Installation >30' To 35', Add	12.67	
			For Elevated Installation >35' To 40', Add	15.84	
			For Elevated Installation >40', Add	17.42	
			For Work In Restricted Working Space, Add	9.50	
26 05 33 13-1110	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	88.04	19.64
			For Elevated Installation >10' To 15', Add	3.93	
			For Elevated Installation >15' To 20', Add	7.85	
			For Elevated Installation >20' To 25', Add	9.82	
			For Elevated Installation >25' To 30', Add	13.74	
			For Elevated Installation >30' To 35', Add	15.70	
			For Elevated Installation >35' To 40', Add	19.63	
			For Elevated Installation >40', Add	21.59	
			For Work In Restricted Working Space, Add	11.78	
26 05 33 13-1111	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	113.89	24.07
			For Elevated Installation >10' To 15', Add	4.81	
			For Elevated Installation >15' To 20', Add	9.63	
			For Elevated Installation >20' To 25', Add	12.04	
			For Elevated Installation >25' To 30', Add	16.85	
			For Elevated Installation >30' To 35', Add	19.26	
			For Elevated Installation >35' To 40', Add	24.07	
			For Elevated Installation >40', Add	26.48	
			For Work In Restricted Working Space, Add	14.44	
26 05 33 13-1112	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	142.41	27.87
			For Elevated Installation >10' To 15', Add	5.57	
			For Elevated Installation >15' To 20', Add	11.15	
			For Elevated Installation >20' To 25', Add	13.93	
			For Elevated Installation >25' To 30', Add	19.51	
			For Elevated Installation >30' To 35', Add	22.29	
			For Elevated Installation >35' To 40', Add	27.87	
			For Elevated Installation >40', Add	30.65	
			For Work In Restricted Working Space, Add	16.72	
26 05 33 13-1113	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	166.81	31.67
			For Elevated Installation >10' To 15', Add	6.33	
			For Elevated Installation >15' To 20', Add	12.67	
			For Elevated Installation >20' To 25', Add	15.83	
			For Elevated Installation >25' To 30', Add	22.17	
			For Elevated Installation >30' To 35', Add	25.33	
			For Elevated Installation >35' To 40', Add	31.67	
			For Elevated Installation >40', Add	34.83	
			For Work In Restricted Working Space, Add	19.00	
26 05 33 13-1114	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	192.28	34.83
			For Elevated Installation >10' To 15', Add	6.97	
			For Elevated Installation >15' To 20', Add	13.93	
			For Elevated Installation >20' To 25', Add	17.42	
			For Elevated Installation >25' To 30', Add	24.38	
			For Elevated Installation >30' To 35', Add	27.87	
			For Elevated Installation >35' To 40', Add	34.84	
			For Elevated Installation >40', Add	38.32	
			For Work In Restricted Working Space, Add	20.90	
26 05 33 13-1115	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	360.78	43.71
			For Elevated Installation >10' To 15', Add	8.74	
			For Elevated Installation >15' To 20', Add	17.48	
			For Elevated Installation >20' To 25', Add	21.85	
			For Elevated Installation >25' To 30', Add	30.59	
			For Elevated Installation >30' To 35', Add	34.96	
			For Elevated Installation >35' To 40', Add	43.70	
			For Elevated Installation >40', Add	48.07	
			For Work In Restricted Working Space, Add	26.22	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
26 05 33 13-1116	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	.....	412.75	59.53
		For Elevated Installation >10' To 15', Add	.....	11.91	
		For Elevated Installation >15' To 20', Add	.....	23.81	
		For Elevated Installation >20' To 25', Add	.....	29.77	
		For Elevated Installation >25' To 30', Add	.....	41.67	
		For Elevated Installation >30' To 35', Add	.....	47.63	
		For Elevated Installation >35' To 40', Add	.....	59.54	
		For Elevated Installation >40', Add	.....	65.49	
		For Work In Restricted Working Space, Add	.....	35.72	
26 05 33 13-1117	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	.....	445.09	67.13
		For Elevated Installation >10' To 15', Add	.....	13.43	
		For Elevated Installation >15' To 20', Add	.....	26.85	
		For Elevated Installation >20' To 25', Add	.....	33.57	
		For Elevated Installation >25' To 30', Add	.....	46.99	
		For Elevated Installation >30' To 35', Add	.....	53.71	
		For Elevated Installation >35' To 40', Add	.....	67.14	
		For Elevated Installation >40', Add	.....	73.85	
		For Work In Restricted Working Space, Add	.....	40.28	
26 05 33 13-1118	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	.....	548.76	87.40
		For Elevated Installation >10' To 15', Add	.....	17.48	
		For Elevated Installation >15' To 20', Add	.....	34.96	
		For Elevated Installation >20' To 25', Add	.....	43.70	
		For Elevated Installation >25' To 30', Add	.....	61.18	
		For Elevated Installation >30' To 35', Add	.....	69.92	
		For Elevated Installation >35' To 40', Add	.....	87.40	
		For Elevated Installation >40', Add	.....	96.14	
		For Work In Restricted Working Space, Add	.....	52.44	
26 05 33 13-1119 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbows (26 05 33 13-0902)					
26 05 33 13-1120	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	.....	160.24	30.40
		For Elevated Installation >10' To 15', Add	.....	6.08	
		For Elevated Installation >15' To 20', Add	.....	12.16	
		For Elevated Installation >20' To 25', Add	.....	15.20	
		For Elevated Installation >25' To 30', Add	.....	21.28	
		For Elevated Installation >30' To 35', Add	.....	24.32	
		For Elevated Installation >35' To 40', Add	.....	30.41	
		For Elevated Installation >40', Add	.....	33.45	
		For Work In Restricted Working Space, Add	.....	18.24	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	18.24	
26 05 33 13-1121	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	.....	173.01	34.83
		For Elevated Installation >10' To 15', Add	.....	6.97	
		For Elevated Installation >15' To 20', Add	.....	13.93	
		For Elevated Installation >20' To 25', Add	.....	17.42	
		For Elevated Installation >25' To 30', Add	.....	24.38	
		For Elevated Installation >30' To 35', Add	.....	27.87	
		For Elevated Installation >35' To 40', Add	.....	34.84	
		For Elevated Installation >40', Add	.....	38.32	
		For Work In Restricted Working Space, Add	.....	20.90	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	20.90	
26 05 33 13-1122	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	.....	189.25	39.91
		For Elevated Installation >10' To 15', Add	.....	7.98	
		For Elevated Installation >15' To 20', Add	.....	15.96	
		For Elevated Installation >20' To 25', Add	.....	19.95	
		For Elevated Installation >25' To 30', Add	.....	27.93	
		For Elevated Installation >30' To 35', Add	.....	31.92	
		For Elevated Installation >35' To 40', Add	.....	39.90	
		For Elevated Installation >40', Add	.....	43.89	
		For Work In Restricted Working Space, Add	.....	23.94	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	23.94	
26 05 33 13-1123	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	.....	254.75	46.23
		For Elevated Installation >10' To 15', Add	.....	9.25	
		For Elevated Installation >15' To 20', Add	.....	18.49	
		For Elevated Installation >20' To 25', Add	.....	23.12	
		For Elevated Installation >25' To 30', Add	.....	32.36	
		For Elevated Installation >30' To 35', Add	.....	36.99	
		For Elevated Installation >35' To 40', Add	.....	46.24	
		For Elevated Installation >40', Add	.....	50.86	
		For Work In Restricted Working Space, Add	.....	27.74	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	27.74	
26 05 33 13-1124	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	.....	324.77	50.67
		For Elevated Installation >10' To 15', Add	.....	10.13	
		For Elevated Installation >15' To 20', Add	.....	20.27	
		For Elevated Installation >20' To 25', Add	.....	25.34	
		For Elevated Installation >25' To 30', Add	.....	35.47	
		For Elevated Installation >30' To 35', Add	.....	40.54	
		For Elevated Installation >35' To 40', Add	.....	50.67	
		For Elevated Installation >40', Add	.....	55.74	
		For Work In Restricted Working Space, Add	.....	30.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	30.40	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1125			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0802)</small>		
26 05 33 13-1126	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	193.44	30.40
			For Elevated Installation >10' To 15', Add	6.08	
			For Elevated Installation >15' To 20', Add	12.16	
			For Elevated Installation >20' To 25', Add	15.20	
			For Elevated Installation >25' To 30', Add	21.28	
			For Elevated Installation >30' To 35', Add	24.32	
			For Elevated Installation >35' To 40', Add	30.41	
			For Elevated Installation >40', Add	33.45	
			For Work In Restricted Working Space, Add	18.24	
26 05 33 13-1127	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	208.24	34.83
			For Elevated Installation >10' To 15', Add	6.97	
			For Elevated Installation >15' To 20', Add	13.93	
			For Elevated Installation >20' To 25', Add	17.42	
			For Elevated Installation >25' To 30', Add	24.38	
			For Elevated Installation >30' To 35', Add	27.87	
			For Elevated Installation >35' To 40', Add	34.84	
			For Elevated Installation >40', Add	38.32	
			For Work In Restricted Working Space, Add	20.90	
26 05 33 13-1128	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	243.47	39.91
			For Elevated Installation >10' To 15', Add	7.98	
			For Elevated Installation >15' To 20', Add	15.96	
			For Elevated Installation >20' To 25', Add	19.95	
			For Elevated Installation >25' To 30', Add	27.93	
			For Elevated Installation >30' To 35', Add	31.92	
			For Elevated Installation >35' To 40', Add	39.90	
			For Elevated Installation >40', Add	43.89	
			For Work In Restricted Working Space, Add	23.94	
26 05 33 13-1129	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	348.86	46.23
			For Elevated Installation >10' To 15', Add	9.25	
			For Elevated Installation >15' To 20', Add	18.49	
			For Elevated Installation >20' To 25', Add	23.12	
			For Elevated Installation >25' To 30', Add	32.36	
			For Elevated Installation >30' To 35', Add	36.99	
			For Elevated Installation >35' To 40', Add	46.24	
			For Elevated Installation >40', Add	50.86	
			For Work In Restricted Working Space, Add	27.74	
26 05 33 13-1130	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	568.62	50.67
			For Elevated Installation >10' To 15', Add	10.13	
			For Elevated Installation >15' To 20', Add	20.27	
			For Elevated Installation >20' To 25', Add	25.34	
			For Elevated Installation >25' To 30', Add	35.47	
			For Elevated Installation >30' To 35', Add	40.54	
			For Elevated Installation >35' To 40', Add	50.67	
			For Elevated Installation >40', Add	55.74	
			For Work In Restricted Working Space, Add	30.40	
26 05 33 13-1131	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	613.93	60.81
			For Elevated Installation >10' To 15', Add	12.16	
			For Elevated Installation >15' To 20', Add	24.32	
			For Elevated Installation >20' To 25', Add	30.40	
			For Elevated Installation >25' To 30', Add	42.56	
			For Elevated Installation >30' To 35', Add	48.64	
			For Elevated Installation >35' To 40', Add	60.80	
			For Elevated Installation >40', Add	66.88	
			For Work In Restricted Working Space, Add	36.48	
26 05 33 13-1132			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0802)</small>		
26 05 33 13-1133	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	212.28	30.40
			For Elevated Installation >10' To 15', Add	6.08	
			For Elevated Installation >15' To 20', Add	12.16	
			For Elevated Installation >20' To 25', Add	15.20	
			For Elevated Installation >25' To 30', Add	21.28	
			For Elevated Installation >30' To 35', Add	24.32	
			For Elevated Installation >35' To 40', Add	30.41	
			For Elevated Installation >40', Add	33.45	
			For Work In Restricted Working Space, Add	18.24	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1134	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	239.67	34.83
			For Elevated Installation >10' To 15', Add	6.97	
			For Elevated Installation >15' To 20', Add	13.93	
			For Elevated Installation >20' To 25', Add	17.42	
			For Elevated Installation >25' To 30', Add	24.38	
			For Elevated Installation >30' To 35', Add	27.87	
			For Elevated Installation >35' To 40', Add	34.84	
			For Elevated Installation >40', Add	38.32	
			For Work In Restricted Working Space, Add	20.90	
26 05 33 13-1135	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	261.40	39.91
			For Elevated Installation >10' To 15', Add	7.98	
			For Elevated Installation >15' To 20', Add	15.96	
			For Elevated Installation >20' To 25', Add	19.95	
			For Elevated Installation >25' To 30', Add	27.93	
			For Elevated Installation >30' To 35', Add	31.92	
			For Elevated Installation >35' To 40', Add	39.90	
			For Elevated Installation >40', Add	43.89	
			For Work In Restricted Working Space, Add	23.94	
26 05 33 13-1136	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	367.07	46.23
			For Elevated Installation >10' To 15', Add	9.25	
			For Elevated Installation >15' To 20', Add	18.49	
			For Elevated Installation >20' To 25', Add	23.12	
			For Elevated Installation >25' To 30', Add	32.36	
			For Elevated Installation >30' To 35', Add	36.99	
			For Elevated Installation >35' To 40', Add	46.24	
			For Elevated Installation >40', Add	50.86	
			For Work In Restricted Working Space, Add	27.74	
26 05 33 13-1137	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	612.08	50.67
			For Elevated Installation >10' To 15', Add	10.13	
			For Elevated Installation >15' To 20', Add	20.27	
			For Elevated Installation >20' To 25', Add	25.34	
			For Elevated Installation >25' To 30', Add	35.47	
			For Elevated Installation >30' To 35', Add	40.54	
			For Elevated Installation >35' To 40', Add	50.67	
			For Elevated Installation >40', Add	55.74	
			For Work In Restricted Working Space, Add	30.40	
26 05 33 13-1138	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	653.81	60.81
			For Elevated Installation >10' To 15', Add	12.16	
			For Elevated Installation >15' To 20', Add	24.32	
			For Elevated Installation >20' To 25', Add	30.40	
			For Elevated Installation >25' To 30', Add	42.56	
			For Elevated Installation >30' To 35', Add	48.64	
			For Elevated Installation >35' To 40', Add	60.80	
			For Elevated Installation >40', Add	66.88	
			For Work In Restricted Working Space, Add	36.48	
26 05 33 13-1139			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Boxes With Cast Iron Cover (26 05 33 13-0802)		
26 05 33 13-1140	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	212.42	30.40
			For Elevated Installation >10' To 15', Add	6.08	
			For Elevated Installation >15' To 20', Add	12.16	
			For Elevated Installation >20' To 25', Add	15.20	
			For Elevated Installation >25' To 30', Add	21.28	
			For Elevated Installation >30' To 35', Add	24.32	
			For Elevated Installation >35' To 40', Add	30.41	
			For Elevated Installation >40', Add	33.45	
			For Work In Restricted Working Space, Add	18.24	
26 05 33 13-1141	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	234.11	34.83
			For Elevated Installation >10' To 15', Add	6.97	
			For Elevated Installation >15' To 20', Add	13.93	
			For Elevated Installation >20' To 25', Add	17.42	
			For Elevated Installation >25' To 30', Add	24.38	
			For Elevated Installation >30' To 35', Add	27.87	
			For Elevated Installation >35' To 40', Add	34.84	
			For Elevated Installation >40', Add	38.32	
			For Work In Restricted Working Space, Add	20.90	
26 05 33 13-1142	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	278.71	39.91
			For Elevated Installation >10' To 15', Add	7.98	
			For Elevated Installation >15' To 20', Add	15.96	
			For Elevated Installation >20' To 25', Add	19.95	
			For Elevated Installation >25' To 30', Add	27.93	
			For Elevated Installation >30' To 35', Add	31.92	
			For Elevated Installation >35' To 40', Add	39.90	
			For Elevated Installation >40', Add	43.89	
			For Work In Restricted Working Space, Add	23.94	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1143	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	380.95	46.23
		For Elevated Installation >10' To 15', Add	9.25	
		For Elevated Installation >15' To 20', Add	18.49	
		For Elevated Installation >20' To 25', Add	23.12	
		For Elevated Installation >25' To 30', Add	32.36	
		For Elevated Installation >30' To 35', Add	36.99	
		For Elevated Installation >35' To 40', Add	46.24	
		For Elevated Installation >40', Add	50.86	
		For Work In Restricted Working Space, Add	27.74	
26 05 33 13-1144	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	632.79	50.67
		For Elevated Installation >10' To 15', Add	10.13	
		For Elevated Installation >15' To 20', Add	20.27	
		For Elevated Installation >20' To 25', Add	25.34	
		For Elevated Installation >25' To 30', Add	35.47	
		For Elevated Installation >30' To 35', Add	40.54	
		For Elevated Installation >35' To 40', Add	50.67	
		For Elevated Installation >40', Add	55.74	
		For Work In Restricted Working Space, Add	30.40	
26 05 33 13-1145	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	679.34	60.81
		For Elevated Installation >10' To 15', Add	12.16	
		For Elevated Installation >15' To 20', Add	24.32	
		For Elevated Installation >20' To 25', Add	30.40	
		For Elevated Installation >25' To 30', Add	42.56	
		For Elevated Installation >30' To 35', Add	48.64	
		For Elevated Installation >35' To 40', Add	60.80	
		For Elevated Installation >40', Add	66.88	
		For Work In Restricted Working Space, Add	36.48	
26 05 33 13-1146		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Boxes With Cast Iron Cover (26 05 33 13-0802)		
26 05 33 13-1147	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	264.58	30.40
		For Elevated Installation >10' To 15', Add	6.08	
		For Elevated Installation >15' To 20', Add	12.16	
		For Elevated Installation >20' To 25', Add	15.20	
		For Elevated Installation >25' To 30', Add	21.28	
		For Elevated Installation >30' To 35', Add	24.32	
		For Elevated Installation >35' To 40', Add	30.41	
		For Elevated Installation >40', Add	33.45	
		For Work In Restricted Working Space, Add	18.24	
26 05 33 13-1148	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	292.09	34.83
		For Elevated Installation >10' To 15', Add	6.97	
		For Elevated Installation >15' To 20', Add	13.93	
		For Elevated Installation >20' To 25', Add	17.42	
		For Elevated Installation >25' To 30', Add	24.38	
		For Elevated Installation >30' To 35', Add	27.87	
		For Elevated Installation >35' To 40', Add	34.84	
		For Elevated Installation >40', Add	38.32	
		For Work In Restricted Working Space, Add	20.90	
26 05 33 13-1149	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	316.41	39.91
		For Elevated Installation >10' To 15', Add	7.98	
		For Elevated Installation >15' To 20', Add	15.96	
		For Elevated Installation >20' To 25', Add	19.95	
		For Elevated Installation >25' To 30', Add	27.93	
		For Elevated Installation >30' To 35', Add	31.92	
		For Elevated Installation >35' To 40', Add	39.90	
		For Elevated Installation >40', Add	43.89	
		For Work In Restricted Working Space, Add	23.94	
26 05 33 13-1150	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	802.50	46.23
		For Elevated Installation >10' To 15', Add	9.25	
		For Elevated Installation >15' To 20', Add	18.49	
		For Elevated Installation >20' To 25', Add	23.12	
		For Elevated Installation >25' To 30', Add	32.36	
		For Elevated Installation >30' To 35', Add	36.99	
		For Elevated Installation >35' To 40', Add	46.24	
		For Elevated Installation >40', Add	50.86	
		For Work In Restricted Working Space, Add	27.74	
26 05 33 13-1151		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Boxes (26 05 33 13-0802) Note: Excludes cover.		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1152 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box .....125.51		30.40
For Elevated Installation >10' To 15', Add	6.08	
For Elevated Installation >15' To 20', Add	12.16	
For Elevated Installation >20' To 25', Add	15.20	
For Elevated Installation >25' To 30', Add	21.28	
For Elevated Installation >30' To 35', Add	24.32	
For Elevated Installation >35' To 40', Add	30.41	
For Elevated Installation >40', Add	33.45	
For Work In Restricted Working Space, Add	18.24	
26 05 33 13-1153 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box .....137.87		34.83
For Elevated Installation >10' To 15', Add	6.97	
For Elevated Installation >15' To 20', Add	13.93	
For Elevated Installation >20' To 25', Add	17.42	
For Elevated Installation >25' To 30', Add	24.38	
For Elevated Installation >30' To 35', Add	27.87	
For Elevated Installation >35' To 40', Add	34.84	
For Elevated Installation >40', Add	38.32	
For Work In Restricted Working Space, Add	20.90	
26 05 33 13-1154 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box .....153.84		39.91
For Elevated Installation >10' To 15', Add	7.98	
For Elevated Installation >15' To 20', Add	15.96	
For Elevated Installation >20' To 25', Add	19.95	
For Elevated Installation >25' To 30', Add	27.93	
For Elevated Installation >30' To 35', Add	31.92	
For Elevated Installation >35' To 40', Add	39.90	
For Elevated Installation >40', Add	43.89	
For Work In Restricted Working Space, Add	23.94	
26 05 33 13-1155 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box .....139.65		30.40
For Elevated Installation >10' To 15', Add	6.08	
For Elevated Installation >15' To 20', Add	12.16	
For Elevated Installation >20' To 25', Add	15.20	
For Elevated Installation >25' To 30', Add	21.28	
For Elevated Installation >30' To 35', Add	24.32	
For Elevated Installation >35' To 40', Add	30.41	
For Elevated Installation >40', Add	33.45	
For Work In Restricted Working Space, Add	18.24	
26 05 33 13-1156 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box .....150.23		34.83
For Elevated Installation >10' To 15', Add	6.97	
For Elevated Installation >15' To 20', Add	13.93	
For Elevated Installation >20' To 25', Add	17.42	
For Elevated Installation >25' To 30', Add	24.38	
For Elevated Installation >30' To 35', Add	27.87	
For Elevated Installation >35' To 40', Add	34.84	
For Elevated Installation >40', Add	38.32	
For Work In Restricted Working Space, Add	20.90	
26 05 33 13-1157 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box .....171.03		39.91
For Elevated Installation >10' To 15', Add	7.98	
For Elevated Installation >15' To 20', Add	15.96	
For Elevated Installation >20' To 25', Add	19.95	
For Elevated Installation >25' To 30', Add	27.93	
For Elevated Installation >30' To 35', Add	31.92	
For Elevated Installation >35' To 40', Add	39.90	
For Elevated Installation >40', Add	43.89	
For Work In Restricted Working Space, Add	23.94	
26 05 33 13-1158 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Boxes (26 05 33 13-0802)		
Note: Excludes cover.		
26 05 33 13-1159 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box .....132.19		30.40
For Elevated Installation >10' To 15', Add	6.08	
For Elevated Installation >15' To 20', Add	12.16	
For Elevated Installation >20' To 25', Add	15.20	
For Elevated Installation >25' To 30', Add	21.28	
For Elevated Installation >30' To 35', Add	24.32	
For Elevated Installation >35' To 40', Add	30.41	
For Elevated Installation >40', Add	33.45	
For Work In Restricted Working Space, Add	18.24	
26 05 33 13-1160 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box .....145.39		34.83
For Elevated Installation >10' To 15', Add	6.97	
For Elevated Installation >15' To 20', Add	13.93	
For Elevated Installation >20' To 25', Add	17.42	
For Elevated Installation >25' To 30', Add	24.38	
For Elevated Installation >30' To 35', Add	27.87	
For Elevated Installation >35' To 40', Add	34.84	
For Elevated Installation >40', Add	38.32	
For Work In Restricted Working Space, Add	20.90	
26 05 33 13-1161 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box .....159.05		39.91
For Elevated Installation >10' To 15', Add	7.98	
For Elevated Installation >15' To 20', Add	15.96	
For Elevated Installation >20' To 25', Add	19.95	
For Elevated Installation >25' To 30', Add	27.93	
For Elevated Installation >30' To 35', Add	31.92	
For Elevated Installation >35' To 40', Add	39.90	
For Elevated Installation >40', Add	43.89	
For Work In Restricted Working Space, Add	23.94	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1162	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	149.21 6.08 12.16 15.20 21.28 24.32 30.41 33.45 18.24	30.40
26 05 33 13-1163	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	162.58 6.97 13.93 17.42 24.38 27.87 34.84 38.32 20.90	34.83
26 05 33 13-1164	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	183.74 7.98 15.96 19.95 27.93 31.92 39.90 43.89 23.94	39.91
26 05 33 13-1165 Polyvinyl Chloride (PVC) Coated, Urethane Lined, FS And FD Series Covers (26 05 33 13-0802)				
26 05 33 13-1166	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS23, FS And FD Series Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	47.63 0.76 1.52 1.90 2.66 3.04 3.80 4.18 2.28	3.80
26 05 33 13-1167	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS21G, FS And FD Series Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	64.86 0.89 1.77 2.22 3.10 3.55 4.44 4.88 2.66	4.43
26 05 33 13-1168	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS32G, FS And FD Series Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	61.20 0.89 1.77 2.22 3.10 3.55 4.44 4.88 2.66	4.43
26 05 33 13-1169	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS100G, FS And FD Series Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	54.34 0.89 1.77 2.22 3.10 3.55 4.44 4.88 2.66	4.43
26 05 33 13-1170	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRD1, FS And FD Series Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	266.76 1.27 2.53 3.17 4.43 5.07 6.34 6.97 3.80	6.34
26 05 33 13-1171	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLR1S1, FS And FD Series Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	237.03 1.27 2.53 3.17 4.43 5.07 6.34 6.97 3.80	6.34

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-1172	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Mogul Conduit Bodies (26 05 33 13-0802) Note: Includes covers.	
26 05 33 13-1173	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	274.87 39.91
	For Elevated Installation >10' To 15', Add	7.98
	For Elevated Installation >15' To 20', Add	15.96
	For Elevated Installation >20' To 25', Add	19.95
	For Elevated Installation >25' To 30', Add	27.93
	For Elevated Installation >30' To 35', Add	31.92
	For Elevated Installation >35' To 40', Add	39.90
	For Elevated Installation >40', Add	43.89
	For Work In Restricted Working Space, Add	23.94
26 05 33 13-1174	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	308.59 46.23
	For Elevated Installation >10' To 15', Add	9.25
	For Elevated Installation >15' To 20', Add	18.49
	For Elevated Installation >20' To 25', Add	23.12
	For Elevated Installation >25' To 30', Add	32.36
	For Elevated Installation >30' To 35', Add	36.99
	For Elevated Installation >35' To 40', Add	46.24
	For Elevated Installation >40', Add	50.86
	For Work In Restricted Working Space, Add	27.74
26 05 33 13-1175	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	427.60 50.67
	For Elevated Installation >10' To 15', Add	10.13
	For Elevated Installation >15' To 20', Add	20.27
	For Elevated Installation >20' To 25', Add	25.34
	For Elevated Installation >25' To 30', Add	35.47
	For Elevated Installation >30' To 35', Add	40.54
	For Elevated Installation >35' To 40', Add	50.67
	For Elevated Installation >40', Add	55.74
	For Work In Restricted Working Space, Add	30.40
26 05 33 13-1176	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	509.46 60.81
	For Elevated Installation >10' To 15', Add	12.16
	For Elevated Installation >15' To 20', Add	24.32
	For Elevated Installation >20' To 25', Add	30.40
	For Elevated Installation >25' To 30', Add	42.56
	For Elevated Installation >30' To 35', Add	48.64
	For Elevated Installation >35' To 40', Add	60.80
	For Elevated Installation >40', Add	66.88
	For Work In Restricted Working Space, Add	36.48
26 05 33 13-1177	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	736.27 85.51
	For Elevated Installation >10' To 15', Add	17.10
	For Elevated Installation >15' To 20', Add	34.20
	For Elevated Installation >20' To 25', Add	42.75
	For Elevated Installation >25' To 30', Add	59.85
	For Elevated Installation >30' To 35', Add	68.40
	For Elevated Installation >35' To 40', Add	85.50
	For Elevated Installation >40', Add	94.05
	For Work In Restricted Working Space, Add	51.30
26 05 33 13-1178	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	928.33 114.00
	For Elevated Installation >10' To 15', Add	22.80
	For Elevated Installation >15' To 20', Add	45.60
	For Elevated Installation >20' To 25', Add	57.00
	For Elevated Installation >25' To 30', Add	79.80
	For Elevated Installation >30' To 35', Add	91.20
	For Elevated Installation >35' To 40', Add	114.01
	For Elevated Installation >40', Add	125.41
	For Work In Restricted Working Space, Add	68.40
26 05 33 13-1179	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,363.58 142.50
	For Elevated Installation >10' To 15', Add	28.50
	For Elevated Installation >15' To 20', Add	57.00
	For Elevated Installation >20' To 25', Add	71.25
	For Elevated Installation >25' To 30', Add	99.75
	For Elevated Installation >30' To 35', Add	114.00
	For Elevated Installation >35' To 40', Add	142.51
	For Elevated Installation >40', Add	156.76
	For Work In Restricted Working Space, Add	85.50
26 05 33 13-1180	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,692.32 173.54
	For Elevated Installation >10' To 15', Add	34.71
	For Elevated Installation >15' To 20', Add	69.42
	For Elevated Installation >20' To 25', Add	86.77
	For Elevated Installation >25' To 30', Add	121.48
	For Elevated Installation >30' To 35', Add	138.83
	For Elevated Installation >35' To 40', Add	173.54
	For Elevated Installation >40', Add	190.89
	For Work In Restricted Working Space, Add	104.12
26 05 33 13-1181	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	274.87 39.91
	For Elevated Installation >10' To 15', Add	7.98
	For Elevated Installation >15' To 20', Add	15.96
	For Elevated Installation >20' To 25', Add	19.95
	For Elevated Installation >25' To 30', Add	27.93
	For Elevated Installation >30' To 35', Add	31.92
	For Elevated Installation >35' To 40', Add	39.90
	For Elevated Installation >40', Add	43.89
	For Work In Restricted Working Space, Add	23.94



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1182	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	308.59 9.25 18.49 23.12 32.36 36.99 46.24 50.86 27.74	46.23
26 05 33 13-1183	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	426.40 10.13 20.27 25.34 35.47 40.54 50.67 55.74 30.40	50.67
26 05 33 13-1184	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	497.36 12.16 24.32 30.40 42.56 48.64 60.80 66.88 36.48	60.81
26 05 33 13-1185	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	747.41 17.10 34.20 42.75 59.85 68.40 85.50 94.05 51.30	85.51
26 05 33 13-1186	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	978.33 22.80 45.60 57.00 79.80 91.20 114.01 125.41 68.40	114.00
26 05 33 13-1187	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	1,423.94 28.50 57.00 71.25 99.75 114.00 142.51 156.76 85.50	142.50
26 05 33 13-1188	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	1,729.90 34.71 69.42 86.77 121.48 138.83 173.54 190.89 104.12	173.54
26 05 33 13-1189	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	274.87 7.98 15.96 19.95 27.93 31.92 39.90 43.89 23.94	39.91
26 05 33 13-1190	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	308.59 9.25 18.49 23.12 32.36 36.99 46.24 50.86 27.74	46.23

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1191 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	426.40	50.67
For Elevated Installation >10' To 15', Add	10.13	
For Elevated Installation >15' To 20', Add	20.27	
For Elevated Installation >20' To 25', Add	25.34	
For Elevated Installation >25' To 30', Add	35.47	
For Elevated Installation >30' To 35', Add	40.54	
For Elevated Installation >35' To 40', Add	50.67	
For Elevated Installation >40', Add	55.74	
For Work In Restricted Working Space, Add	30.40	
26 05 33 13-1192 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	497.36	60.81
For Elevated Installation >10' To 15', Add	12.16	
For Elevated Installation >15' To 20', Add	24.32	
For Elevated Installation >20' To 25', Add	30.40	
For Elevated Installation >25' To 30', Add	42.56	
For Elevated Installation >30' To 35', Add	48.64	
For Elevated Installation >35' To 40', Add	60.80	
For Elevated Installation >40', Add	66.88	
For Work In Restricted Working Space, Add	36.48	
26 05 33 13-1193 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	747.41	85.51
For Elevated Installation >10' To 15', Add	17.10	
For Elevated Installation >15' To 20', Add	34.20	
For Elevated Installation >20' To 25', Add	42.75	
For Elevated Installation >25' To 30', Add	59.85	
For Elevated Installation >30' To 35', Add	68.40	
For Elevated Installation >35' To 40', Add	85.50	
For Elevated Installation >40', Add	94.05	
For Work In Restricted Working Space, Add	51.30	
26 05 33 13-1194 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	978.33	114.00
For Elevated Installation >10' To 15', Add	22.80	
For Elevated Installation >15' To 20', Add	45.60	
For Elevated Installation >20' To 25', Add	57.00	
For Elevated Installation >25' To 30', Add	79.80	
For Elevated Installation >30' To 35', Add	91.20	
For Elevated Installation >35' To 40', Add	114.01	
For Elevated Installation >40', Add	125.41	
For Work In Restricted Working Space, Add	68.40	
26 05 33 13-1195 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	1,423.94	142.50
For Elevated Installation >10' To 15', Add	28.50	
For Elevated Installation >15' To 20', Add	57.00	
For Elevated Installation >20' To 25', Add	71.25	
For Elevated Installation >25' To 30', Add	99.75	
For Elevated Installation >30' To 35', Add	114.00	
For Elevated Installation >35' To 40', Add	142.51	
For Elevated Installation >40', Add	156.76	
For Work In Restricted Working Space, Add	85.50	
26 05 33 13-1196 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	1,729.90	173.54
For Elevated Installation >10' To 15', Add	34.71	
For Elevated Installation >15' To 20', Add	69.42	
For Elevated Installation >20' To 25', Add	86.77	
For Elevated Installation >25' To 30', Add	121.48	
For Elevated Installation >30' To 35', Add	138.83	
For Elevated Installation >35' To 40', Add	173.54	
For Elevated Installation >40', Add	190.89	
For Work In Restricted Working Space, Add	104.12	
26 05 33 13-1197 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	274.87	39.91
For Elevated Installation >10' To 15', Add	7.98	
For Elevated Installation >15' To 20', Add	15.96	
For Elevated Installation >20' To 25', Add	19.95	
For Elevated Installation >25' To 30', Add	27.93	
For Elevated Installation >30' To 35', Add	31.92	
For Elevated Installation >35' To 40', Add	39.90	
For Elevated Installation >40', Add	43.89	
For Work In Restricted Working Space, Add	23.94	
26 05 33 13-1198 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	308.59	46.23
For Elevated Installation >10' To 15', Add	9.25	
For Elevated Installation >15' To 20', Add	18.49	
For Elevated Installation >20' To 25', Add	23.12	
For Elevated Installation >25' To 30', Add	32.36	
For Elevated Installation >30' To 35', Add	36.99	
For Elevated Installation >35' To 40', Add	46.24	
For Elevated Installation >40', Add	50.86	
For Work In Restricted Working Space, Add	27.74	
26 05 33 13-1199 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	427.60	50.67
For Elevated Installation >10' To 15', Add	10.13	
For Elevated Installation >15' To 20', Add	20.27	
For Elevated Installation >20' To 25', Add	25.34	
For Elevated Installation >25' To 30', Add	35.47	
For Elevated Installation >30' To 35', Add	40.54	
For Elevated Installation >35' To 40', Add	50.67	
For Elevated Installation >40', Add	55.74	
For Work In Restricted Working Space, Add	30.40	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1200	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	503.88	60.81
		For Elevated Installation >10' To 15', Add	12.16	
		For Elevated Installation >15' To 20', Add	24.32	
		For Elevated Installation >20' To 25', Add	30.40	
		For Elevated Installation >25' To 30', Add	42.56	
		For Elevated Installation >30' To 35', Add	48.64	
		For Elevated Installation >35' To 40', Add	60.80	
		For Elevated Installation >40', Add	66.88	
		For Work In Restricted Working Space, Add	36.48	
26 05 33 13-1201	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	736.27	85.51
		For Elevated Installation >10' To 15', Add	17.10	
		For Elevated Installation >15' To 20', Add	34.20	
		For Elevated Installation >20' To 25', Add	42.75	
		For Elevated Installation >25' To 30', Add	59.85	
		For Elevated Installation >30' To 35', Add	68.40	
		For Elevated Installation >35' To 40', Add	85.50	
		For Elevated Installation >40', Add	94.05	
		For Work In Restricted Working Space, Add	51.30	
26 05 33 13-1202	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	928.33	114.00
		For Elevated Installation >10' To 15', Add	22.80	
		For Elevated Installation >15' To 20', Add	45.60	
		For Elevated Installation >20' To 25', Add	57.00	
		For Elevated Installation >25' To 30', Add	79.80	
		For Elevated Installation >30' To 35', Add	91.20	
		For Elevated Installation >35' To 40', Add	114.01	
		For Elevated Installation >40', Add	125.41	
		For Work In Restricted Working Space, Add	68.40	
26 05 33 13-1203	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	1,363.58	142.50
		For Elevated Installation >10' To 15', Add	28.50	
		For Elevated Installation >15' To 20', Add	57.00	
		For Elevated Installation >20' To 25', Add	71.25	
		For Elevated Installation >25' To 30', Add	99.75	
		For Elevated Installation >30' To 35', Add	114.00	
		For Elevated Installation >35' To 40', Add	142.51	
		For Elevated Installation >40', Add	156.76	
		For Work In Restricted Working Space, Add	85.50	
26 05 33 13-1204	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	1,707.97	173.54
		For Elevated Installation >10' To 15', Add	34.71	
		For Elevated Installation >15' To 20', Add	69.42	
		For Elevated Installation >20' To 25', Add	86.77	
		For Elevated Installation >25' To 30', Add	121.48	
		For Elevated Installation >30' To 35', Add	138.83	
		For Elevated Installation >35' To 40', Add	173.54	
		For Elevated Installation >40', Add	190.89	
		For Work In Restricted Working Space, Add	104.12	
26 05 33 13-1205		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Covers (26 05 33 13-0802)		
26 05 33 13-1206	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	138.49	5.70
		For Elevated Installation >10' To 15', Add	1.14	
		For Elevated Installation >15' To 20', Add	2.28	
		For Elevated Installation >20' To 25', Add	2.85	
		For Elevated Installation >25' To 30', Add	3.99	
		For Elevated Installation >30' To 35', Add	4.56	
		For Elevated Installation >35' To 40', Add	5.70	
		For Elevated Installation >40', Add	6.27	
		For Work In Restricted Working Space, Add	3.42	
26 05 33 13-1207	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	139.76	6.34
		For Elevated Installation >10' To 15', Add	1.27	
		For Elevated Installation >15' To 20', Add	2.53	
		For Elevated Installation >20' To 25', Add	3.17	
		For Elevated Installation >25' To 30', Add	4.43	
		For Elevated Installation >30' To 35', Add	5.07	
		For Elevated Installation >35' To 40', Add	6.34	
		For Elevated Installation >40', Add	6.97	
		For Work In Restricted Working Space, Add	3.80	
26 05 33 13-1208	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	197.58	8.87
		For Elevated Installation >10' To 15', Add	1.77	
		For Elevated Installation >15' To 20', Add	3.55	
		For Elevated Installation >20' To 25', Add	4.43	
		For Elevated Installation >25' To 30', Add	6.21	
		For Elevated Installation >30' To 35', Add	7.09	
		For Elevated Installation >35' To 40', Add	8.87	
		For Elevated Installation >40', Add	9.75	
		For Work In Restricted Working Space, Add	5.32	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1209	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	200.12 2.03 4.05 5.07 7.09 8.11 10.14 11.15 6.08	10.13
26 05 33 13-1210	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	350.43 2.41 4.81 6.02 8.42 9.63 12.04 13.24 7.22	12.03
26 05 33 13-1211	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	356.76 3.04 6.08 7.60 10.64 12.16 15.20 16.72 9.12	15.20
26 05 33 13-1212	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	538.08 3.42 6.84 8.55 11.97 13.68 17.10 18.81 10.26	17.10
26 05 33 13-1213	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	548.22 4.43 8.87 11.09 15.52 17.74 22.17 24.39 13.30	22.16
26 05 33 13-1214			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings (26 05 33 13-0802)		
26 05 33 13-1215	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	237.72 3.17 6.33 7.92 11.08 12.67 15.84 17.42 9.50	15.84
26 05 33 13-1216	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	280.74 3.93 7.85 9.82 13.74 15.70 19.63 21.59 11.78	19.64
26 05 33 13-1217	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	332.21 4.81 9.63 12.04 16.85 19.26 24.07 26.48 14.44	24.07



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1218	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	409.48	27.87
		For Elevated Installation >10' To 15', Add	5.57	
		For Elevated Installation >15' To 20', Add	11.15	
		For Elevated Installation >20' To 25', Add	13.93	
		For Elevated Installation >25' To 30', Add	19.51	
		For Elevated Installation >30' To 35', Add	22.29	
		For Elevated Installation >35' To 40', Add	27.87	
		For Elevated Installation >40', Add	30.65	
		For Work In Restricted Working Space, Add	16.72	
26 05 33 13-1219	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	548.13	31.67
		For Elevated Installation >10' To 15', Add	6.33	
		For Elevated Installation >15' To 20', Add	12.67	
		For Elevated Installation >20' To 25', Add	15.83	
		For Elevated Installation >25' To 30', Add	22.17	
		For Elevated Installation >30' To 35', Add	25.33	
		For Elevated Installation >35' To 40', Add	31.67	
		For Elevated Installation >40', Add	34.83	
		For Work In Restricted Working Space, Add	19.00	
26 05 33 13-1220	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	760.09	34.83
		For Elevated Installation >10' To 15', Add	6.97	
		For Elevated Installation >15' To 20', Add	13.93	
		For Elevated Installation >20' To 25', Add	17.42	
		For Elevated Installation >25' To 30', Add	24.38	
		For Elevated Installation >30' To 35', Add	27.87	
		For Elevated Installation >35' To 40', Add	34.84	
		For Elevated Installation >40', Add	38.32	
		For Work In Restricted Working Space, Add	20.90	
26 05 33 13-1221	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,086.32	43.71
		For Elevated Installation >10' To 15', Add	8.74	
		For Elevated Installation >15' To 20', Add	17.48	
		For Elevated Installation >20' To 25', Add	21.85	
		For Elevated Installation >25' To 30', Add	30.59	
		For Elevated Installation >30' To 35', Add	34.96	
		For Elevated Installation >35' To 40', Add	43.70	
		For Elevated Installation >40', Add	48.07	
		For Work In Restricted Working Space, Add	26.22	
26 05 33 13-1222	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,350.09	59.53
		For Elevated Installation >10' To 15', Add	11.91	
		For Elevated Installation >15' To 20', Add	23.81	
		For Elevated Installation >20' To 25', Add	29.77	
		For Elevated Installation >25' To 30', Add	41.67	
		For Elevated Installation >30' To 35', Add	47.63	
		For Elevated Installation >35' To 40', Add	59.54	
		For Elevated Installation >40', Add	65.49	
		For Work In Restricted Working Space, Add	35.72	
26 05 33 13-1223	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,896.38	67.13
		For Elevated Installation >10' To 15', Add	13.43	
		For Elevated Installation >15' To 20', Add	26.85	
		For Elevated Installation >20' To 25', Add	33.57	
		For Elevated Installation >25' To 30', Add	46.99	
		For Elevated Installation >30' To 35', Add	53.71	
		For Elevated Installation >35' To 40', Add	67.14	
		For Elevated Installation >40', Add	73.85	
		For Work In Restricted Working Space, Add	40.28	
26 05 33 13-1224	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	2,184.33	87.40
		For Elevated Installation >10' To 15', Add	17.48	
		For Elevated Installation >15' To 20', Add	34.96	
		For Elevated Installation >20' To 25', Add	43.70	
		For Elevated Installation >25' To 30', Add	61.18	
		For Elevated Installation >30' To 35', Add	69.92	
		For Elevated Installation >35' To 40', Add	87.40	
		For Elevated Installation >40', Add	96.14	
		For Work In Restricted Working Space, Add	52.44	
26 05 33 13-1225		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings With Bonding Jumper <small>(26 05 33 13-0802)</small>		
26 05 33 13-1226	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	378.88	15.84
		For Elevated Installation >10' To 15', Add	3.17	
		For Elevated Installation >15' To 20', Add	6.33	
		For Elevated Installation >20' To 25', Add	7.92	
		For Elevated Installation >25' To 30', Add	11.08	
		For Elevated Installation >30' To 35', Add	12.67	
		For Elevated Installation >35' To 40', Add	15.84	
		For Elevated Installation >40', Add	17.42	
		For Work In Restricted Working Space, Add	9.50	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1227	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	393.01	19.64
			For Elevated Installation >10' To 15', Add	3.93	
			For Elevated Installation >15' To 20', Add	7.85	
			For Elevated Installation >20' To 25', Add	9.82	
			For Elevated Installation >25' To 30', Add	13.74	
			For Elevated Installation >30' To 35', Add	15.70	
			For Elevated Installation >35' To 40', Add	19.63	
			For Elevated Installation >40', Add	21.59	
			For Work In Restricted Working Space, Add	11.78	
26 05 33 13-1228	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	441.16	24.07
			For Elevated Installation >10' To 15', Add	4.81	
			For Elevated Installation >15' To 20', Add	9.63	
			For Elevated Installation >20' To 25', Add	12.04	
			For Elevated Installation >25' To 30', Add	16.85	
			For Elevated Installation >30' To 35', Add	19.26	
			For Elevated Installation >35' To 40', Add	24.07	
			For Elevated Installation >40', Add	26.48	
			For Work In Restricted Working Space, Add	14.44	
26 05 33 13-1229	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	533.99	27.87
			For Elevated Installation >10' To 15', Add	5.57	
			For Elevated Installation >15' To 20', Add	11.15	
			For Elevated Installation >20' To 25', Add	13.93	
			For Elevated Installation >25' To 30', Add	19.51	
			For Elevated Installation >30' To 35', Add	22.29	
			For Elevated Installation >35' To 40', Add	27.87	
			For Elevated Installation >40', Add	30.65	
			For Work In Restricted Working Space, Add	16.72	
26 05 33 13-1230	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	647.53	31.67
			For Elevated Installation >10' To 15', Add	6.33	
			For Elevated Installation >15' To 20', Add	12.67	
			For Elevated Installation >20' To 25', Add	15.83	
			For Elevated Installation >25' To 30', Add	22.17	
			For Elevated Installation >30' To 35', Add	25.33	
			For Elevated Installation >35' To 40', Add	31.67	
			For Elevated Installation >40', Add	34.83	
			For Work In Restricted Working Space, Add	19.00	
26 05 33 13-1231	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	828.52	34.83
			For Elevated Installation >10' To 15', Add	6.97	
			For Elevated Installation >15' To 20', Add	13.93	
			For Elevated Installation >20' To 25', Add	17.42	
			For Elevated Installation >25' To 30', Add	24.38	
			For Elevated Installation >30' To 35', Add	27.87	
			For Elevated Installation >35' To 40', Add	34.84	
			For Elevated Installation >40', Add	38.32	
			For Work In Restricted Working Space, Add	20.90	
26 05 33 13-1232	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,224.17	43.71
			For Elevated Installation >10' To 15', Add	8.74	
			For Elevated Installation >15' To 20', Add	17.48	
			For Elevated Installation >20' To 25', Add	21.85	
			For Elevated Installation >25' To 30', Add	30.59	
			For Elevated Installation >30' To 35', Add	34.96	
			For Elevated Installation >35' To 40', Add	43.70	
			For Elevated Installation >40', Add	48.07	
			For Work In Restricted Working Space, Add	26.22	
26 05 33 13-1233	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,534.30	59.53
			For Elevated Installation >10' To 15', Add	11.91	
			For Elevated Installation >15' To 20', Add	23.81	
			For Elevated Installation >20' To 25', Add	29.77	
			For Elevated Installation >25' To 30', Add	41.67	
			For Elevated Installation >30' To 35', Add	47.63	
			For Elevated Installation >35' To 40', Add	59.54	
			For Elevated Installation >40', Add	65.49	
			For Work In Restricted Working Space, Add	35.72	
26 05 33 13-1234	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,955.85	67.13
			For Elevated Installation >10' To 15', Add	13.43	
			For Elevated Installation >15' To 20', Add	26.85	
			For Elevated Installation >20' To 25', Add	33.57	
			For Elevated Installation >25' To 30', Add	46.99	
			For Elevated Installation >30' To 35', Add	53.71	
			For Elevated Installation >35' To 40', Add	67.14	
			For Elevated Installation >40', Add	73.85	
			For Work In Restricted Working Space, Add	40.28	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1235	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	2,447.71	87.40
		For Elevated Installation >10' To 15', Add	17.48	
		For Elevated Installation >15' To 20', Add	34.96	
		For Elevated Installation >20' To 25', Add	43.70	
		For Elevated Installation >25' To 30', Add	61.18	
		For Elevated Installation >30' To 35', Add	69.92	
		For Elevated Installation >35' To 40', Add	87.40	
		For Elevated Installation >40', Add	96.14	
		For Work In Restricted Working Space, Add	52.44	
26 05 33 13-1236		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STG Knockout Hubs (26 05 33 13-0802)		
26 05 33 13-1237	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	78.24	7.60
		For Elevated Installation >10' To 15', Add	1.52	
		For Elevated Installation >15' To 20', Add	3.04	
		For Elevated Installation >20' To 25', Add	3.80	
		For Elevated Installation >25' To 30', Add	5.32	
		For Elevated Installation >30' To 35', Add	6.08	
		For Elevated Installation >35' To 40', Add	7.60	
		For Elevated Installation >40', Add	8.36	
		For Work In Restricted Working Space, Add	4.56	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.56	
26 05 33 13-1238	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	84.70	9.50
		For Elevated Installation >10' To 15', Add	1.90	
		For Elevated Installation >15' To 20', Add	3.80	
		For Elevated Installation >20' To 25', Add	4.75	
		For Elevated Installation >25' To 30', Add	6.65	
		For Elevated Installation >30' To 35', Add	7.60	
		For Elevated Installation >35' To 40', Add	9.50	
		For Elevated Installation >40', Add	10.45	
		For Work In Restricted Working Space, Add	5.70	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.70	
26 05 33 13-1239	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	93.08	11.40
		For Elevated Installation >10' To 15', Add	2.28	
		For Elevated Installation >15' To 20', Add	4.56	
		For Elevated Installation >20' To 25', Add	5.70	
		For Elevated Installation >25' To 30', Add	7.98	
		For Elevated Installation >30' To 35', Add	9.12	
		For Elevated Installation >35' To 40', Add	11.40	
		For Elevated Installation >40', Add	12.54	
		For Work In Restricted Working Space, Add	6.84	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.84	
26 05 33 13-1240	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	105.20	13.93
		For Elevated Installation >10' To 15', Add	2.79	
		For Elevated Installation >15' To 20', Add	5.57	
		For Elevated Installation >20' To 25', Add	6.97	
		For Elevated Installation >25' To 30', Add	9.75	
		For Elevated Installation >30' To 35', Add	11.15	
		For Elevated Installation >35' To 40', Add	13.94	
		For Elevated Installation >40', Add	15.33	
		For Work In Restricted Working Space, Add	8.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.36	
26 05 33 13-1241	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	141.81	15.84
		For Elevated Installation >10' To 15', Add	3.17	
		For Elevated Installation >15' To 20', Add	6.33	
		For Elevated Installation >20' To 25', Add	7.92	
		For Elevated Installation >25' To 30', Add	11.08	
		For Elevated Installation >30' To 35', Add	12.67	
		For Elevated Installation >35' To 40', Add	15.84	
		For Elevated Installation >40', Add	17.42	
		For Work In Restricted Working Space, Add	9.50	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.50	
26 05 33 13-1242	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	173.47	17.73
		For Elevated Installation >10' To 15', Add	3.55	
		For Elevated Installation >15' To 20', Add	7.09	
		For Elevated Installation >20' To 25', Add	8.87	
		For Elevated Installation >25' To 30', Add	12.41	
		For Elevated Installation >30' To 35', Add	14.19	
		For Elevated Installation >35' To 40', Add	17.74	
		For Elevated Installation >40', Add	19.51	
		For Work In Restricted Working Space, Add	10.64	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.64	
26 05 33 13-1243	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	248.66	22.16
		For Elevated Installation >10' To 15', Add	4.43	
		For Elevated Installation >15' To 20', Add	8.87	
		For Elevated Installation >20' To 25', Add	11.09	
		For Elevated Installation >25' To 30', Add	15.52	
		For Elevated Installation >30' To 35', Add	17.74	
		For Elevated Installation >35' To 40', Add	22.17	
		For Elevated Installation >40', Add	24.39	
		For Work In Restricted Working Space, Add	13.30	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.30	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1244 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	324.52	29.77
For Elevated Installation >10' To 15', Add	5.95	
For Elevated Installation >15' To 20', Add	11.91	
For Elevated Installation >20' To 25', Add	14.88	
For Elevated Installation >25' To 30', Add	20.84	
For Elevated Installation >30' To 35', Add	23.81	
For Elevated Installation >35' To 40', Add	29.77	
For Elevated Installation >40', Add	32.74	
For Work In Restricted Working Space, Add	17.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.86	
26 05 33 13-1245 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	414.84	33.57
For Elevated Installation >10' To 15', Add	6.71	
For Elevated Installation >15' To 20', Add	13.43	
For Elevated Installation >20' To 25', Add	16.78	
For Elevated Installation >25' To 30', Add	23.50	
For Elevated Installation >30' To 35', Add	26.85	
For Elevated Installation >35' To 40', Add	33.57	
For Elevated Installation >40', Add	36.92	
For Work In Restricted Working Space, Add	20.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.14	
26 05 33 13-1246 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	521.60	43.71
For Elevated Installation >10' To 15', Add	8.74	
For Elevated Installation >15' To 20', Add	17.48	
For Elevated Installation >20' To 25', Add	21.85	
For Elevated Installation >25' To 30', Add	30.59	
For Elevated Installation >30' To 35', Add	34.96	
For Elevated Installation >35' To 40', Add	43.70	
For Elevated Installation >40', Add	48.07	
For Work In Restricted Working Space, Add	26.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.22	
26 05 33 13-1247 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	646.83	70.93
For Elevated Installation >10' To 15', Add	14.19	
For Elevated Installation >15' To 20', Add	28.37	
For Elevated Installation >20' To 25', Add	35.47	
For Elevated Installation >25' To 30', Add	49.65	
For Elevated Installation >30' To 35', Add	56.75	
For Elevated Installation >35' To 40', Add	70.94	
For Elevated Installation >40', Add	78.03	
For Work In Restricted Working Space, Add	42.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.56	
26 05 33 13-1248 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	975.51	107.04
For Elevated Installation >10' To 15', Add	21.41	
For Elevated Installation >15' To 20', Add	42.81	
For Elevated Installation >20' To 25', Add	53.52	
For Elevated Installation >25' To 30', Add	74.92	
For Elevated Installation >30' To 35', Add	85.63	
For Elevated Installation >35' To 40', Add	107.04	
For Elevated Installation >40', Add	117.74	
For Work In Restricted Working Space, Add	64.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.22	
26 05 33 13-1249 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs (26 05 33 13-0802)		
26 05 33 13-1250 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	118.34	7.60
For Elevated Installation >10' To 15', Add	1.52	
For Elevated Installation >15' To 20', Add	3.04	
For Elevated Installation >20' To 25', Add	3.80	
For Elevated Installation >25' To 30', Add	5.32	
For Elevated Installation >30' To 35', Add	6.08	
For Elevated Installation >35' To 40', Add	7.60	
For Elevated Installation >40', Add	8.36	
For Work In Restricted Working Space, Add	4.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.56	
26 05 33 13-1251 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	125.09	9.50
For Elevated Installation >10' To 15', Add	1.90	
For Elevated Installation >15' To 20', Add	3.80	
For Elevated Installation >20' To 25', Add	4.75	
For Elevated Installation >25' To 30', Add	6.65	
For Elevated Installation >30' To 35', Add	7.60	
For Elevated Installation >35' To 40', Add	9.50	
For Elevated Installation >40', Add	10.45	
For Work In Restricted Working Space, Add	5.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.70	
26 05 33 13-1252 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	134.36	11.40
For Elevated Installation >10' To 15', Add	2.28	
For Elevated Installation >15' To 20', Add	4.56	
For Elevated Installation >20' To 25', Add	5.70	
For Elevated Installation >25' To 30', Add	7.98	
For Elevated Installation >30' To 35', Add	9.12	
For Elevated Installation >35' To 40', Add	11.40	
For Elevated Installation >40', Add	12.54	
For Work In Restricted Working Space, Add	6.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.84	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1253	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	153.33	13.93
		For Elevated Installation >10' To 15', Add	2.79	
		For Elevated Installation >15' To 20', Add	5.57	
		For Elevated Installation >20' To 25', Add	6.97	
		For Elevated Installation >25' To 30', Add	9.75	
		For Elevated Installation >30' To 35', Add	11.15	
		For Elevated Installation >35' To 40', Add	13.94	
		For Elevated Installation >40', Add	15.33	
		For Work In Restricted Working Space, Add	8.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.36	
26 05 33 13-1254	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	164.54	15.84
		For Elevated Installation >10' To 15', Add	3.17	
		For Elevated Installation >15' To 20', Add	6.33	
		For Elevated Installation >20' To 25', Add	7.92	
		For Elevated Installation >25' To 30', Add	11.08	
		For Elevated Installation >30' To 35', Add	12.67	
		For Elevated Installation >35' To 40', Add	15.84	
		For Elevated Installation >40', Add	17.42	
		For Work In Restricted Working Space, Add	9.50	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.50	
26 05 33 13-1255	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	186.12	17.73
		For Elevated Installation >10' To 15', Add	3.55	
		For Elevated Installation >15' To 20', Add	7.09	
		For Elevated Installation >20' To 25', Add	8.87	
		For Elevated Installation >25' To 30', Add	12.41	
		For Elevated Installation >30' To 35', Add	14.19	
		For Elevated Installation >35' To 40', Add	17.74	
		For Elevated Installation >40', Add	19.51	
		For Work In Restricted Working Space, Add	10.64	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.64	
26 05 33 13-1256	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	284.19	22.16
		For Elevated Installation >10' To 15', Add	4.43	
		For Elevated Installation >15' To 20', Add	8.87	
		For Elevated Installation >20' To 25', Add	11.09	
		For Elevated Installation >25' To 30', Add	15.52	
		For Elevated Installation >30' To 35', Add	17.74	
		For Elevated Installation >35' To 40', Add	22.17	
		For Elevated Installation >40', Add	24.39	
		For Work In Restricted Working Space, Add	13.30	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.30	
26 05 33 13-1257	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	339.84	29.77
		For Elevated Installation >10' To 15', Add	5.95	
		For Elevated Installation >15' To 20', Add	11.91	
		For Elevated Installation >20' To 25', Add	14.88	
		For Elevated Installation >25' To 30', Add	20.84	
		For Elevated Installation >30' To 35', Add	23.81	
		For Elevated Installation >35' To 40', Add	29.77	
		For Elevated Installation >40', Add	32.74	
		For Work In Restricted Working Space, Add	17.86	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.86	
26 05 33 13-1258	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	418.15	33.57
		For Elevated Installation >10' To 15', Add	6.71	
		For Elevated Installation >15' To 20', Add	13.43	
		For Elevated Installation >20' To 25', Add	16.78	
		For Elevated Installation >25' To 30', Add	23.50	
		For Elevated Installation >30' To 35', Add	26.85	
		For Elevated Installation >35' To 40', Add	33.57	
		For Elevated Installation >40', Add	36.92	
		For Work In Restricted Working Space, Add	20.14	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.14	
26 05 33 13-1259	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	542.96	43.71
		For Elevated Installation >10' To 15', Add	8.74	
		For Elevated Installation >15' To 20', Add	17.48	
		For Elevated Installation >20' To 25', Add	21.85	
		For Elevated Installation >25' To 30', Add	30.59	
		For Elevated Installation >30' To 35', Add	34.96	
		For Elevated Installation >35' To 40', Add	43.70	
		For Elevated Installation >40', Add	48.07	
		For Work In Restricted Working Space, Add	26.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.22	
26 05 33 13-1260	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	844.34	70.93
		For Elevated Installation >10' To 15', Add	14.19	
		For Elevated Installation >15' To 20', Add	28.37	
		For Elevated Installation >20' To 25', Add	35.47	
		For Elevated Installation >25' To 30', Add	49.65	
		For Elevated Installation >30' To 35', Add	56.75	
		For Elevated Installation >35' To 40', Add	70.94	
		For Elevated Installation >40', Add	78.03	
		For Work In Restricted Working Space, Add	42.56	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.56	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1261 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	1,382.55	107.04
For Elevated Installation >10' To 15', Add	21.41	
For Elevated Installation >15' To 20', Add	42.81	
For Elevated Installation >20' To 25', Add	53.52	
For Elevated Installation >25' To 30', Add	74.92	
For Elevated Installation >30' To 35', Add	85.63	
For Elevated Installation >35' To 40', Add	107.04	
For Elevated Installation >40', Add	117.74	
For Work In Restricted Working Space, Add	64.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.22	
26 05 33 13-1262 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs (26 05 33 13-0802)		
26 05 33 13-1263 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	127.26	7.60
For Elevated Installation >10' To 15', Add	1.52	
For Elevated Installation >15' To 20', Add	3.04	
For Elevated Installation >20' To 25', Add	3.80	
For Elevated Installation >25' To 30', Add	5.32	
For Elevated Installation >30' To 35', Add	6.08	
For Elevated Installation >35' To 40', Add	7.60	
For Elevated Installation >40', Add	8.36	
For Work In Restricted Working Space, Add	4.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.56	
26 05 33 13-1264 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	133.55	9.50
For Elevated Installation >10' To 15', Add	1.90	
For Elevated Installation >15' To 20', Add	3.80	
For Elevated Installation >20' To 25', Add	4.75	
For Elevated Installation >25' To 30', Add	6.65	
For Elevated Installation >30' To 35', Add	7.60	
For Elevated Installation >35' To 40', Add	9.50	
For Elevated Installation >40', Add	10.45	
For Work In Restricted Working Space, Add	5.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.70	
26 05 33 13-1265 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	143.20	11.40
For Elevated Installation >10' To 15', Add	2.28	
For Elevated Installation >15' To 20', Add	4.56	
For Elevated Installation >20' To 25', Add	5.70	
For Elevated Installation >25' To 30', Add	7.98	
For Elevated Installation >30' To 35', Add	9.12	
For Elevated Installation >35' To 40', Add	11.40	
For Elevated Installation >40', Add	12.54	
For Work In Restricted Working Space, Add	6.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.84	
26 05 33 13-1266 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	180.18	13.93
For Elevated Installation >10' To 15', Add	2.79	
For Elevated Installation >15' To 20', Add	5.57	
For Elevated Installation >20' To 25', Add	6.97	
For Elevated Installation >25' To 30', Add	9.75	
For Elevated Installation >30' To 35', Add	11.15	
For Elevated Installation >35' To 40', Add	13.94	
For Elevated Installation >40', Add	15.33	
For Work In Restricted Working Space, Add	8.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.36	
26 05 33 13-1267 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	196.95	15.84
For Elevated Installation >10' To 15', Add	3.17	
For Elevated Installation >15' To 20', Add	6.33	
For Elevated Installation >20' To 25', Add	7.92	
For Elevated Installation >25' To 30', Add	11.08	
For Elevated Installation >30' To 35', Add	12.67	
For Elevated Installation >35' To 40', Add	15.84	
For Elevated Installation >40', Add	17.42	
For Work In Restricted Working Space, Add	9.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.50	
26 05 33 13-1268 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	208.49	17.73
For Elevated Installation >10' To 15', Add	3.55	
For Elevated Installation >15' To 20', Add	7.09	
For Elevated Installation >20' To 25', Add	8.87	
For Elevated Installation >25' To 30', Add	12.41	
For Elevated Installation >30' To 35', Add	14.19	
For Elevated Installation >35' To 40', Add	17.74	
For Elevated Installation >40', Add	19.51	
For Work In Restricted Working Space, Add	10.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.64	

26 05 33 13-1269 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions (26 05 33 13-0802)



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1270	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	93.54 3.17 6.33 7.92 11.08 12.67 15.84 17.42 9.50	15.84
26 05 33 13-1271	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	102.25 3.93 7.85 9.82 13.74 15.70 19.63 21.59 11.78	19.64
26 05 33 13-1272	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	132.59 4.81 9.63 12.04 16.85 19.26 24.07 26.48 14.44	24.07
26 05 33 13-1273	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	191.64 5.57 11.15 13.93 19.51 22.29 27.87 30.65 16.72	27.87
26 05 33 13-1274	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	227.26 6.33 12.67 15.83 22.17 25.33 31.67 34.83 19.00	31.67
26 05 33 13-1275	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	288.14 6.97 13.93 17.42 24.38 27.87 34.84 38.32 20.90	34.83
26 05 33 13-1276	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	383.17 8.74 17.48 21.85 30.59 34.96 43.70 48.07 26.22	43.71
26 05 33 13-1277	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	495.16 8.74 17.48 21.85 30.59 34.96 43.70 48.07 26.22	43.71
26 05 33 13-1278	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	640.07 13.43 26.85 33.57 46.99 53.71 67.14 73.85 40.28	67.13

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1279 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union.....	824.25	87.40
For Elevated Installation >10' To 15', Add	17.48	
For Elevated Installation >15' To 20', Add	34.96	
For Elevated Installation >20' To 25', Add	43.70	
For Elevated Installation >25' To 30', Add	61.18	
For Elevated Installation >30' To 35', Add	69.92	
For Elevated Installation >35' To 40', Add	87.40	
For Elevated Installation >40', Add	96.14	
For Work In Restricted Working Space, Add	52.44	
26 05 33 13-1280 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union.....	1,498.92	142.50
For Elevated Installation >10' To 15', Add	28.50	
For Elevated Installation >15' To 20', Add	57.00	
For Elevated Installation >20' To 25', Add	71.25	
For Elevated Installation >25' To 30', Add	99.75	
For Elevated Installation >30' To 35', Add	114.00	
For Elevated Installation >35' To 40', Add	142.51	
For Elevated Installation >40', Add	156.76	
For Work In Restricted Working Space, Add	85.50	
26 05 33 13-1281 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union.....	1,873.90	214.07
For Elevated Installation >10' To 15', Add	42.82	
For Elevated Installation >15' To 20', Add	85.63	
For Elevated Installation >20' To 25', Add	107.04	
For Elevated Installation >25' To 30', Add	149.85	
For Elevated Installation >30' To 35', Add	171.26	
For Elevated Installation >35' To 40', Add	214.08	
For Elevated Installation >40', Add	235.48	
For Work In Restricted Working Space, Add	128.45	
26 05 33 13-1282 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions (26 05 33 13-0802)		
26 05 33 13-1283 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	95.62	15.84
For Elevated Installation >10' To 15', Add	3.17	
For Elevated Installation >15' To 20', Add	6.33	
For Elevated Installation >20' To 25', Add	7.92	
For Elevated Installation >25' To 30', Add	11.08	
For Elevated Installation >30' To 35', Add	12.67	
For Elevated Installation >35' To 40', Add	15.84	
For Elevated Installation >40', Add	17.42	
For Work In Restricted Working Space, Add	9.50	
26 05 33 13-1284 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	110.21	19.64
For Elevated Installation >10' To 15', Add	3.93	
For Elevated Installation >15' To 20', Add	7.85	
For Elevated Installation >20' To 25', Add	9.82	
For Elevated Installation >25' To 30', Add	13.74	
For Elevated Installation >30' To 35', Add	15.70	
For Elevated Installation >35' To 40', Add	19.63	
For Elevated Installation >40', Add	21.59	
For Work In Restricted Working Space, Add	11.78	
26 05 33 13-1285 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	136.83	24.07
For Elevated Installation >10' To 15', Add	4.81	
For Elevated Installation >15' To 20', Add	9.63	
For Elevated Installation >20' To 25', Add	12.04	
For Elevated Installation >25' To 30', Add	16.85	
For Elevated Installation >30' To 35', Add	19.26	
For Elevated Installation >35' To 40', Add	24.07	
For Elevated Installation >40', Add	26.48	
For Work In Restricted Working Space, Add	14.44	
26 05 33 13-1286 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	199.43	27.87
For Elevated Installation >10' To 15', Add	5.57	
For Elevated Installation >15' To 20', Add	11.15	
For Elevated Installation >20' To 25', Add	13.93	
For Elevated Installation >25' To 30', Add	19.51	
For Elevated Installation >30' To 35', Add	22.29	
For Elevated Installation >35' To 40', Add	27.87	
For Elevated Installation >40', Add	30.65	
For Work In Restricted Working Space, Add	16.72	
26 05 33 13-1287 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	238.07	31.67
For Elevated Installation >10' To 15', Add	6.33	
For Elevated Installation >15' To 20', Add	12.67	
For Elevated Installation >20' To 25', Add	15.83	
For Elevated Installation >25' To 30', Add	22.17	
For Elevated Installation >30' To 35', Add	25.33	
For Elevated Installation >35' To 40', Add	31.67	
For Elevated Installation >40', Add	34.83	
For Work In Restricted Working Space, Add	19.00	
26 05 33 13-1288 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	311.48	34.83
For Elevated Installation >10' To 15', Add	6.97	
For Elevated Installation >15' To 20', Add	13.93	
For Elevated Installation >20' To 25', Add	17.42	
For Elevated Installation >25' To 30', Add	24.38	
For Elevated Installation >30' To 35', Add	27.87	
For Elevated Installation >35' To 40', Add	34.84	
For Elevated Installation >40', Add	38.32	
For Work In Restricted Working Space, Add	20.90	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1289	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	433.12	43.71
		For Elevated Installation >10' To 15', Add	8.74	
		For Elevated Installation >15' To 20', Add	17.48	
		For Elevated Installation >20' To 25', Add	21.85	
		For Elevated Installation >25' To 30', Add	30.59	
		For Elevated Installation >30' To 35', Add	34.96	
		For Elevated Installation >35' To 40', Add	43.70	
		For Elevated Installation >40', Add	48.07	
		For Work In Restricted Working Space, Add	26.22	
26 05 33 13-1290	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	545.95	43.71
		For Elevated Installation >10' To 15', Add	8.74	
		For Elevated Installation >15' To 20', Add	17.48	
		For Elevated Installation >20' To 25', Add	21.85	
		For Elevated Installation >25' To 30', Add	30.59	
		For Elevated Installation >30' To 35', Add	34.96	
		For Elevated Installation >35' To 40', Add	43.70	
		For Elevated Installation >40', Add	48.07	
		For Work In Restricted Working Space, Add	26.22	
26 05 33 13-1291	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	731.90	67.13
		For Elevated Installation >10' To 15', Add	13.43	
		For Elevated Installation >15' To 20', Add	26.85	
		For Elevated Installation >20' To 25', Add	33.57	
		For Elevated Installation >25' To 30', Add	46.99	
		For Elevated Installation >30' To 35', Add	53.71	
		For Elevated Installation >35' To 40', Add	67.14	
		For Elevated Installation >40', Add	73.85	
		For Work In Restricted Working Space, Add	40.28	
26 05 33 13-1292	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	915.75	87.40
		For Elevated Installation >10' To 15', Add	17.48	
		For Elevated Installation >15' To 20', Add	34.96	
		For Elevated Installation >20' To 25', Add	43.70	
		For Elevated Installation >25' To 30', Add	61.18	
		For Elevated Installation >30' To 35', Add	69.92	
		For Elevated Installation >35' To 40', Add	87.40	
		For Elevated Installation >40', Add	96.14	
		For Work In Restricted Working Space, Add	52.44	
26 05 33 13-1293	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	1,666.64	142.50
		For Elevated Installation >10' To 15', Add	28.50	
		For Elevated Installation >15' To 20', Add	57.00	
		For Elevated Installation >20' To 25', Add	71.25	
		For Elevated Installation >25' To 30', Add	99.75	
		For Elevated Installation >30' To 35', Add	114.00	
		For Elevated Installation >35' To 40', Add	142.51	
		For Elevated Installation >40', Add	156.76	
		For Work In Restricted Working Space, Add	85.50	
26 05 33 13-1294	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	2,144.71	214.07
		For Elevated Installation >10' To 15', Add	42.82	
		For Elevated Installation >15' To 20', Add	85.63	
		For Elevated Installation >20' To 25', Add	107.04	
		For Elevated Installation >25' To 30', Add	149.85	
		For Elevated Installation >30' To 35', Add	171.26	
		For Elevated Installation >35' To 40', Add	214.08	
		For Elevated Installation >40', Add	235.48	
		For Work In Restricted Working Space, Add	128.45	
26 05 33 13-1295		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Reducing Couplings (26 05 33 13-0802)		
26 05 33 13-1296	EA	3/4" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	51.98	5.06
		For Elevated Installation >10' To 15', Add	1.01	
		For Elevated Installation >15' To 20', Add	2.03	
		For Elevated Installation >20' To 25', Add	2.53	
		For Elevated Installation >25' To 30', Add	3.55	
		For Elevated Installation >30' To 35', Add	4.05	
		For Elevated Installation >35' To 40', Add	5.07	
		For Elevated Installation >40', Add	5.57	
		For Work In Restricted Working Space, Add	3.04	
26 05 33 13-1297	EA	1" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	57.04	6.34
		For Elevated Installation >10' To 15', Add	1.27	
		For Elevated Installation >15' To 20', Add	2.53	
		For Elevated Installation >20' To 25', Add	3.17	
		For Elevated Installation >25' To 30', Add	4.43	
		For Elevated Installation >30' To 35', Add	5.07	
		For Elevated Installation >35' To 40', Add	6.34	
		For Elevated Installation >40', Add	6.97	
		For Work In Restricted Working Space, Add	3.80	
26 05 33 13-1298	EA	1" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	64.85	6.34
		For Elevated Installation >10' To 15', Add	1.27	
		For Elevated Installation >15' To 20', Add	2.53	
		For Elevated Installation >20' To 25', Add	3.17	
		For Elevated Installation >25' To 30', Add	4.43	
		For Elevated Installation >30' To 35', Add	5.07	
		For Elevated Installation >35' To 40', Add	6.34	
		For Elevated Installation >40', Add	6.97	
		For Work In Restricted Working Space, Add	3.80	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1299 EA 1-1/4" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	80.14	6.97
For Elevated Installation >10' To 15', Add	1.39	
For Elevated Installation >15' To 20', Add	2.79	
For Elevated Installation >20' To 25', Add	3.48	
For Elevated Installation >25' To 30', Add	4.88	
For Elevated Installation >30' To 35', Add	5.57	
For Elevated Installation >35' To 40', Add	6.97	
For Elevated Installation >40', Add	7.66	
For Work In Restricted Working Space, Add	4.18	
26 05 33 13-1300 EA 1-1/4" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	84.64	6.97
For Elevated Installation >10' To 15', Add	1.39	
For Elevated Installation >15' To 20', Add	2.79	
For Elevated Installation >20' To 25', Add	3.48	
For Elevated Installation >25' To 30', Add	4.88	
For Elevated Installation >30' To 35', Add	5.57	
For Elevated Installation >35' To 40', Add	6.97	
For Elevated Installation >40', Add	7.66	
For Work In Restricted Working Space, Add	4.18	
26 05 33 13-1301 EA 1-1/2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	72.73	8.23
For Elevated Installation >10' To 15', Add	1.65	
For Elevated Installation >15' To 20', Add	3.29	
For Elevated Installation >20' To 25', Add	4.12	
For Elevated Installation >25' To 30', Add	5.76	
For Elevated Installation >30' To 35', Add	6.59	
For Elevated Installation >35' To 40', Add	8.24	
For Elevated Installation >40', Add	9.06	
For Work In Restricted Working Space, Add	4.94	
26 05 33 13-1302 EA 1-1/2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	82.80	8.23
For Elevated Installation >10' To 15', Add	1.65	
For Elevated Installation >15' To 20', Add	3.29	
For Elevated Installation >20' To 25', Add	4.12	
For Elevated Installation >25' To 30', Add	5.76	
For Elevated Installation >30' To 35', Add	6.59	
For Elevated Installation >35' To 40', Add	8.24	
For Elevated Installation >40', Add	9.06	
For Work In Restricted Working Space, Add	4.94	
26 05 33 13-1303 EA 1-1/2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	128.08	8.23
For Elevated Installation >10' To 15', Add	1.65	
For Elevated Installation >15' To 20', Add	3.29	
For Elevated Installation >20' To 25', Add	4.12	
For Elevated Installation >25' To 30', Add	5.76	
For Elevated Installation >30' To 35', Add	6.59	
For Elevated Installation >35' To 40', Add	8.24	
For Elevated Installation >40', Add	9.06	
For Work In Restricted Working Space, Add	4.94	
26 05 33 13-1304 EA 2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	142.38	9.50
For Elevated Installation >10' To 15', Add	1.90	
For Elevated Installation >15' To 20', Add	3.80	
For Elevated Installation >20' To 25', Add	4.75	
For Elevated Installation >25' To 30', Add	6.65	
For Elevated Installation >30' To 35', Add	7.60	
For Elevated Installation >35' To 40', Add	9.50	
For Elevated Installation >40', Add	10.45	
For Work In Restricted Working Space, Add	5.70	
26 05 33 13-1305 EA 2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	138.47	9.50
For Elevated Installation >10' To 15', Add	1.90	
For Elevated Installation >15' To 20', Add	3.80	
For Elevated Installation >20' To 25', Add	4.75	
For Elevated Installation >25' To 30', Add	6.65	
For Elevated Installation >30' To 35', Add	7.60	
For Elevated Installation >35' To 40', Add	9.50	
For Elevated Installation >40', Add	10.45	
For Work In Restricted Working Space, Add	5.70	
26 05 33 13-1306 EA 2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	145.73	9.50
For Elevated Installation >10' To 15', Add	1.90	
For Elevated Installation >15' To 20', Add	3.80	
For Elevated Installation >20' To 25', Add	4.75	
For Elevated Installation >25' To 30', Add	6.65	
For Elevated Installation >30' To 35', Add	7.60	
For Elevated Installation >35' To 40', Add	9.50	
For Elevated Installation >40', Add	10.45	
For Work In Restricted Working Space, Add	5.70	
26 05 33 13-1307 EA 2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	164.00	9.50
For Elevated Installation >10' To 15', Add	1.90	
For Elevated Installation >15' To 20', Add	3.80	
For Elevated Installation >20' To 25', Add	4.75	
For Elevated Installation >25' To 30', Add	6.65	
For Elevated Installation >30' To 35', Add	7.60	
For Elevated Installation >35' To 40', Add	9.50	
For Elevated Installation >40', Add	10.45	
For Work In Restricted Working Space, Add	5.70	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1308	EA		2-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	162.88	11.40
			For Elevated Installation >10' To 15', Add	2.28	
			For Elevated Installation >15' To 20', Add	4.56	
			For Elevated Installation >20' To 25', Add	5.70	
			For Elevated Installation >25' To 30', Add	7.98	
			For Elevated Installation >30' To 35', Add	9.12	
			For Elevated Installation >35' To 40', Add	11.40	
			For Elevated Installation >40', Add	12.54	
			For Work In Restricted Working Space, Add	6.84	
26 05 33 13-1309	EA		3" x 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	207.71	15.84
			For Elevated Installation >10' To 15', Add	3.17	
			For Elevated Installation >15' To 20', Add	6.33	
			For Elevated Installation >20' To 25', Add	7.92	
			For Elevated Installation >25' To 30', Add	11.08	
			For Elevated Installation >30' To 35', Add	12.67	
			For Elevated Installation >35' To 40', Add	15.84	
			For Elevated Installation >40', Add	17.42	
			For Work In Restricted Working Space, Add	9.50	
26 05 33 13-1310	EA		3-1/2" x 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	305.81	18.36
			For Elevated Installation >10' To 15', Add	3.67	
			For Elevated Installation >15' To 20', Add	7.35	
			For Elevated Installation >20' To 25', Add	9.19	
			For Elevated Installation >25' To 30', Add	12.86	
			For Elevated Installation >30' To 35', Add	14.70	
			For Elevated Installation >35' To 40', Add	18.37	
			For Elevated Installation >40', Add	20.21	
			For Work In Restricted Working Space, Add	11.02	
26 05 33 13-1311	EA		4" x 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	409.16	25.33
			For Elevated Installation >10' To 15', Add	5.07	
			For Elevated Installation >15' To 20', Add	10.14	
			For Elevated Installation >20' To 25', Add	12.67	
			For Elevated Installation >25' To 30', Add	17.74	
			For Elevated Installation >30' To 35', Add	20.27	
			For Elevated Installation >35' To 40', Add	25.34	
			For Elevated Installation >40', Add	27.87	
			For Work In Restricted Working Space, Add	15.20	
26 05 33 13-1312	EA		5" x 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	511.66	34.83
			For Elevated Installation >10' To 15', Add	6.97	
			For Elevated Installation >15' To 20', Add	13.93	
			For Elevated Installation >20' To 25', Add	17.42	
			For Elevated Installation >25' To 30', Add	24.38	
			For Elevated Installation >30' To 35', Add	27.87	
			For Elevated Installation >35' To 40', Add	34.84	
			For Elevated Installation >40', Add	38.32	
			For Work In Restricted Working Space, Add	20.90	
26 05 33 13-1313			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples (26 05 33 13-0802)		
26 05 33 13-1314	EA		1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	32.75	7.60
			For Elevated Installation >10' To 15', Add	1.52	
			For Elevated Installation >15' To 20', Add	3.04	
			For Elevated Installation >20' To 25', Add	3.80	
			For Elevated Installation >25' To 30', Add	5.32	
			For Elevated Installation >30' To 35', Add	6.08	
			For Elevated Installation >35' To 40', Add	7.60	
			For Elevated Installation >40', Add	8.36	
			For Work In Restricted Working Space, Add	4.56	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.56	
26 05 33 13-1315	EA		3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	36.88	9.50
			For Elevated Installation >10' To 15', Add	1.90	
			For Elevated Installation >15' To 20', Add	3.80	
			For Elevated Installation >20' To 25', Add	4.75	
			For Elevated Installation >25' To 30', Add	6.65	
			For Elevated Installation >30' To 35', Add	7.60	
			For Elevated Installation >35' To 40', Add	9.50	
			For Elevated Installation >40', Add	10.45	
			For Work In Restricted Working Space, Add	5.70	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.70	
26 05 33 13-1316	EA		1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	42.93	12.03
			For Elevated Installation >10' To 15', Add	2.41	
			For Elevated Installation >15' To 20', Add	4.81	
			For Elevated Installation >20' To 25', Add	6.02	
			For Elevated Installation >25' To 30', Add	8.42	
			For Elevated Installation >30' To 35', Add	9.63	
			For Elevated Installation >35' To 40', Add	12.04	
			For Elevated Installation >40', Add	13.24	
			For Work In Restricted Working Space, Add	7.22	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.22	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1317	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	51.07	13.93
		For Elevated Installation >10' To 15', Add	2.79	
		For Elevated Installation >15' To 20', Add	5.57	
		For Elevated Installation >20' To 25', Add	6.97	
		For Elevated Installation >25' To 30', Add	9.75	
		For Elevated Installation >30' To 35', Add	11.15	
		For Elevated Installation >35' To 40', Add	13.94	
		For Elevated Installation >40', Add	15.33	
		For Work In Restricted Working Space, Add	8.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.36	
26 05 33 13-1318	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	55.64	15.84
		For Elevated Installation >10' To 15', Add	3.17	
		For Elevated Installation >15' To 20', Add	6.33	
		For Elevated Installation >20' To 25', Add	7.92	
		For Elevated Installation >25' To 30', Add	11.08	
		For Elevated Installation >30' To 35', Add	12.67	
		For Elevated Installation >35' To 40', Add	15.84	
		For Elevated Installation >40', Add	17.42	
		For Work In Restricted Working Space, Add	9.50	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.50	
26 05 33 13-1319	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	36.27	8.23
		For Elevated Installation >10' To 15', Add	1.65	
		For Elevated Installation >15' To 20', Add	3.29	
		For Elevated Installation >20' To 25', Add	4.12	
		For Elevated Installation >25' To 30', Add	5.76	
		For Elevated Installation >30' To 35', Add	6.59	
		For Elevated Installation >35' To 40', Add	8.24	
		For Elevated Installation >40', Add	9.06	
		For Work In Restricted Working Space, Add	4.94	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.94	
26 05 33 13-1320	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	39.28	9.50
		For Elevated Installation >10' To 15', Add	1.90	
		For Elevated Installation >15' To 20', Add	3.80	
		For Elevated Installation >20' To 25', Add	4.75	
		For Elevated Installation >25' To 30', Add	6.65	
		For Elevated Installation >30' To 35', Add	7.60	
		For Elevated Installation >35' To 40', Add	9.50	
		For Elevated Installation >40', Add	10.45	
		For Work In Restricted Working Space, Add	5.70	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.70	
26 05 33 13-1321	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.36	12.03
		For Elevated Installation >10' To 15', Add	2.41	
		For Elevated Installation >15' To 20', Add	4.81	
		For Elevated Installation >20' To 25', Add	6.02	
		For Elevated Installation >25' To 30', Add	8.42	
		For Elevated Installation >30' To 35', Add	9.63	
		For Elevated Installation >35' To 40', Add	12.04	
		For Elevated Installation >40', Add	13.24	
		For Work In Restricted Working Space, Add	7.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.22	
26 05 33 13-1322	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	53.64	13.93
		For Elevated Installation >10' To 15', Add	2.79	
		For Elevated Installation >15' To 20', Add	5.57	
		For Elevated Installation >20' To 25', Add	6.97	
		For Elevated Installation >25' To 30', Add	9.75	
		For Elevated Installation >30' To 35', Add	11.15	
		For Elevated Installation >35' To 40', Add	13.94	
		For Elevated Installation >40', Add	15.33	
		For Work In Restricted Working Space, Add	8.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.36	
26 05 33 13-1323	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	58.40	15.84
		For Elevated Installation >10' To 15', Add	3.17	
		For Elevated Installation >15' To 20', Add	6.33	
		For Elevated Installation >20' To 25', Add	7.92	
		For Elevated Installation >25' To 30', Add	11.08	
		For Elevated Installation >30' To 35', Add	12.67	
		For Elevated Installation >35' To 40', Add	15.84	
		For Elevated Installation >40', Add	17.42	
		For Work In Restricted Working Space, Add	9.50	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.50	
26 05 33 13-1324	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	63.40	17.73
		For Elevated Installation >10' To 15', Add	3.55	
		For Elevated Installation >15' To 20', Add	7.09	
		For Elevated Installation >20' To 25', Add	8.87	
		For Elevated Installation >25' To 30', Add	12.41	
		For Elevated Installation >30' To 35', Add	14.19	
		For Elevated Installation >35' To 40', Add	17.74	
		For Elevated Installation >40', Add	19.51	
		For Work In Restricted Working Space, Add	10.64	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.64	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1325	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	36.44	8.23
		For Elevated Installation >10' To 15', Add	1.65	
		For Elevated Installation >15' To 20', Add	3.29	
		For Elevated Installation >20' To 25', Add	4.12	
		For Elevated Installation >25' To 30', Add	5.76	
		For Elevated Installation >30' To 35', Add	6.59	
		For Elevated Installation >35' To 40', Add	8.24	
		For Elevated Installation >40', Add	9.06	
		For Work In Restricted Working Space, Add	4.94	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.94	
26 05 33 13-1326	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	39.44	9.50
		For Elevated Installation >10' To 15', Add	1.90	
		For Elevated Installation >15' To 20', Add	3.80	
		For Elevated Installation >20' To 25', Add	4.75	
		For Elevated Installation >25' To 30', Add	6.65	
		For Elevated Installation >30' To 35', Add	7.60	
		For Elevated Installation >35' To 40', Add	9.50	
		For Elevated Installation >40', Add	10.44	
		For Work In Restricted Working Space, Add	5.70	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.70	
26 05 33 13-1327	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.67	12.03
		For Elevated Installation >10' To 15', Add	2.41	
		For Elevated Installation >15' To 20', Add	4.81	
		For Elevated Installation >20' To 25', Add	6.02	
		For Elevated Installation >25' To 30', Add	8.42	
		For Elevated Installation >30' To 35', Add	9.63	
		For Elevated Installation >35' To 40', Add	12.04	
		For Elevated Installation >40', Add	13.24	
		For Work In Restricted Working Space, Add	7.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.22	
26 05 33 13-1328	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	53.96	13.93
		For Elevated Installation >10' To 15', Add	2.79	
		For Elevated Installation >15' To 20', Add	5.57	
		For Elevated Installation >20' To 25', Add	6.97	
		For Elevated Installation >25' To 30', Add	9.75	
		For Elevated Installation >30' To 35', Add	11.14	
		For Elevated Installation >35' To 40', Add	13.93	
		For Elevated Installation >40', Add	15.32	
		For Work In Restricted Working Space, Add	8.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.36	
26 05 33 13-1329	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	58.72	15.84
		For Elevated Installation >10' To 15', Add	3.17	
		For Elevated Installation >15' To 20', Add	6.33	
		For Elevated Installation >20' To 25', Add	7.92	
		For Elevated Installation >25' To 30', Add	11.08	
		For Elevated Installation >30' To 35', Add	12.66	
		For Elevated Installation >35' To 40', Add	15.83	
		For Elevated Installation >40', Add	17.41	
		For Work In Restricted Working Space, Add	9.50	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.50	
26 05 33 13-1330	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	64.25	17.73
		For Elevated Installation >10' To 15', Add	3.55	
		For Elevated Installation >15' To 20', Add	7.09	
		For Elevated Installation >20' To 25', Add	8.87	
		For Elevated Installation >25' To 30', Add	12.41	
		For Elevated Installation >30' To 35', Add	14.18	
		For Elevated Installation >35' To 40', Add	17.73	
		For Elevated Installation >40', Add	19.50	
		For Work In Restricted Working Space, Add	10.64	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.64	
26 05 33 13-1331	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	38.71	8.23
		For Elevated Installation >10' To 15', Add	1.65	
		For Elevated Installation >15' To 20', Add	3.29	
		For Elevated Installation >20' To 25', Add	4.12	
		For Elevated Installation >25' To 30', Add	5.76	
		For Elevated Installation >30' To 35', Add	6.59	
		For Elevated Installation >35' To 40', Add	8.24	
		For Elevated Installation >40', Add	9.06	
		For Work In Restricted Working Space, Add	4.94	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.94	
26 05 33 13-1332	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	41.71	9.50
		For Elevated Installation >10' To 15', Add	1.90	
		For Elevated Installation >15' To 20', Add	3.80	
		For Elevated Installation >20' To 25', Add	4.75	
		For Elevated Installation >25' To 30', Add	6.65	
		For Elevated Installation >30' To 35', Add	7.60	
		For Elevated Installation >35' To 40', Add	9.50	
		For Elevated Installation >40', Add	10.44	
		For Work In Restricted Working Space, Add	5.70	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.70	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1333	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	48.11	12.03
		For Elevated Installation >10' To 15', Add		2.41	
		For Elevated Installation >15' To 20', Add		4.81	
		For Elevated Installation >20' To 25', Add		6.02	
		For Elevated Installation >25' To 30', Add		8.42	
		For Elevated Installation >30' To 35', Add		9.63	
		For Elevated Installation >35' To 40', Add		12.04	
		For Elevated Installation >40', Add		13.24	
		For Work In Restricted Working Space, Add		7.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		7.22	
26 05 33 13-1334	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	55.35	13.93
		For Elevated Installation >10' To 15', Add		2.79	
		For Elevated Installation >15' To 20', Add		5.57	
		For Elevated Installation >20' To 25', Add		6.97	
		For Elevated Installation >25' To 30', Add		9.75	
		For Elevated Installation >30' To 35', Add		11.14	
		For Elevated Installation >35' To 40', Add		13.93	
		For Elevated Installation >40', Add		15.32	
		For Work In Restricted Working Space, Add		8.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		8.36	
26 05 33 13-1335	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	60.26	15.84
		For Elevated Installation >10' To 15', Add		3.17	
		For Elevated Installation >15' To 20', Add		6.33	
		For Elevated Installation >20' To 25', Add		7.92	
		For Elevated Installation >25' To 30', Add		11.08	
		For Elevated Installation >30' To 35', Add		12.66	
		For Elevated Installation >35' To 40', Add		15.83	
		For Elevated Installation >40', Add		17.41	
		For Work In Restricted Working Space, Add		9.50	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		9.50	
26 05 33 13-1336	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	66.93	17.73
		For Elevated Installation >10' To 15', Add		3.55	
		For Elevated Installation >15' To 20', Add		7.09	
		For Elevated Installation >20' To 25', Add		8.87	
		For Elevated Installation >25' To 30', Add		12.41	
		For Elevated Installation >30' To 35', Add		14.18	
		For Elevated Installation >35' To 40', Add		17.73	
		For Elevated Installation >40', Add		19.50	
		For Work In Restricted Working Space, Add		10.64	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		10.64	
26 05 33 13-1337	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	93.01	21.53
		For Elevated Installation >10' To 15', Add		4.31	
		For Elevated Installation >15' To 20', Add		8.61	
		For Elevated Installation >20' To 25', Add		10.77	
		For Elevated Installation >25' To 30', Add		15.07	
		For Elevated Installation >30' To 35', Add		17.22	
		For Elevated Installation >35' To 40', Add		21.53	
		For Elevated Installation >40', Add		23.68	
		For Work In Restricted Working Space, Add		12.92	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		12.92	
26 05 33 13-1338	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	120.65	29.77
		For Elevated Installation >10' To 15', Add		5.95	
		For Elevated Installation >15' To 20', Add		11.91	
		For Elevated Installation >20' To 25', Add		14.88	
		For Elevated Installation >25' To 30', Add		20.84	
		For Elevated Installation >30' To 35', Add		23.81	
		For Elevated Installation >35' To 40', Add		29.77	
		For Elevated Installation >40', Add		32.74	
		For Work In Restricted Working Space, Add		17.86	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		17.86	
26 05 33 13-1339	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	38.88	8.23
		For Elevated Installation >10' To 15', Add		1.65	
		For Elevated Installation >15' To 20', Add		3.29	
		For Elevated Installation >20' To 25', Add		4.12	
		For Elevated Installation >25' To 30', Add		5.76	
		For Elevated Installation >30' To 35', Add		6.59	
		For Elevated Installation >35' To 40', Add		8.24	
		For Elevated Installation >40', Add		9.06	
		For Work In Restricted Working Space, Add		4.94	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		4.94	
26 05 33 13-1340	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	42.03	9.50
		For Elevated Installation >10' To 15', Add		1.90	
		For Elevated Installation >15' To 20', Add		3.80	
		For Elevated Installation >20' To 25', Add		4.75	
		For Elevated Installation >25' To 30', Add		6.65	
		For Elevated Installation >30' To 35', Add		7.60	
		For Elevated Installation >35' To 40', Add		9.50	
		For Elevated Installation >40', Add		10.44	
		For Work In Restricted Working Space, Add		5.70	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		5.70	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1341	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	48.45	12.03
		For Elevated Installation >10' To 15', Add	2.41	
		For Elevated Installation >15' To 20', Add	4.81	
		For Elevated Installation >20' To 25', Add	6.02	
		For Elevated Installation >25' To 30', Add	8.42	
		For Elevated Installation >30' To 35', Add	9.63	
		For Elevated Installation >35' To 40', Add	12.04	
		For Elevated Installation >40', Add	13.24	
		For Work In Restricted Working Space, Add	7.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.22	
26 05 33 13-1342	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	56.74	13.93
		For Elevated Installation >10' To 15', Add	2.79	
		For Elevated Installation >15' To 20', Add	5.57	
		For Elevated Installation >20' To 25', Add	6.97	
		For Elevated Installation >25' To 30', Add	9.75	
		For Elevated Installation >30' To 35', Add	11.14	
		For Elevated Installation >35' To 40', Add	13.93	
		For Elevated Installation >40', Add	15.32	
		For Work In Restricted Working Space, Add	8.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.36	
26 05 33 13-1343	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	61.79	15.84
		For Elevated Installation >10' To 15', Add	3.17	
		For Elevated Installation >15' To 20', Add	6.33	
		For Elevated Installation >20' To 25', Add	7.92	
		For Elevated Installation >25' To 30', Add	11.08	
		For Elevated Installation >30' To 35', Add	12.66	
		For Elevated Installation >35' To 40', Add	15.83	
		For Elevated Installation >40', Add	17.41	
		For Work In Restricted Working Space, Add	9.50	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.50	
26 05 33 13-1344	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	69.62	17.73
		For Elevated Installation >10' To 15', Add	3.55	
		For Elevated Installation >15' To 20', Add	7.09	
		For Elevated Installation >20' To 25', Add	8.87	
		For Elevated Installation >25' To 30', Add	12.41	
		For Elevated Installation >30' To 35', Add	14.18	
		For Elevated Installation >35' To 40', Add	17.73	
		For Elevated Installation >40', Add	19.50	
		For Work In Restricted Working Space, Add	10.64	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.64	
26 05 33 13-1345	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	95.39	21.53
		For Elevated Installation >10' To 15', Add	4.31	
		For Elevated Installation >15' To 20', Add	8.61	
		For Elevated Installation >20' To 25', Add	10.77	
		For Elevated Installation >25' To 30', Add	15.07	
		For Elevated Installation >30' To 35', Add	17.22	
		For Elevated Installation >35' To 40', Add	21.53	
		For Elevated Installation >40', Add	23.68	
		For Work In Restricted Working Space, Add	12.92	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.92	
26 05 33 13-1346	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	125.76	29.77
		For Elevated Installation >10' To 15', Add	5.95	
		For Elevated Installation >15' To 20', Add	11.91	
		For Elevated Installation >20' To 25', Add	14.88	
		For Elevated Installation >25' To 30', Add	20.84	
		For Elevated Installation >30' To 35', Add	23.81	
		For Elevated Installation >35' To 40', Add	29.77	
		For Elevated Installation >40', Add	32.74	
		For Work In Restricted Working Space, Add	17.86	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.86	
26 05 33 13-1347	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	149.73	33.57
		For Elevated Installation >10' To 15', Add	6.71	
		For Elevated Installation >15' To 20', Add	13.43	
		For Elevated Installation >20' To 25', Add	16.78	
		For Elevated Installation >25' To 30', Add	23.50	
		For Elevated Installation >30' To 35', Add	26.85	
		For Elevated Installation >35' To 40', Add	33.57	
		For Elevated Installation >40', Add	36.92	
		For Work In Restricted Working Space, Add	20.14	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.14	
26 05 33 13-1348	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	175.77	43.71
		For Elevated Installation >10' To 15', Add	8.74	
		For Elevated Installation >15' To 20', Add	17.48	
		For Elevated Installation >20' To 25', Add	21.85	
		For Elevated Installation >25' To 30', Add	30.59	
		For Elevated Installation >30' To 35', Add	34.96	
		For Elevated Installation >35' To 40', Add	43.70	
		For Elevated Installation >40', Add	48.06	
		For Work In Restricted Working Space, Add	26.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.22	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1349	EA	1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	39.19	8.23
		For Elevated Installation >10' To 15', Add	1.65	
		For Elevated Installation >15' To 20', Add	3.29	
		For Elevated Installation >20' To 25', Add	4.12	
		For Elevated Installation >25' To 30', Add	5.76	
		For Elevated Installation >30' To 35', Add	6.59	
		For Elevated Installation >35' To 40', Add	8.24	
		For Elevated Installation >40', Add	9.06	
		For Work In Restricted Working Space, Add	4.94	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.94	
26 05 33 13-1350	EA	3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.36	9.50
		For Elevated Installation >10' To 15', Add	1.90	
		For Elevated Installation >15' To 20', Add	3.80	
		For Elevated Installation >20' To 25', Add	4.75	
		For Elevated Installation >25' To 30', Add	6.65	
		For Elevated Installation >30' To 35', Add	7.60	
		For Elevated Installation >35' To 40', Add	9.50	
		For Elevated Installation >40', Add	10.44	
		For Work In Restricted Working Space, Add	5.70	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.70	
26 05 33 13-1351	EA	1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	48.81	12.03
		For Elevated Installation >10' To 15', Add	2.41	
		For Elevated Installation >15' To 20', Add	4.81	
		For Elevated Installation >20' To 25', Add	6.02	
		For Elevated Installation >25' To 30', Add	8.42	
		For Elevated Installation >30' To 35', Add	9.63	
		For Elevated Installation >35' To 40', Add	12.04	
		For Elevated Installation >40', Add	13.24	
		For Work In Restricted Working Space, Add	7.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.22	
26 05 33 13-1352	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	57.39	13.93
		For Elevated Installation >10' To 15', Add	2.79	
		For Elevated Installation >15' To 20', Add	5.57	
		For Elevated Installation >20' To 25', Add	6.97	
		For Elevated Installation >25' To 30', Add	9.75	
		For Elevated Installation >30' To 35', Add	11.14	
		For Elevated Installation >35' To 40', Add	13.93	
		For Elevated Installation >40', Add	15.32	
		For Work In Restricted Working Space, Add	8.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.36	
26 05 33 13-1353	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	62.46	15.84
		For Elevated Installation >10' To 15', Add	3.17	
		For Elevated Installation >15' To 20', Add	6.33	
		For Elevated Installation >20' To 25', Add	7.92	
		For Elevated Installation >25' To 30', Add	11.08	
		For Elevated Installation >30' To 35', Add	12.66	
		For Elevated Installation >35' To 40', Add	15.83	
		For Elevated Installation >40', Add	17.41	
		For Work In Restricted Working Space, Add	9.50	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.50	
26 05 33 13-1354	EA	2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	71.08	17.73
		For Elevated Installation >10' To 15', Add	3.55	
		For Elevated Installation >15' To 20', Add	7.09	
		For Elevated Installation >20' To 25', Add	8.87	
		For Elevated Installation >25' To 30', Add	12.41	
		For Elevated Installation >30' To 35', Add	14.18	
		For Elevated Installation >35' To 40', Add	17.73	
		For Elevated Installation >40', Add	19.50	
		For Work In Restricted Working Space, Add	10.64	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.64	
26 05 33 13-1355	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	104.83	21.53
		For Elevated Installation >10' To 15', Add	4.31	
		For Elevated Installation >15' To 20', Add	8.61	
		For Elevated Installation >20' To 25', Add	10.77	
		For Elevated Installation >25' To 30', Add	15.07	
		For Elevated Installation >30' To 35', Add	17.22	
		For Elevated Installation >35' To 40', Add	21.53	
		For Elevated Installation >40', Add	23.68	
		For Work In Restricted Working Space, Add	12.92	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.92	
26 05 33 13-1356	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	133.41	29.77
		For Elevated Installation >10' To 15', Add	5.95	
		For Elevated Installation >15' To 20', Add	11.91	
		For Elevated Installation >20' To 25', Add	14.88	
		For Elevated Installation >25' To 30', Add	20.84	
		For Elevated Installation >30' To 35', Add	23.81	
		For Elevated Installation >35' To 40', Add	29.77	
		For Elevated Installation >40', Add	32.74	
		For Work In Restricted Working Space, Add	17.86	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.86	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1357	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	151.36	33.57
		For Elevated Installation >10' To 15', Add	6.71	
		For Elevated Installation >15' To 20', Add	13.43	
		For Elevated Installation >20' To 25', Add	16.78	
		For Elevated Installation >25' To 30', Add	23.50	
		For Elevated Installation >30' To 35', Add	26.85	
		For Elevated Installation >35' To 40', Add	33.57	
		For Elevated Installation >40', Add	36.92	
		For Work In Restricted Working Space, Add	20.14	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.14	
26 05 33 13-1358	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	180.13	43.71
		For Elevated Installation >10' To 15', Add	8.74	
		For Elevated Installation >15' To 20', Add	17.48	
		For Elevated Installation >20' To 25', Add	21.85	
		For Elevated Installation >25' To 30', Add	30.59	
		For Elevated Installation >30' To 35', Add	34.96	
		For Elevated Installation >35' To 40', Add	43.70	
		For Elevated Installation >40', Add	48.06	
		For Work In Restricted Working Space, Add	26.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.22	
26 05 33 13-1359	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	264.58	60.16
		For Elevated Installation >10' To 15', Add	12.03	
		For Elevated Installation >15' To 20', Add	24.07	
		For Elevated Installation >20' To 25', Add	30.08	
		For Elevated Installation >25' To 30', Add	42.12	
		For Elevated Installation >30' To 35', Add	48.13	
		For Elevated Installation >35' To 40', Add	60.17	
		For Elevated Installation >40', Add	66.18	
		For Work In Restricted Working Space, Add	36.10	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.10	
26 05 33 13-1360	EA	1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	39.79	8.23
		For Elevated Installation >10' To 15', Add	1.65	
		For Elevated Installation >15' To 20', Add	3.29	
		For Elevated Installation >20' To 25', Add	4.12	
		For Elevated Installation >25' To 30', Add	5.76	
		For Elevated Installation >30' To 35', Add	6.59	
		For Elevated Installation >35' To 40', Add	8.24	
		For Elevated Installation >40', Add	9.06	
		For Work In Restricted Working Space, Add	4.94	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.94	
26 05 33 13-1361	EA	3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.96	9.50
		For Elevated Installation >10' To 15', Add	1.90	
		For Elevated Installation >15' To 20', Add	3.80	
		For Elevated Installation >20' To 25', Add	4.75	
		For Elevated Installation >25' To 30', Add	6.65	
		For Elevated Installation >30' To 35', Add	7.60	
		For Elevated Installation >35' To 40', Add	9.50	
		For Elevated Installation >40', Add	10.44	
		For Work In Restricted Working Space, Add	5.70	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.70	
26 05 33 13-1362	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	49.45	12.03
		For Elevated Installation >10' To 15', Add	2.41	
		For Elevated Installation >15' To 20', Add	4.81	
		For Elevated Installation >20' To 25', Add	6.02	
		For Elevated Installation >25' To 30', Add	8.42	
		For Elevated Installation >30' To 35', Add	9.63	
		For Elevated Installation >35' To 40', Add	12.04	
		For Elevated Installation >40', Add	13.24	
		For Work In Restricted Working Space, Add	7.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.22	
26 05 33 13-1363	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	58.59	13.93
		For Elevated Installation >10' To 15', Add	2.79	
		For Elevated Installation >15' To 20', Add	5.57	
		For Elevated Installation >20' To 25', Add	6.97	
		For Elevated Installation >25' To 30', Add	9.75	
		For Elevated Installation >30' To 35', Add	11.14	
		For Elevated Installation >35' To 40', Add	13.93	
		For Elevated Installation >40', Add	15.32	
		For Work In Restricted Working Space, Add	8.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.36	
26 05 33 13-1364	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	63.90	15.84
		For Elevated Installation >10' To 15', Add	3.17	
		For Elevated Installation >15' To 20', Add	6.33	
		For Elevated Installation >20' To 25', Add	7.92	
		For Elevated Installation >25' To 30', Add	11.08	
		For Elevated Installation >30' To 35', Add	12.66	
		For Elevated Installation >35' To 40', Add	15.83	
		For Elevated Installation >40', Add	17.41	
		For Work In Restricted Working Space, Add	9.50	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.50	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1365	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	72.54	17.73
		For Elevated Installation >10' To 15', Add	3.55	
		For Elevated Installation >15' To 20', Add	7.09	
		For Elevated Installation >20' To 25', Add	8.87	
		For Elevated Installation >25' To 30', Add	12.41	
		For Elevated Installation >30' To 35', Add	14.18	
		For Elevated Installation >35' To 40', Add	17.73	
		For Elevated Installation >40', Add	19.50	
		For Work In Restricted Working Space, Add	10.64	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.64	
26 05 33 13-1366	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	114.42	21.53
		For Elevated Installation >10' To 15', Add	4.31	
		For Elevated Installation >15' To 20', Add	8.61	
		For Elevated Installation >20' To 25', Add	10.77	
		For Elevated Installation >25' To 30', Add	15.07	
		For Elevated Installation >30' To 35', Add	17.22	
		For Elevated Installation >35' To 40', Add	21.53	
		For Elevated Installation >40', Add	23.68	
		For Work In Restricted Working Space, Add	12.92	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.92	
26 05 33 13-1367	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	143.57	29.77
		For Elevated Installation >10' To 15', Add	5.95	
		For Elevated Installation >15' To 20', Add	11.91	
		For Elevated Installation >20' To 25', Add	14.88	
		For Elevated Installation >25' To 30', Add	20.84	
		For Elevated Installation >30' To 35', Add	23.81	
		For Elevated Installation >35' To 40', Add	29.77	
		For Elevated Installation >40', Add	32.74	
		For Work In Restricted Working Space, Add	17.86	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.86	
26 05 33 13-1368	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	160.52	33.57
		For Elevated Installation >10' To 15', Add	6.71	
		For Elevated Installation >15' To 20', Add	13.43	
		For Elevated Installation >20' To 25', Add	16.78	
		For Elevated Installation >25' To 30', Add	23.50	
		For Elevated Installation >30' To 35', Add	26.85	
		For Elevated Installation >35' To 40', Add	33.57	
		For Elevated Installation >40', Add	36.92	
		For Work In Restricted Working Space, Add	20.14	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.14	
26 05 33 13-1369	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	195.57	43.71
		For Elevated Installation >10' To 15', Add	8.74	
		For Elevated Installation >15' To 20', Add	17.48	
		For Elevated Installation >20' To 25', Add	21.85	
		For Elevated Installation >25' To 30', Add	30.59	
		For Elevated Installation >30' To 35', Add	34.96	
		For Elevated Installation >35' To 40', Add	43.70	
		For Elevated Installation >40', Add	48.06	
		For Work In Restricted Working Space, Add	26.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.22	
26 05 33 13-1370	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	287.67	60.16
		For Elevated Installation >10' To 15', Add	12.03	
		For Elevated Installation >15' To 20', Add	24.07	
		For Elevated Installation >20' To 25', Add	30.08	
		For Elevated Installation >25' To 30', Add	42.12	
		For Elevated Installation >30' To 35', Add	48.13	
		For Elevated Installation >35' To 40', Add	60.17	
		For Elevated Installation >40', Add	66.18	
		For Work In Restricted Working Space, Add	36.10	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.10	
26 05 33 13-1371	EA	1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	40.73	8.23
		For Elevated Installation >10' To 15', Add	1.65	
		For Elevated Installation >15' To 20', Add	3.29	
		For Elevated Installation >20' To 25', Add	4.12	
		For Elevated Installation >25' To 30', Add	5.76	
		For Elevated Installation >30' To 35', Add	6.59	
		For Elevated Installation >35' To 40', Add	8.24	
		For Elevated Installation >40', Add	9.06	
		For Work In Restricted Working Space, Add	4.94	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.94	
26 05 33 13-1372	EA	3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	43.87	9.50
		For Elevated Installation >10' To 15', Add	1.90	
		For Elevated Installation >15' To 20', Add	3.80	
		For Elevated Installation >20' To 25', Add	4.75	
		For Elevated Installation >25' To 30', Add	6.65	
		For Elevated Installation >30' To 35', Add	7.60	
		For Elevated Installation >35' To 40', Add	9.50	
		For Elevated Installation >40', Add	10.44	
		For Work In Restricted Working Space, Add	5.70	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.70	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1373	EA	1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	50.89	12.03
		For Elevated Installation >10' To 15', Add	2.41	
		For Elevated Installation >15' To 20', Add	4.81	
		For Elevated Installation >20' To 25', Add	6.02	
		For Elevated Installation >25' To 30', Add	8.42	
		For Elevated Installation >30' To 35', Add	9.63	
		For Elevated Installation >35' To 40', Add	12.04	
		For Elevated Installation >40', Add	13.24	
		For Work In Restricted Working Space, Add	7.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.22	
26 05 33 13-1374	EA	1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	58.90	13.93
		For Elevated Installation >10' To 15', Add	2.79	
		For Elevated Installation >15' To 20', Add	5.57	
		For Elevated Installation >20' To 25', Add	6.97	
		For Elevated Installation >25' To 30', Add	9.75	
		For Elevated Installation >30' To 35', Add	11.14	
		For Elevated Installation >35' To 40', Add	13.93	
		For Elevated Installation >40', Add	15.32	
		For Work In Restricted Working Space, Add	8.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.36	
26 05 33 13-1375	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	66.82	15.84
		For Elevated Installation >10' To 15', Add	3.17	
		For Elevated Installation >15' To 20', Add	6.33	
		For Elevated Installation >20' To 25', Add	7.92	
		For Elevated Installation >25' To 30', Add	11.08	
		For Elevated Installation >30' To 35', Add	12.66	
		For Elevated Installation >35' To 40', Add	15.83	
		For Elevated Installation >40', Add	17.41	
		For Work In Restricted Working Space, Add	9.50	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.50	
26 05 33 13-1376	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	79.69	17.73
		For Elevated Installation >10' To 15', Add	3.55	
		For Elevated Installation >15' To 20', Add	7.09	
		For Elevated Installation >20' To 25', Add	8.87	
		For Elevated Installation >25' To 30', Add	12.41	
		For Elevated Installation >30' To 35', Add	14.18	
		For Elevated Installation >35' To 40', Add	17.73	
		For Elevated Installation >40', Add	19.50	
		For Work In Restricted Working Space, Add	10.64	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.64	
26 05 33 13-1377	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	126.21	21.53
		For Elevated Installation >10' To 15', Add	4.31	
		For Elevated Installation >15' To 20', Add	8.61	
		For Elevated Installation >20' To 25', Add	10.77	
		For Elevated Installation >25' To 30', Add	15.07	
		For Elevated Installation >30' To 35', Add	17.22	
		For Elevated Installation >35' To 40', Add	21.53	
		For Elevated Installation >40', Add	23.68	
		For Work In Restricted Working Space, Add	12.92	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.92	
26 05 33 13-1378	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	157.47	29.77
		For Elevated Installation >10' To 15', Add	5.95	
		For Elevated Installation >15' To 20', Add	11.91	
		For Elevated Installation >20' To 25', Add	14.88	
		For Elevated Installation >25' To 30', Add	20.84	
		For Elevated Installation >30' To 35', Add	23.81	
		For Elevated Installation >35' To 40', Add	29.77	
		For Elevated Installation >40', Add	32.74	
		For Work In Restricted Working Space, Add	17.86	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.86	
26 05 33 13-1379	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	183.43	33.57
		For Elevated Installation >10' To 15', Add	6.71	
		For Elevated Installation >15' To 20', Add	13.43	
		For Elevated Installation >20' To 25', Add	16.78	
		For Elevated Installation >25' To 30', Add	23.50	
		For Elevated Installation >30' To 35', Add	26.85	
		For Elevated Installation >35' To 40', Add	33.57	
		For Elevated Installation >40', Add	36.92	
		For Work In Restricted Working Space, Add	20.14	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.14	
26 05 33 13-1380	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	218.75	43.71
		For Elevated Installation >10' To 15', Add	8.74	
		For Elevated Installation >15' To 20', Add	17.48	
		For Elevated Installation >20' To 25', Add	21.85	
		For Elevated Installation >25' To 30', Add	30.59	
		For Elevated Installation >30' To 35', Add	34.96	
		For Elevated Installation >35' To 40', Add	43.70	
		For Elevated Installation >40', Add	48.06	
		For Work In Restricted Working Space, Add	26.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.22	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1381	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	303.49	60.16
		For Elevated Installation >10' To 15', Add	12.03	
		For Elevated Installation >15' To 20', Add	24.07	
		For Elevated Installation >20' To 25', Add	30.08	
		For Elevated Installation >25' To 30', Add	42.12	
		For Elevated Installation >30' To 35', Add	48.13	
		For Elevated Installation >35' To 40', Add	60.17	
		For Elevated Installation >40', Add	66.18	
		For Work In Restricted Working Space, Add	36.10	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.10	
26 05 33 13-1382	EA	1 1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	41.71	8.23
		For Elevated Installation >10' To 15', Add	1.65	
		For Elevated Installation >15' To 20', Add	3.29	
		For Elevated Installation >20' To 25', Add	4.12	
		For Elevated Installation >25' To 30', Add	5.76	
		For Elevated Installation >30' To 35', Add	6.59	
		For Elevated Installation >35' To 40', Add	8.24	
		For Elevated Installation >40', Add	9.06	
		For Work In Restricted Working Space, Add	4.94	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.94	
26 05 33 13-1383	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	44.83	9.50
		For Elevated Installation >10' To 15', Add	1.90	
		For Elevated Installation >15' To 20', Add	3.80	
		For Elevated Installation >20' To 25', Add	4.75	
		For Elevated Installation >25' To 30', Add	6.65	
		For Elevated Installation >30' To 35', Add	7.60	
		For Elevated Installation >35' To 40', Add	9.50	
		For Elevated Installation >40', Add	10.44	
		For Work In Restricted Working Space, Add	5.70	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.70	
26 05 33 13-1384	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	52.31	12.03
		For Elevated Installation >10' To 15', Add	2.41	
		For Elevated Installation >15' To 20', Add	4.81	
		For Elevated Installation >20' To 25', Add	6.02	
		For Elevated Installation >25' To 30', Add	8.42	
		For Elevated Installation >30' To 35', Add	9.63	
		For Elevated Installation >35' To 40', Add	12.04	
		For Elevated Installation >40', Add	13.24	
		For Work In Restricted Working Space, Add	7.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.22	
26 05 33 13-1385	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	63.22	13.93
		For Elevated Installation >10' To 15', Add	2.79	
		For Elevated Installation >15' To 20', Add	5.57	
		For Elevated Installation >20' To 25', Add	6.97	
		For Elevated Installation >25' To 30', Add	9.75	
		For Elevated Installation >30' To 35', Add	11.14	
		For Elevated Installation >35' To 40', Add	13.93	
		For Elevated Installation >40', Add	15.32	
		For Work In Restricted Working Space, Add	8.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.36	
26 05 33 13-1386	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	73.78	15.84
		For Elevated Installation >10' To 15', Add	3.17	
		For Elevated Installation >15' To 20', Add	6.33	
		For Elevated Installation >20' To 25', Add	7.92	
		For Elevated Installation >25' To 30', Add	11.08	
		For Elevated Installation >30' To 35', Add	12.66	
		For Elevated Installation >35' To 40', Add	15.83	
		For Elevated Installation >40', Add	17.41	
		For Work In Restricted Working Space, Add	9.50	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.50	
26 05 33 13-1387	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	90.18	17.73
		For Elevated Installation >10' To 15', Add	3.55	
		For Elevated Installation >15' To 20', Add	7.09	
		For Elevated Installation >20' To 25', Add	8.87	
		For Elevated Installation >25' To 30', Add	12.41	
		For Elevated Installation >30' To 35', Add	14.18	
		For Elevated Installation >35' To 40', Add	17.73	
		For Elevated Installation >40', Add	19.50	
		For Work In Restricted Working Space, Add	10.64	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.64	
26 05 33 13-1388	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	138.68	21.53
		For Elevated Installation >10' To 15', Add	4.31	
		For Elevated Installation >15' To 20', Add	8.61	
		For Elevated Installation >20' To 25', Add	10.77	
		For Elevated Installation >25' To 30', Add	15.07	
		For Elevated Installation >30' To 35', Add	17.22	
		For Elevated Installation >35' To 40', Add	21.53	
		For Elevated Installation >40', Add	23.68	
		For Work In Restricted Working Space, Add	12.92	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.92	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1389	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	175.28	29.77
		For Elevated Installation >10' To 15', Add	5.95	
		For Elevated Installation >15' To 20', Add	11.91	
		For Elevated Installation >20' To 25', Add	14.88	
		For Elevated Installation >25' To 30', Add	20.84	
		For Elevated Installation >30' To 35', Add	23.81	
		For Elevated Installation >35' To 40', Add	29.77	
		For Elevated Installation >40', Add	32.74	
		For Work In Restricted Working Space, Add	17.86	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.86	
26 05 33 13-1390	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	207.50	33.57
		For Elevated Installation >10' To 15', Add	6.71	
		For Elevated Installation >15' To 20', Add	13.43	
		For Elevated Installation >20' To 25', Add	16.78	
		For Elevated Installation >25' To 30', Add	23.50	
		For Elevated Installation >30' To 35', Add	26.85	
		For Elevated Installation >35' To 40', Add	33.57	
		For Elevated Installation >40', Add	36.92	
		For Work In Restricted Working Space, Add	20.14	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.14	
26 05 33 13-1391	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	259.31	43.71
		For Elevated Installation >10' To 15', Add	8.74	
		For Elevated Installation >15' To 20', Add	17.48	
		For Elevated Installation >20' To 25', Add	21.85	
		For Elevated Installation >25' To 30', Add	30.59	
		For Elevated Installation >30' To 35', Add	34.96	
		For Elevated Installation >35' To 40', Add	43.70	
		For Elevated Installation >40', Add	48.06	
		For Work In Restricted Working Space, Add	26.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.22	
26 05 33 13-1392	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	335.06	60.16
		For Elevated Installation >10' To 15', Add	12.03	
		For Elevated Installation >15' To 20', Add	24.07	
		For Elevated Installation >20' To 25', Add	30.08	
		For Elevated Installation >25' To 30', Add	42.12	
		For Elevated Installation >30' To 35', Add	48.13	
		For Elevated Installation >35' To 40', Add	60.17	
		For Elevated Installation >40', Add	66.18	
		For Work In Restricted Working Space, Add	36.10	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.10	
26 05 33 13-1393	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.72	8.23
		For Elevated Installation >10' To 15', Add	1.65	
		For Elevated Installation >15' To 20', Add	3.29	
		For Elevated Installation >20' To 25', Add	4.12	
		For Elevated Installation >25' To 30', Add	5.76	
		For Elevated Installation >30' To 35', Add	6.59	
		For Elevated Installation >35' To 40', Add	8.24	
		For Elevated Installation >40', Add	9.06	
		For Work In Restricted Working Space, Add	4.94	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.94	
26 05 33 13-1394	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.96	9.50
		For Elevated Installation >10' To 15', Add	1.90	
		For Elevated Installation >15' To 20', Add	3.80	
		For Elevated Installation >20' To 25', Add	4.75	
		For Elevated Installation >25' To 30', Add	6.65	
		For Elevated Installation >30' To 35', Add	7.60	
		For Elevated Installation >35' To 40', Add	9.50	
		For Elevated Installation >40', Add	10.44	
		For Work In Restricted Working Space, Add	5.70	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.70	
26 05 33 13-1395	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	55.90	12.03
		For Elevated Installation >10' To 15', Add	2.41	
		For Elevated Installation >15' To 20', Add	4.81	
		For Elevated Installation >20' To 25', Add	6.02	
		For Elevated Installation >25' To 30', Add	8.42	
		For Elevated Installation >30' To 35', Add	9.63	
		For Elevated Installation >35' To 40', Add	12.04	
		For Elevated Installation >40', Add	13.24	
		For Work In Restricted Working Space, Add	7.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.22	
26 05 33 13-1396	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	70.31	13.93
		For Elevated Installation >10' To 15', Add	2.79	
		For Elevated Installation >15' To 20', Add	5.57	
		For Elevated Installation >20' To 25', Add	6.97	
		For Elevated Installation >25' To 30', Add	9.75	
		For Elevated Installation >30' To 35', Add	11.14	
		For Elevated Installation >35' To 40', Add	13.93	
		For Elevated Installation >40', Add	15.32	
		For Work In Restricted Working Space, Add	8.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.36	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1397	EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	82.19	15.84
		For Elevated Installation >10' To 15', Add	3.17	
		For Elevated Installation >15' To 20', Add	6.33	
		For Elevated Installation >20' To 25', Add	7.92	
		For Elevated Installation >25' To 30', Add	11.08	
		For Elevated Installation >30' To 35', Add	12.66	
		For Elevated Installation >35' To 40', Add	15.83	
		For Elevated Installation >40', Add	17.41	
		For Work In Restricted Working Space, Add	9.50	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.50	
26 05 33 13-1398	EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	98.62	17.73
		For Elevated Installation >10' To 15', Add	3.55	
		For Elevated Installation >15' To 20', Add	7.09	
		For Elevated Installation >20' To 25', Add	8.87	
		For Elevated Installation >25' To 30', Add	12.41	
		For Elevated Installation >30' To 35', Add	14.18	
		For Elevated Installation >35' To 40', Add	17.73	
		For Elevated Installation >40', Add	19.50	
		For Work In Restricted Working Space, Add	10.64	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.64	
26 05 33 13-1399	EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	155.31	21.53
		For Elevated Installation >10' To 15', Add	4.31	
		For Elevated Installation >15' To 20', Add	8.61	
		For Elevated Installation >20' To 25', Add	10.77	
		For Elevated Installation >25' To 30', Add	15.07	
		For Elevated Installation >30' To 35', Add	17.22	
		For Elevated Installation >35' To 40', Add	21.53	
		For Elevated Installation >40', Add	23.68	
		For Work In Restricted Working Space, Add	12.92	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.92	
26 05 33 13-1400	EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	201.99	29.77
		For Elevated Installation >10' To 15', Add	5.95	
		For Elevated Installation >15' To 20', Add	11.91	
		For Elevated Installation >20' To 25', Add	14.88	
		For Elevated Installation >25' To 30', Add	20.84	
		For Elevated Installation >30' To 35', Add	23.81	
		For Elevated Installation >35' To 40', Add	29.77	
		For Elevated Installation >40', Add	32.74	
		For Work In Restricted Working Space, Add	17.86	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.86	
26 05 33 13-1401	EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	222.27	33.57
		For Elevated Installation >10' To 15', Add	6.71	
		For Elevated Installation >15' To 20', Add	13.43	
		For Elevated Installation >20' To 25', Add	16.78	
		For Elevated Installation >25' To 30', Add	23.50	
		For Elevated Installation >30' To 35', Add	26.85	
		For Elevated Installation >35' To 40', Add	33.57	
		For Elevated Installation >40', Add	36.92	
		For Work In Restricted Working Space, Add	20.14	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.14	
26 05 33 13-1402	EA	4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	271.75	43.71
		For Elevated Installation >10' To 15', Add	8.74	
		For Elevated Installation >15' To 20', Add	17.48	
		For Elevated Installation >20' To 25', Add	21.85	
		For Elevated Installation >25' To 30', Add	30.59	
		For Elevated Installation >30' To 35', Add	34.96	
		For Elevated Installation >35' To 40', Add	43.70	
		For Elevated Installation >40', Add	48.06	
		For Work In Restricted Working Space, Add	26.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.22	
26 05 33 13-1403	EA	5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	339.56	60.16
		For Elevated Installation >10' To 15', Add	12.03	
		For Elevated Installation >15' To 20', Add	24.07	
		For Elevated Installation >20' To 25', Add	30.08	
		For Elevated Installation >25' To 30', Add	42.12	
		For Elevated Installation >30' To 35', Add	48.13	
		For Elevated Installation >35' To 40', Add	60.17	
		For Elevated Installation >40', Add	66.18	
		For Work In Restricted Working Space, Add	36.10	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.10	
26 05 33 13-1404		Aluminum Rigid Conduit (ARC) (26 05 33 13-0058)		
		Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1405		Aluminum Rigid Conduit (ARC) With Threaded Coupling (26 05 33 13-1404)		
		Note: Includes field bend conduit up to 1".		
26 05 33 13-1406	LF	1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	5.90	1.95
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.73	
		For Work In Restricted Working Space, Add	1.46	
26 05 33 13-1407	LF	3/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling	6.73	2.15
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.80	
		For Work In Restricted Working Space, Add	1.61	
26 05 33 13-1408	LF	1" Aluminum Rigid Conduit (ARC) With Threaded Coupling	7.80	2.34
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.88	
		For Work In Restricted Working Space, Add	1.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1409 LF 1-1/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add	8.90 0.95 1.90	2.54
26 05 33 13-1410 LF 1-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add	10.00 1.02 2.05	2.73
26 05 33 13-1411 LF 2" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add	12.04 1.17 2.34	3.12
26 05 33 13-1412 LF 2-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add	16.46 1.46 2.93	3.90
26 05 33 13-1413 LF 3" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add	20.51 1.75 3.51	4.67
26 05 33 13-1414 LF 3-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add	25.19 2.19 4.38	5.85
26 05 33 13-1415 LF 4" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add	31.05 2.78 5.55	7.40
26 05 33 13-1416 LF 5" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add	41.33 3.51 7.02	9.36
26 05 33 13-1417 LF 6" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add	52.84 4.38 8.77	11.69
26 05 33 13-1418 Aluminum 90 Degree Elbows (26 05 33 13-1404)		
26 05 33 13-1419 EA 1" Aluminum 90 Degree Elbow For Work In Restricted Working Space, Add	36.26 7.60	10.13
26 05 33 13-1420 EA 1-1/4" Aluminum 90 Degree Elbow For Work In Restricted Working Space, Add	46.10 8.62	11.49
26 05 33 13-1421 EA 1-1/2" Aluminum 90 Degree Elbow For Work In Restricted Working Space, Add	56.23 9.94	13.25
26 05 33 13-1422 EA 2" Aluminum 90 Degree Elbow For Work In Restricted Working Space, Add	72.01 11.40	15.20
26 05 33 13-1423 EA 2-1/2" Aluminum 90 Degree Elbow For Work In Restricted Working Space, Add	103.59 13.88	18.51
26 05 33 13-1424 EA 3" Aluminum 90 Degree Elbow For Work In Restricted Working Space, Add	148.45 17.98	23.97
26 05 33 13-1425 EA 3-1/2" Aluminum 90 Degree Elbow For Work In Restricted Working Space, Add	205.30 20.17	26.90
26 05 33 13-1426 EA 4" Aluminum 90 Degree Elbow For Work In Restricted Working Space, Add	247.99 25.28	33.72
26 05 33 13-1427 EA 5" Aluminum 90 Degree Elbow For Work In Restricted Working Space, Add	621.45 41.22	54.96
26 05 33 13-1428 EA 6" Aluminum 90 Degree Elbow For Work In Restricted Working Space, Add	876.31 61.97	82.63
26 05 33 13-1429 Aluminum Bushing Set With Locknut (26 05 33 13-1404)		
26 05 33 13-1430 EA 1/2" Aluminum Bushing Set With Locknut..... For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.58 2.93 2.93	3.90
26 05 33 13-1431 EA 3/4" Aluminum Bushing Set With Locknut..... For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.02 3.80 3.80	5.06
26 05 33 13-1432 EA 1" Aluminum Bushing Set With Locknut..... For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.13 4.68 4.68	6.24
26 05 33 13-1433 EA 1-1/4" Aluminum Bushing Set With Locknut..... For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.14 5.26 5.26	7.02
26 05 33 13-1434 EA 1-1/2" Aluminum Bushing Set With Locknut..... For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.20 6.43 6.43	8.57
26 05 33 13-1435 EA 2" Aluminum Bushing Set With Locknut..... For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.09 7.75 7.75	10.33
26 05 33 13-1436 EA 2-1/2" Aluminum Bushing Set With Locknut..... For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.28 9.21 9.21	12.28
26 05 33 13-1437 EA 3" Aluminum Bushing Set With Locknut..... For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.92 10.52 10.52	14.03
26 05 33 13-1438 EA 3-1/2" Aluminum Bushing Set With Locknut..... For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.08 11.40 11.40	15.20
26 05 33 13-1439 EA 4" Aluminum Bushing Set With Locknut..... For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.83 12.28 12.28	16.37

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1440	EA	5" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.70 16.37 16.37	21.82
26 05 33 13-1441	EA	6" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.27 24.56 24.56	32.73
26 05 33 13-1442		Schedule 40 Polyvinyl Chloride (PVC) Conduit (26 05 33 13-0058) Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1443		Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings (26 05 33 13-1442) Note: Includes field bend conduit up to 1".		
26 05 33 13-1444	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	4.22 0.30 0.53	1.51
26 05 33 13-1445	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	4.74 0.36 0.62	1.66
26 05 33 13-1446	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	5.72 0.46 0.79	1.93
26 05 33 13-1447	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	6.70 0.57 0.96	2.21
26 05 33 13-1448	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	7.86 0.68 1.14	2.58
26 05 33 13-1449	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	9.23 0.83 1.39	2.96
26 05 33 13-1450	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	11.72 1.18 1.91	3.51
26 05 33 13-1451	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	13.66 1.39 2.25	4.06
26 05 33 13-1452	LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	16.48 1.72 2.77	4.80
26 05 33 13-1453	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	19.71 1.98 3.21	5.90
26 05 33 13-1454	LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	27.99 2.85 4.61	8.30
26 05 33 13-1455	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	37.21 3.77 6.11	11.06
26 05 33 13-1456		Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows (26 05 33 13-1442) See CSI section 26 05 33 13-2234 for conduit field bending.		
26 05 33 13-1457	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2234 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	19.47 1.18 2.20	7.37
26 05 33 13-1458	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2234 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	21.51 1.32 2.46	8.12
26 05 33 13-1459	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2234 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	24.96 1.63 2.97	9.22
26 05 33 13-1460	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2234 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	32.27 2.17 3.92	11.80
26 05 33 13-1461	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2234 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	40.64 2.78 5.00	14.76
26 05 33 13-1462	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2234 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	51.28 3.60 6.42	18.45
26 05 33 13-1463	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2234 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	64.51 5.06 8.75	22.13
26 05 33 13-1464	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2234 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	79.60 6.99 11.72	25.82



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1465	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2234 for conduit field bending. For Schedule 60, Add For Schedule 80, Add	99.32 9.15 15.17	31.35
26 05 33 13-1466	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2234 for conduit field bending. For Schedule 60, Add For Schedule 80, Add	119.16 11.35 18.65	36.89
26 05 33 13-1467	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2234 for conduit field bending. For Schedule 60, Add For Schedule 80, Add	162.67 17.61 28.12	46.11
26 05 33 13-1468	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2234 for conduit field bending. For Schedule 60, Add For Schedule 80, Add	198.76 22.02 34.98	55.33
26 05 33 13-1469		Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows (26 05 33 13-1442) See CSI section 26 05 33 13-2234 for conduit field bending.		
26 05 33 13-1470	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2234 for conduit field bending. For Schedule 60, Add For Schedule 80, Add	19.47 1.18 2.20	7.37
26 05 33 13-1471	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2234 for conduit field bending. For Schedule 60, Add For Schedule 80, Add	21.44 1.30 2.43	8.12
26 05 33 13-1472	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2234 for conduit field bending. For Schedule 60, Add For Schedule 80, Add	24.86 1.61 2.94	9.22
26 05 33 13-1473	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2234 for conduit field bending. For Schedule 60, Add For Schedule 80, Add	31.97 2.09 3.81	11.80
26 05 33 13-1474	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2234 for conduit field bending. For Schedule 60, Add For Schedule 80, Add	39.96 2.61 4.76	14.76
26 05 33 13-1475	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2234 for conduit field bending. For Schedule 60, Add For Schedule 80, Add	50.92 3.51 6.29	18.45
26 05 33 13-1476	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2234 for conduit field bending. For Schedule 60, Add For Schedule 80, Add	63.84 4.89 8.51	22.13
26 05 33 13-1477	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2234 for conduit field bending. For Schedule 60, Add For Schedule 80, Add	78.75 6.78 11.42	25.82
26 05 33 13-1478	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2234 for conduit field bending. For Schedule 60, Add For Schedule 80, Add	96.92 8.55 14.33	31.35
26 05 33 13-1479	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2234 for conduit field bending. For Schedule 60, Add For Schedule 80, Add	117.10 10.83 17.93	36.89
26 05 33 13-1480	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2234 for conduit field bending. For Schedule 60, Add For Schedule 80, Add	160.01 16.95 27.19	46.11
26 05 33 13-1481	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2234 for conduit field bending. For Schedule 60, Add For Schedule 80, Add	190.83 20.04 32.21	55.33
26 05 33 13-1482		Polyvinyl Chloride (PVC) Conduit Female Adapters (26 05 33 13-1442)		
26 05 33 13-1483	EA	1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.39 3.88	5.16
26 05 33 13-1484	EA	3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.40 4.43	5.90
26 05 33 13-1485	EA	1" Polyvinyl Chloride (PVC) Conduit Female Adapter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.48 4.98	6.64
26 05 33 13-1486	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.66 5.54	7.37
26 05 33 13-1487	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.36 6.92	9.22
26 05 33 13-1488	EA	2" Polyvinyl Chloride (PVC) Conduit Female Adapter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.52 8.30	11.06
26 05 33 13-1489	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.34 11.07	14.76

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1490 EA 3" Polyvinyl Chloride (PVC) Conduit Female Adapter	50.82	18.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.83	
26 05 33 13-1491 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	65.93	23.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.98	
26 05 33 13-1492 EA 4" Polyvinyl Chloride (PVC) Conduit Female Adapter	80.02	29.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.13	
26 05 33 13-1493 EA 5" Polyvinyl Chloride (PVC) Conduit Female Adapter	104.81	36.89
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.67	
26 05 33 13-1494 EA 6" Polyvinyl Chloride (PVC) Conduit Female Adapter	130.46	46.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.58	
26 05 33 13-1495 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug (26 05 33 13-1442)		
26 05 33 13-1496 EA 1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	14.92	4.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.32	
26 05 33 13-1497 EA 3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	17.05	5.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.88	
26 05 33 13-1498 EA 1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	19.19	5.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.43	
26 05 33 13-1499 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	22.68	6.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.98	
26 05 33 13-1500 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	25.27	7.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.54	
26 05 33 13-1501 EA 2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	30.16	8.49
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.36	
26 05 33 13-1502 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	33.79	9.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.19	
26 05 33 13-1503 EA 3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	38.33	11.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.30	
26 05 33 13-1504 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	45.33	12.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.68	
26 05 33 13-1505 EA 4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	50.20	14.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.07	
26 05 33 13-1506 EA 5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	62.49	16.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.45	
26 05 33 13-1507 EA 6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	70.16	18.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.83	
26 05 33 13-1508 Polyvinyl Chloride (PVC) Conduit Terminal Adapters (26 05 33 13-1442)		
26 05 33 13-1509 EA 1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	14.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.26	
26 05 33 13-1510 EA 3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	17.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.10	
26 05 33 13-1511 EA 1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	19.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.66	
26 05 33 13-1512 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	22.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.31	
26 05 33 13-1513 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	24.20	9.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.92	
26 05 33 13-1514 EA 2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	29.30	11.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.30	
26 05 33 13-1515 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	39.89	14.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.07	
26 05 33 13-1516 EA 3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	50.19	18.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.83	
26 05 33 13-1517 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	65.12	23.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.98	
26 05 33 13-1518 EA 4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	79.19	29.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.13	
26 05 33 13-1519 EA 5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	103.17	36.89
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.67	
26 05 33 13-1520 EA 6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	128.49	46.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.58	
26 05 33 13-1521 Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover (26 05 33 13-1442)		
26 05 33 13-1522 EA 1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	41.31	14.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.07	
26 05 33 13-1523 EA 3/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	47.75	16.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.45	
26 05 33 13-1524 EA 1" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	53.03	18.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.83	
26 05 33 13-1525 EA 1-1/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	65.21	22.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.60	
26 05 33 13-1526 EA 1-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	80.72	27.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.75	
26 05 33 13-1527 EA 2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	103.48	33.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.90	
26 05 33 13-1528 EA 2-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	169.26	36.89
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1529 EA 3" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	181.16 30.43	40.58
26 05 33 13-1530 EA 3-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	197.64 34.58	46.11
26 05 33 13-1531 EA 4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	221.45 40.12	53.48
26 05 33 13-1532 Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover (26 05 33 13-1442)		
26 05 33 13-1533 EA 1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	54.60 14.62	19.49
26 05 33 13-1534 EA 3/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	60.96 16.08	21.43
26 05 33 13-1535 EA 1" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	65.98 17.54	23.39
26 05 33 13-1536 EA 1-1/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	81.81 20.46	27.28
26 05 33 13-1537 EA 1-1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	98.87 24.85	33.13
26 05 33 13-1538 EA 2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	120.89 29.23	38.97
26 05 33 13-1539 Polyvinyl Chloride (PVC) Conduit Expansion Joint (26 05 33 13-1442)		
26 05 33 13-1540 EA 1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	83.94	18.45
26 05 33 13-1541 EA 3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	94.10	22.13
26 05 33 13-1542 EA 1" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	104.86	25.82
26 05 33 13-1543 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	115.02	29.51
26 05 33 13-1544 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	124.96	33.19
26 05 33 13-1545 EA 2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	136.70	36.89
26 05 33 13-1546 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	166.21	42.42
26 05 33 13-1547 EA 3" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	197.96	47.95
26 05 33 13-1548 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	231.40	55.33
26 05 33 13-1549 EA 4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	274.76	64.56
26 05 33 13-1550 EA 5" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	360.03	77.46
26 05 33 13-1551 EA 6" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	472.52	99.59
26 05 33 13-1552 Polyvinyl Chloride (PVC) Conduit End Caps (26 05 33 13-1442)		
26 05 33 13-1553 EA 1/2" Polyvinyl Chloride (PVC) Conduit End Cap For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.20 2.77	3.69
26 05 33 13-1554 EA 3/4" Polyvinyl Chloride (PVC) Conduit End Cap For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.26 3.32	4.43
26 05 33 13-1555 EA 1" Polyvinyl Chloride (PVC) Conduit End Cap For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.30 3.88	5.16
26 05 33 13-1556 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.18 4.43	5.90
26 05 33 13-1557 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.10 4.98	6.64
26 05 33 13-1558 EA 2" Polyvinyl Chloride (PVC) Conduit End Cap For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.74 5.54	7.37
26 05 33 13-1559 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.57 6.36	8.49
26 05 33 13-1560 EA 3" Polyvinyl Chloride (PVC) Conduit End Cap For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.97 7.19	9.59
26 05 33 13-1561 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.96 8.02	10.70
26 05 33 13-1562 EA 4" Polyvinyl Chloride (PVC) Conduit End Cap For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.48 8.58	11.43
26 05 33 13-1563 EA 5" Polyvinyl Chloride (PVC) Conduit End Cap For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.58 9.68	12.92
26 05 33 13-1564 EA 6" Polyvinyl Chloride (PVC) Conduit End Cap For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.67 11.07	14.76
26 05 33 13-1565 Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) (26 05 33 13-1442)		
26 05 33 13-1566 EA 2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200) For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	107.02 24.90	33.19
26 05 33 13-1567 EA 3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121) For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	103.85 16.60	22.13
26 05 33 13-1568 EA 1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251) For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	240.95 27.67	36.89
26 05 33 13-1569 EA 3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401) For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	457.34 40.12	53.48
26 05 33 13-1570 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit (26 05 33 13-0058)		

Note: Exposed installation. Excludes supporting strap, hanger and fastening.

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-1571		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit (26 05 33 13-1570)	
26 05 33 13-1572	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	6.46
26 05 33 13-1573	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	7.17
26 05 33 13-1574	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	8.03
26 05 33 13-1575	LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	8.90
26 05 33 13-1576	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	10.09
26 05 33 13-1577	LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	11.11
26 05 33 13-1578	LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	13.24
26 05 33 13-1579	LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	15.51
26 05 33 13-1580	LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	18.02
26 05 33 13-1581	LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	21.47
26 05 33 13-1582	LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	29.14
26 05 33 13-1583	LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	38.15
26 05 33 13-1584		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows (26 05 33 13-1570)	
26 05 33 13-1585	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	68.01
		For 24" Radius, Add	4.64
		For 36" Radius, Add	6.80
		For 48" Radius, Add	8.96
26 05 33 13-1586	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	75.78
		For 24" Radius, Add	5.18
		For 36" Radius, Add	7.58
		For 48" Radius, Add	9.98
26 05 33 13-1587	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	79.10
		For 24" Radius, Add	5.36
		For 36" Radius, Add	7.91
		For 48" Radius, Add	10.46
26 05 33 13-1588	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	86.11
		For 24" Radius, Add	5.72
		For 36" Radius, Add	8.61
		For 48" Radius, Add	11.50
26 05 33 13-1589	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	94.05
		For 24" Radius, Add	6.13
		For 36" Radius, Add	9.41
		For 48" Radius, Add	12.68
26 05 33 13-1590	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	111.15
		For 24" Radius, Add	7.18
		For 36" Radius, Add	11.12
		For 48" Radius, Add	15.05
26 05 33 13-1591	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	133.18
		For 24" Radius, Add	8.61
		For 36" Radius, Add	13.32
		For 48" Radius, Add	18.03
26 05 33 13-1592	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	157.98
		For 24" Radius, Add	10.23
		For 36" Radius, Add	15.80
		For 48" Radius, Add	21.36
26 05 33 13-1593	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	183.48
		For 24" Radius, Add	11.80
		For 36" Radius, Add	18.35
		For 48" Radius, Add	24.89
26 05 33 13-1594	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	209.00
		For 24" Radius, Add	13.37
		For 36" Radius, Add	20.90
		For 48" Radius, Add	28.43
26 05 33 13-1595	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	261.24
		For 24" Radius, Add	16.71
		For 36" Radius, Add	26.12
		For 48" Radius, Add	35.54
26 05 33 13-1596	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	320.80
		For 24" Radius, Add	20.60
		For 36" Radius, Add	32.08
		For 48" Radius, Add	43.56
26 05 33 13-1597		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbows, 12" Large Radius Elbows (26 05 33 13-1570)	
26 05 33 13-1598	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	59.09
		For 24" Radius, Add	3.97
		For 36" Radius, Add	5.91
		For 48" Radius, Add	7.85
26 05 33 13-1599	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	65.79
		For 24" Radius, Add	4.43
		For 36" Radius, Add	6.58
		For 48" Radius, Add	8.73



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1600	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	69.01 4.60 6.90 9.20	9.22
26 05 33 13-1601	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	75.92 4.96 7.59 10.23	11.80
26 05 33 13-1602	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	83.76 5.36 8.38 11.39	14.76
26 05 33 13-1603	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	99.45 6.31 9.95 13.58	18.45
26 05 33 13-1604	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	119.17 7.55 11.92 16.28	22.13
26 05 33 13-1605	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	141.17 8.97 14.12 19.26	25.82
26 05 33 13-1606	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	164.56 10.38 16.46 22.53	31.35
26 05 33 13-1607	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	187.98 11.79 18.80 25.80	36.89
26 05 33 13-1608	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	234.97 14.74 23.50 32.25	46.11
26 05 33 13-1609	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	287.95 18.14 28.80 39.45	55.33
26 05 33 13-1610		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows (26 05 33 13-1570)		
26 05 33 13-1611	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	54.76 3.69 5.48 7.26	6.64
26 05 33 13-1612	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	60.99 4.12 6.10 8.08	7.30
26 05 33 13-1613	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	63.91 4.27 6.39 8.51	8.30
26 05 33 13-1614	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	70.14 4.60 7.01 9.43	10.62
26 05 33 13-1615	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	77.20 4.96 7.72 10.48	13.28
26 05 33 13-1616	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	91.58 5.83 9.16 12.49	16.60
26 05 33 13-1617	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	109.75 6.99 10.98 14.96	19.92
26 05 33 13-1618	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	130.03 8.30 13.00 17.71	23.24

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1619	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	151.48	28.21
		For 24" Radius, Add	9.60	
		For 36" Radius, Add	15.15	
		For 48" Radius, Add	20.70	
26 05 33 13-1620	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	172.91	33.19
		For 24" Radius, Add	10.89	
		For 36" Radius, Add	17.29	
		For 48" Radius, Add	23.69	
26 05 33 13-1621	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	216.14	41.50
		For 24" Radius, Add	13.62	
		For 36" Radius, Add	21.61	
		For 48" Radius, Add	29.61	
26 05 33 13-1622	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	264.99	49.80
		For 24" Radius, Add	16.76	
		For 36" Radius, Add	26.50	
		For 48" Radius, Add	36.24	
26 05 33 13-1623		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1570)</small>		
26 05 33 13-1624	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	52.29	6.64
		For 24" Radius, Add	3.51	
		For 36" Radius, Add	5.23	
		For 48" Radius, Add	6.95	
26 05 33 13-1625	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	58.21	7.30
		For 24" Radius, Add	3.91	
		For 36" Radius, Add	5.82	
		For 48" Radius, Add	7.73	
26 05 33 13-1626	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	61.11	8.30
		For 24" Radius, Add	4.06	
		For 36" Radius, Add	6.11	
		For 48" Radius, Add	8.16	
26 05 33 13-1627	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	67.31	10.62
		For 24" Radius, Add	4.38	
		For 36" Radius, Add	6.73	
		For 48" Radius, Add	9.08	
26 05 33 13-1628	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	74.35	13.28
		For 24" Radius, Add	4.75	
		For 36" Radius, Add	7.44	
		For 48" Radius, Add	10.12	
26 05 33 13-1629	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	88.33	16.60
		For 24" Radius, Add	5.59	
		For 36" Radius, Add	8.83	
		For 48" Radius, Add	12.08	
26 05 33 13-1630	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	105.85	19.92
		For 24" Radius, Add	6.69	
		For 36" Radius, Add	10.59	
		For 48" Radius, Add	14.48	
26 05 33 13-1631	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	125.35	23.24
		For 24" Radius, Add	7.95	
		For 36" Radius, Add	12.54	
		For 48" Radius, Add	17.12	
26 05 33 13-1632	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	146.22	28.21
		For 24" Radius, Add	9.20	
		For 36" Radius, Add	14.62	
		For 48" Radius, Add	20.04	
26 05 33 13-1633	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	167.07	33.19
		For 24" Radius, Add	10.46	
		For 36" Radius, Add	16.71	
		For 48" Radius, Add	22.96	
26 05 33 13-1634	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	208.84	41.50
		For 24" Radius, Add	13.07	
		For 36" Radius, Add	20.88	
		For 48" Radius, Add	28.70	
26 05 33 13-1635	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	255.87	49.80
		For 24" Radius, Add	16.08	
		For 36" Radius, Add	25.59	
		For 48" Radius, Add	35.10	
26 05 33 13-1636		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings <small>(26 05 33 13-1570)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1637 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	33.44	5.16
26 05 33 13-1638 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	37.63	5.90
26 05 33 13-1639 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	39.70	6.64
26 05 33 13-1640 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	41.75	7.37
26 05 33 13-1641 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	46.81	9.22
26 05 33 13-1642 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	55.96	11.06
26 05 33 13-1643 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	70.95	14.76
26 05 33 13-1644 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	86.98	18.45
26 05 33 13-1645 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	105.92	23.98
26 05 33 13-1646 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	124.86	29.51
26 05 33 13-1647 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	156.08	36.89
26 05 33 13-1648 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	195.07	46.11
26 05 33 13-1649 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings (26 05 33 13-1570)		
26 05 33 13-1650 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	24.50	5.16
26 05 33 13-1651 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	27.62	5.90
26 05 33 13-1652 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	29.60	6.64
26 05 33 13-1653 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	31.59	7.37
26 05 33 13-1654 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	36.32	9.22
26 05 33 13-1655 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	41.01	11.06
26 05 33 13-1656 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	52.91	14.76
26 05 33 13-1657 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	65.34	18.45
26 05 33 13-1658 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	81.57	23.98
26 05 33 13-1659 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	97.81	29.51
26 05 33 13-1660 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	122.29	36.89
26 05 33 13-1661 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	152.83	46.11
26 05 33 13-1662 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings (26 05 33 13-1570)		
26 05 33 13-1663 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	27.31	4.24
26 05 33 13-1664 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	30.76	5.90
26 05 33 13-1665 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	32.77	6.64
26 05 33 13-1666 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	34.72	7.37
26 05 33 13-1667 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	39.69	9.22
26 05 33 13-1668 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	47.47	11.06
26 05 33 13-1669 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	60.65	14.76
26 05 33 13-1670 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	74.62	18.45
26 05 33 13-1671 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	92.01	23.98
26 05 33 13-1672 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	109.41	29.51
26 05 33 13-1673 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	136.75	36.89
26 05 33 13-1674 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	170.95	46.11
26 05 33 13-1675 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints (26 05 33 13-1570)		
26 05 33 13-1676 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	61.97	18.45
26 05 33 13-1677 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	72.92	22.13
26 05 33 13-1678 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	82.35	25.82
26 05 33 13-1679 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	91.68	29.51
26 05 33 13-1680 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	101.30	33.19
26 05 33 13-1681 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	114.02	36.89
26 05 33 13-1682 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	132.21	42.42
26 05 33 13-1683 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	151.27	47.95
26 05 33 13-1684 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	173.65	55.33
26 05 33 13-1685 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	200.62	64.56
26 05 33 13-1686 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	233.49	73.77
26 05 33 13-1687 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	268.80	82.99
26 05 33 13-1688 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints (26 05 33 13-1570)		
26 05 33 13-1689 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	68.41	18.45
26 05 33 13-1690 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	80.15	22.13
26 05 33 13-1691 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	89.61	25.82
26 05 33 13-1692 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	99.01	29.51
26 05 33 13-1693 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	108.70	33.19
26 05 33 13-1694 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	122.47	36.89
26 05 33 13-1695 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	142.35	42.42
26 05 33 13-1696 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	163.44	47.95
26 05 33 13-1697 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	187.34	55.33
26 05 33 13-1698 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	215.84	64.56
26 05 33 13-1699 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	252.56	73.77
26 05 33 13-1700 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	292.64	82.99
26 05 33 13-1701 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters (26 05 33 13-1570)		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1702	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	65.95	5.16
26 05 33 13-1703	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	73.67	5.90
26 05 33 13-1704	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	77.32	6.64
26 05 33 13-1705	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	81.06	7.37
26 05 33 13-1706	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	86.64	9.22
26 05 33 13-1707	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	97.30	11.06
26 05 33 13-1708	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	120.47	14.76
26 05 33 13-1709	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	146.34	18.45
26 05 33 13-1710	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	172.71	23.98
26 05 33 13-1711	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	199.07	29.51
26 05 33 13-1712	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	248.90	36.89
26 05 33 13-1713	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	309.90	46.11
26 05 33 13-1714 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints <small>(26 05 33 13-1570)</small>				
26 05 33 13-1715	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	79.61	18.45
26 05 33 13-1716	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	92.56	22.13
26 05 33 13-1717	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	110.55	25.82
26 05 33 13-1718	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	135.78	29.51
26 05 33 13-1719	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	168.00	33.19
26 05 33 13-1720	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	218.21	36.89
26 05 33 13-1721	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	304.30	42.42
26 05 33 13-1722	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	365.71	47.95
26 05 33 13-1723	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	440.66	55.33
26 05 33 13-1724	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	520.22	64.56
26 05 33 13-1725	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	610.68	73.77
26 05 33 13-1726	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	931.11	82.99
26 05 33 13-1727 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover <small>(26 05 33 13-1570)</small>				
26 05 33 13-1728	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	66.55	14.76
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.07	
26 05 33 13-1729	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	76.87	16.60
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.45	
26 05 33 13-1730	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	100.03	18.45
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.83	
26 05 33 13-1731	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	121.94	22.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.60	
26 05 33 13-1732	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	154.80	27.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.75	
26 05 33 13-1733	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	209.87	33.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.90	
26 05 33 13-1734	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	334.73	38.74
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.05	
26 05 33 13-1735	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	427.87	44.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.20	
26 05 33 13-1736	EA	3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	513.71	51.64
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.73	
26 05 33 13-1737	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	599.56	59.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.27	
26 05 33 13-1738	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	705.24	66.40
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.80	
26 05 33 13-1739	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	799.02	73.77
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.33	
26 05 33 13-1740 Explosion Proof Conduit Fittings <small>(26 05 33 13-0058)</small>				
Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.				
26 05 33 13-1741 Explosion Proof Malleable Iron Conduit Unions <small>(26 05 33 13-1740)</small>				
26 05 33 13-1742	EA	1/2" Explosion Proof Malleable Iron Conduit Union	38.83	8.13
26 05 33 13-1743	EA	3/4" Explosion Proof Malleable Iron Conduit Union	47.94	8.98
26 05 33 13-1744	EA	1" Explosion Proof Malleable Iron Conduit Union	76.22	11.97
26 05 33 13-1745	EA	1-1/4" Explosion Proof Malleable Iron Conduit Union	101.06	13.25
26 05 33 13-1746	EA	1-1/2" Explosion Proof Malleable Iron Conduit Union	127.20	16.24
26 05 33 13-1747	EA	2" Explosion Proof Malleable Iron Conduit Union	158.56	18.81
26 05 33 13-1748	EA	2-1/2" Explosion Proof Malleable Iron Conduit Union	241.40	26.88



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1749 EA 3" Explosion Proof Malleable Iron Conduit Union.....	306.97	32.00
26 05 33 13-1750 EA 3-1/2" Explosion Proof Malleable Iron Conduit Union	516.48	38.40
26 05 33 13-1751 EA 4" Explosion Proof Malleable Iron Conduit Union.....	547.25	49.06
26 05 33 13-1752 Explosion Proof Malleable Iron Conduit Bodies (26 05 33 13-1740)		
26 05 33 13-1753 EA 1/2" Explosion Proof Malleable Iron Two Hub Conduit Body	137.74	25.64
26 05 33 13-1754 EA 3/4" Explosion Proof Malleable Iron Two Hub Conduit Body	155.24	29.07
26 05 33 13-1755 EA 1" Explosion Proof Malleable Iron Two Hub Conduit Body	181.95	32.06
26 05 33 13-1756 EA 1/2" Explosion Proof Malleable Iron Three Hub Conduit Body	155.16	32.06
26 05 33 13-1757 EA 3/4" Explosion Proof Malleable Iron Three Hub Conduit Body	184.83	38.47
26 05 33 13-1758 EA 1" Explosion Proof Malleable Iron Three Hub Conduit Body	218.86	44.02
26 05 33 13-1759 Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical (26 05 33 13-1740)		
Note: Includes sealing gasket and lock nut.		
26 05 33 13-1760 EA 1/2" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	113.90	21.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.03	
26 05 33 13-1761 EA 3/4" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	116.22	23.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.95	
26 05 33 13-1762 EA 1" x 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	126.87	26.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.55	
26 05 33 13-1763 EA 1-1/4" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	163.18	32.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.04	
26 05 33 13-1764 EA 1-1/2" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	208.61	37.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.21	
26 05 33 13-1765 EA 2" x 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	268.60	42.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.06	
26 05 33 13-1766 EA 2-1/2" x 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	382.10	64.00
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.00	
26 05 33 13-1767 EA 3" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	483.00	80.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	60.16	
26 05 33 13-1768 EA 3-1/2" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	684.38	88.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.24	
26 05 33 13-1769 EA 4" x 5" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	884.69	95.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.00	
26 05 33 13-1770 Explosion Proof Flexible Conduit Couplings (26 05 33 13-1740)		
26 05 33 13-1771 EA 1/2" x 12" Explosion Proof Flexible Conduit Coupling	309.56	9.83
26 05 33 13-1772 EA 3/4" x 15" Explosion Proof Flexible Conduit Coupling	405.18	11.11
26 05 33 13-1773 Conduit Installed Below Grade (26 05 33 13-0057)		
Note: By direct burial in trench or in concrete slabs or duct banks. Includes warning tape for underground conduits. Excludes trenching, backfilling and concrete.		
26 05 33 13-1774 Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial (26 05 33 13-1773)		
26 05 33 13-1775 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial (26 05 33 13-1774)		
Note: Includes field bend conduit up to 1".		
26 05 33 13-1776 LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	3.44	
For Schedule 60, Add	0.26	
For Schedule 80, Add	0.45	
26 05 33 13-1777 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	3.82	
For Schedule 60, Add	0.31	
For Schedule 80, Add	0.53	
26 05 33 13-1778 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	4.34	
For Schedule 60, Add	0.39	
For Schedule 80, Add	0.65	
26 05 33 13-1779 LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	4.86	
For Schedule 60, Add	0.48	
For Schedule 80, Add	0.78	
26 05 33 13-1780 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	5.33	
For Schedule 60, Add	0.55	
For Schedule 80, Add	0.89	
26 05 33 13-1781 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	6.01	
For Schedule 60, Add	0.67	
For Schedule 80, Add	1.07	
26 05 33 13-1782 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	7.34	
For Schedule 60, Add	0.96	
For Schedule 80, Add	1.47	
26 05 33 13-1783 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	8.13	
For Schedule 60, Add	1.11	
For Schedule 80, Add	1.69	
26 05 33 13-1784 LF 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	9.34	
For Schedule 60, Add	1.37	
For Schedule 80, Add	2.06	
26 05 33 13-1785 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	10.02	
For Schedule 60, Add	1.49	
For Schedule 80, Add	2.24	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1786	LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	12.54	
		For Schedule 60, Add	2.08	
		For Schedule 80, Add	3.06	
26 05 33 13-1787	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	15.08	
		For Schedule 60, Add	2.66	
		For Schedule 80, Add	3.90	
26 05 33 13-1788 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial <small>(26 05 33 13-1774)</small>				
See CSI section 26 05 33 13-2234 for conduit field bending.				
26 05 33 13-1789	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	24.07	
		For Schedule 60, Add	1.41	
		For Schedule 80, Add	2.66	
26 05 33 13-1790	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	28.88	
		For Schedule 60, Add	1.69	
		For Schedule 80, Add	3.19	
26 05 33 13-1791	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	34.18	
		For Schedule 60, Add	2.09	
		For Schedule 80, Add	3.90	
26 05 33 13-1792	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	39.65	
		For Schedule 60, Add	2.53	
		For Schedule 80, Add	4.66	
26 05 33 13-1793	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	45.25	
		For Schedule 60, Add	3.01	
		For Schedule 80, Add	5.46	
26 05 33 13-1794	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	51.28	
		For Schedule 60, Add	3.60	
		For Schedule 80, Add	6.42	
26 05 33 13-1795	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	59.90	
		For Schedule 60, Add	4.83	
		For Schedule 80, Add	8.29	
26 05 33 13-1796	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	70.37	
		For Schedule 60, Add	6.53	
		For Schedule 80, Add	10.80	
26 05 33 13-1797	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	85.50	
		For Schedule 60, Add	8.46	
		For Schedule 80, Add	13.79	
26 05 33 13-1798	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	100.71	
		For Schedule 60, Add	10.42	
		For Schedule 80, Add	16.81	
26 05 33 13-1799	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	130.39	
		For Schedule 60, Add	16.00	
		For Schedule 80, Add	24.89	
26 05 33 13-1800	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	152.65	
		For Schedule 60, Add	19.72	
		For Schedule 80, Add	30.37	
26 05 33 13-1801 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows, Direct Burial <small>(26 05 33 13-1774)</small>				
See CSI section 26 05 33 13-2234 for conduit field bending.				
26 05 33 13-1802	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial.....	24.07	
		For Schedule 60, Add	1.41	
		For Schedule 80, Add	2.66	
26 05 33 13-1803	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial.....	28.81	
		For Schedule 60, Add	1.67	
		For Schedule 80, Add	3.17	
26 05 33 13-1804	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial.....	34.08	
		For Schedule 60, Add	2.07	
		For Schedule 80, Add	3.86	
26 05 33 13-1805	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	39.35	
		For Schedule 60, Add	2.46	
		For Schedule 80, Add	4.55	
26 05 33 13-1806	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	44.57	
		For Schedule 60, Add	2.84	
		For Schedule 80, Add	5.22	
26 05 33 13-1807	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial.....	50.92	
		For Schedule 60, Add	3.51	
		For Schedule 80, Add	6.29	
26 05 33 13-1808	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	59.23	
		For Schedule 60, Add	4.66	
		For Schedule 80, Add	8.05	
26 05 33 13-1809	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial.....	69.52	
		For Schedule 60, Add	6.31	
		For Schedule 80, Add	10.50	
26 05 33 13-1810	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	83.10	
		For Schedule 60, Add	7.86	
		For Schedule 80, Add	12.95	
26 05 33 13-1811	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial.....	98.65	
		For Schedule 60, Add	9.91	
		For Schedule 80, Add	16.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1812 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial..... For Schedule 60, Add For Schedule 80, Add	127.73 15.33 23.96	
26 05 33 13-1813 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial..... For Schedule 60, Add For Schedule 80, Add	144.72 17.74 27.60	
26 05 33 13-1814 Polyvinyl Chloride (PVC) Conduit Female Adapters, Direct Burial (26 05 33 13-1774)		
26 05 33 13-1815 EA 1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.39 3.88	
26 05 33 13-1816 EA 3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.40 4.43	
26 05 33 13-1817 EA 1" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.48 4.98	
26 05 33 13-1818 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.66 5.54	
26 05 33 13-1819 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.60 6.09	
26 05 33 13-1820 EA 2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.99 6.64	
26 05 33 13-1821 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.35 7.47	
26 05 33 13-1822 EA 3" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.37 8.30	
26 05 33 13-1823 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.26 9.68	
26 05 33 13-1824 EA 4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.14 11.07	
26 05 33 13-1825 EA 5" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	54.09 12.45	
26 05 33 13-1826 EA 6" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.30 13.83	
26 05 33 13-1827 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial (26 05 33 13-1774)		
26 05 33 13-1828 EA 1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	14.92	
26 05 33 13-1829 EA 3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	17.05	
26 05 33 13-1830 EA 1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	19.19	
26 05 33 13-1831 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	24.53	
26 05 33 13-1832 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	27.11	
26 05 33 13-1833 EA 2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	30.16	
26 05 33 13-1834 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	33.79	
26 05 33 13-1835 EA 3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	38.33	
26 05 33 13-1836 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	45.33	
26 05 33 13-1837 EA 4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	50.20	
26 05 33 13-1838 EA 5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	62.49	
26 05 33 13-1839 EA 6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	70.16	
26 05 33 13-1840 Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial (26 05 33 13-1774)		
26 05 33 13-1841 EA 1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....	13.31	
26 05 33 13-1842 EA 3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....	15.40	
26 05 33 13-1843 EA 1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....	17.37	
26 05 33 13-1844 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....	19.47	
26 05 33 13-1845 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	21.44	
26 05 33 13-1846 EA 2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	23.77	
26 05 33 13-1847 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	27.90	
26 05 33 13-1848 EA 3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	31.74	
26 05 33 13-1849 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	37.45	
26 05 33 13-1850 EA 4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	42.31	
26 05 33 13-1851 EA 5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	52.45	
26 05 33 13-1852 EA 6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	59.33	
26 05 33 13-1853 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial (26 05 33 13-1773) Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).		
26 05 33 13-1854 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial (26 05 33 13-1853) Note: Includes field bending for conduit up to 1".		
26 05 33 13-1855 LF 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial..... For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	10.97 -0.41 -0.69 -0.96	2.05
26 05 33 13-1856 LF 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial..... For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	12.35 -0.47 -0.78 -1.09	2.54

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1857 LF 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	15.23	2.83
For >250 To 500, Deduct	-0.59	
For >500 To 1,000, Deduct	-0.97	
For >1,000, Deduct	-1.35	
26 05 33 13-1858 LF 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	18.46	3.80
For >250 To 500, Deduct	-0.73	
For >500 To 1,000, Deduct	-1.19	
For >1,000, Deduct	-1.65	
26 05 33 13-1859 LF 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	21.74	4.28
For >250 To 500, Deduct	-0.87	
For >500 To 1,000, Deduct	-1.41	
For >1,000, Deduct	-1.95	
26 05 33 13-1860 LF 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	27.62	4.67
For >250 To 500, Deduct	-1.11	
For >500 To 1,000, Deduct	-1.80	
For >1,000, Deduct	-2.49	
26 05 33 13-1861 LF 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	40.23	7.02
For >250 To 500, Deduct	-1.65	
For >500 To 1,000, Deduct	-2.65	
For >1,000, Deduct	-3.66	
26 05 33 13-1862 LF 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	51.80	8.77
For >250 To 500, Deduct	-2.10	
For >500 To 1,000, Deduct	-3.40	
For >1,000, Deduct	-4.69	
26 05 33 13-1863 LF 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	63.89	9.26
For >250 To 500, Deduct	-2.59	
For >500 To 1,000, Deduct	-4.18	
For >1,000, Deduct	-5.78	
26 05 33 13-1864 LF 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	75.83	10.23
For >250 To 500, Deduct	-3.06	
For >500 To 1,000, Deduct	-4.96	
For >1,000, Deduct	-6.85	
26 05 33 13-1865 LF 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	119.61	14.13
For >250 To 500, Deduct	-5.05	
For >500 To 1,000, Deduct	-8.05	
For >1,000, Deduct	-11.04	
26 05 33 13-1866 LF 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	159.94	18.51
For >250 To 500, Deduct	-6.83	
For >500 To 1,000, Deduct	-10.83	
For >1,000, Deduct	-14.82	
26 05 33 13-1867 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial (26 05 33 13-1853)		
26 05 33 13-1868 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	11.77	2.92
26 05 33 13-1869 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	14.00	3.90
26 05 33 13-1870 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	17.80	4.87
26 05 33 13-1871 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	20.12	5.36
26 05 33 13-1872 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	23.84	6.34
26 05 33 13-1873 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	30.96	7.31
26 05 33 13-1874 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	58.00	8.77
26 05 33 13-1875 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	73.50	12.18
26 05 33 13-1876 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	91.29	14.13
26 05 33 13-1877 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	112.69	19.49
26 05 33 13-1878 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	293.77	26.80
26 05 33 13-1879 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	298.51	15.10
26 05 33 13-1880 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial (26 05 33 13-1853)		
Note: 90, 45, or 30 degree.		
26 05 33 13-1881 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	45.12	12.18
26 05 33 13-1882 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	51.76	15.10
26 05 33 13-1883 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	61.74	18.51
26 05 33 13-1884 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	73.24	21.43
26 05 33 13-1885 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	86.04	24.36
26 05 33 13-1886 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	105.68	26.80
26 05 33 13-1887 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	165.36	33.62
26 05 33 13-1888 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	248.40	45.79
26 05 33 13-1889 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	309.05	51.64
26 05 33 13-1890 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	351.98	67.23
26 05 33 13-1891 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	743.40	109.62



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1892	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	1,171.87	164.68
26 05 33 13-1893		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1853)</small>		
26 05 33 13-1894	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	110.67	18.51
26 05 33 13-1895	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	124.32	21.43
26 05 33 13-1896	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	141.96	24.36
26 05 33 13-1897	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	170.21	26.80
26 05 33 13-1898	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	238.40	33.62
26 05 33 13-1899		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1853)</small>		
26 05 33 13-1900	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	123.90	18.51
26 05 33 13-1901	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	146.18	21.43
26 05 33 13-1902	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	157.64	24.36
26 05 33 13-1903	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	204.39	26.80
26 05 33 13-1904	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	271.36	33.62
26 05 33 13-1905	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	346.15	45.79
26 05 33 13-1906		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1853)</small>		
26 05 33 13-1907	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	139.72	18.51
26 05 33 13-1908	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	157.57	21.43
26 05 33 13-1909	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	177.75	24.36
26 05 33 13-1910	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	215.73	26.80
26 05 33 13-1911	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	309.23	33.62
26 05 33 13-1912	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	390.62	45.79
26 05 33 13-1913	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	495.28	51.64
26 05 33 13-1914	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	554.86	67.23
26 05 33 13-1915		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1853)</small>		
26 05 33 13-1916	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	167.04	18.51
26 05 33 13-1917	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	184.29	21.43
26 05 33 13-1918	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	208.10	24.36
26 05 33 13-1919	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	259.42	26.80
26 05 33 13-1920	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	377.02	33.62
26 05 33 13-1921	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	465.96	45.79
26 05 33 13-1922	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	541.28	51.64
26 05 33 13-1923	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	639.31	67.23
26 05 33 13-1924		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1853)</small>		
26 05 33 13-1925	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	188.31	18.51
26 05 33 13-1926	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	209.18	21.43

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1927	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	237.97	24.36
26 05 33 13-1928	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	297.46	26.80
26 05 33 13-1929	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	414.01	33.62
26 05 33 13-1930	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	526.22	45.79
26 05 33 13-1931	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	653.12	51.64
26 05 33 13-1932	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	716.83	67.23
26 05 33 13-1933	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	1,195.96	109.62
26 05 33 13-1934 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial (26 05 33 13-1853)				
26 05 33 13-1935	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	216.11	18.51
26 05 33 13-1936	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	239.23	21.43
26 05 33 13-1937	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	270.71	24.36
26 05 33 13-1938	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	339.65	26.80
26 05 33 13-1939	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	475.64	33.62
26 05 33 13-1940	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	603.00	45.79
26 05 33 13-1941	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	709.16	51.64
26 05 33 13-1942	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	816.91	67.23
26 05 33 13-1943	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	1,266.10	109.62
26 05 33 13-1944	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	1,726.07	164.68
26 05 33 13-1945 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial (26 05 33 13-1853)				
26 05 33 13-1946	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	254.82	18.51
26 05 33 13-1947	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	266.03	21.43
26 05 33 13-1948	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	314.53	24.36
26 05 33 13-1949	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	398.38	26.80
26 05 33 13-1950	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	558.74	33.62
26 05 33 13-1951	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	706.50	45.79
26 05 33 13-1952	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	864.97	51.64
26 05 33 13-1953	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,011.59	67.23
26 05 33 13-1954	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,494.87	109.62
26 05 33 13-1955	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,831.08	164.68
26 05 33 13-1956 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial (26 05 33 13-1853)				
26 05 33 13-1957	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	264.15	18.51
26 05 33 13-1958	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	311.36	21.43
26 05 33 13-1959	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	352.42	24.36
26 05 33 13-1960	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	416.05	26.80
26 05 33 13-1961	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	579.50	33.62
26 05 33 13-1962	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	738.33	45.79
26 05 33 13-1963	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	949.83	51.64
26 05 33 13-1964	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,055.75	67.23



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1965	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,556.33	109.62
26 05 33 13-1966	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,884.44	164.68
26 05 33 13-1967		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial (26 05 33 13-1853)		
26 05 33 13-1968	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	86.23	12.18
26 05 33 13-1969	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	93.20	15.10
26 05 33 13-1970	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	121.48	18.51
26 05 33 13-1971	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	178.78	21.43
26 05 33 13-1972	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	212.65	24.36
26 05 33 13-1973	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	272.06	26.80
26 05 33 13-1974	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	363.00	33.62
26 05 33 13-1975	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	474.99	33.62
26 05 33 13-1976	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	609.09	51.64
26 05 33 13-1977	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	783.92	67.23
26 05 33 13-1978	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,433.15	109.62
26 05 33 13-1979	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,775.09	164.68
26 05 33 13-1980		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial (26 05 33 13-1853)		
26 05 33 13-1981	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	88.31	12.18
26 05 33 13-1982	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	101.16	15.10
26 05 33 13-1983	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	125.72	18.51
26 05 33 13-1984	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	186.57	21.43
26 05 33 13-1985	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	223.46	24.36
26 05 33 13-1986	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	295.40	26.80
26 05 33 13-1987	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	412.95	33.62
26 05 33 13-1988	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	525.78	33.62
26 05 33 13-1989	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	700.92	51.64
26 05 33 13-1990	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	875.42	67.23
26 05 33 13-1991	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	1,600.87	109.62
26 05 33 13-1992	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	2,045.90	164.68
26 05 33 13-1993		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial (26 05 33 13-1853)		
26 05 33 13-1994	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	29.24	5.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.51	
26 05 33 13-1995	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	32.49	7.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.38	
26 05 33 13-1996	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	37.37	9.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.55	
26 05 33 13-1997	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	44.63	10.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.43	
26 05 33 13-1998	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	48.33	12.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.31	
26 05 33 13-1999	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	32.47	6.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.80	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2000	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	34.89	7.31
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.38	
26 05 33 13-2001	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	39.80	9.26
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.55	
26 05 33 13-2002	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	47.20	10.72
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.43	
26 05 33 13-2003	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	51.09	12.18
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.31	
26 05 33 13-2004	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	55.21	13.64
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.18	
26 05 33 13-2005	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	32.64	6.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.80	
26 05 33 13-2006	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	35.06	7.31
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.38	
26 05 33 13-2007	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	40.11	9.26
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.55	
26 05 33 13-2008	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	47.53	10.72
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.43	
26 05 33 13-2009	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	51.42	12.18
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.31	
26 05 33 13-2010	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	56.07	13.64
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.18	
26 05 33 13-2011	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	34.91	6.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.80	
26 05 33 13-2012	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	37.33	7.31
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.38	
26 05 33 13-2013	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	42.55	9.26
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.55	
26 05 33 13-2014	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	48.92	10.72
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.43	
26 05 33 13-2015	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	52.96	12.18
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.31	
26 05 33 13-2016	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	58.75	13.64
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.18	
26 05 33 13-2017	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	83.08	16.57
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.94	
26 05 33 13-2018	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	106.91	22.90
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.74	
26 05 33 13-2019	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	35.08	6.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.80	
26 05 33 13-2020	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	37.65	7.31
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.38	
26 05 33 13-2021	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	42.89	9.26
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.55	
26 05 33 13-2022	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	50.31	10.72
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.43	
26 05 33 13-2023	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	54.49	12.18
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.31	
26 05 33 13-2024	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	61.44	13.64
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.18	
26 05 33 13-2025	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	85.46	16.57
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.94	
26 05 33 13-2026	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	112.02	22.90
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.74	
26 05 33 13-2027	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	134.24	25.82
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.49	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2028	EA		4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	155.60	33.62
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.17	
26 05 33 13-2029	EA		1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	35.39	6.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.80	
26 05 33 13-2030	EA		3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	37.98	7.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.38	
26 05 33 13-2031	EA		1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	43.25	9.26
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.55	
26 05 33 13-2032	EA		1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	50.96	10.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.43	
26 05 33 13-2033	EA		1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	55.16	12.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.31	
26 05 33 13-2034	EA		2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	62.90	13.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.18	
26 05 33 13-2035	EA		2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	94.90	16.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.94	
26 05 33 13-2036	EA		3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	119.67	22.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.74	
26 05 33 13-2037	EA		3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	135.87	25.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.49	
26 05 33 13-2038	EA		4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	159.96	33.62
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.17	
26 05 33 13-2039	EA		5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	236.81	46.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.77	
26 05 33 13-2040	EA		1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	35.99	6.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.80	
26 05 33 13-2041	EA		3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	38.58	7.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.38	
26 05 33 13-2042	EA		1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	43.89	9.26
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.55	
26 05 33 13-2043	EA		1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	52.16	10.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.43	
26 05 33 13-2044	EA		1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	56.60	12.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.31	
26 05 33 13-2045	EA		2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	64.36	13.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.18	
26 05 33 13-2046	EA		2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	104.49	16.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.94	
26 05 33 13-2047	EA		3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	129.83	22.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.74	
26 05 33 13-2048	EA		3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	145.03	25.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.49	
26 05 33 13-2049	EA		4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	175.40	33.62
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.17	
26 05 33 13-2050	EA		5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	259.90	46.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.77	
26 05 33 13-2051	EA		1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	36.93	6.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.80	
26 05 33 13-2052	EA		3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	39.49	7.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.38	
26 05 33 13-2053	EA		1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	45.33	9.26
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.55	
26 05 33 13-2054	EA		1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	52.47	10.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.43	
26 05 33 13-2055	EA		1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	59.52	12.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.31	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2056	EA		2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	71.51	13.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.18	
26 05 33 13-2057	EA		2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	116.28	16.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.94	
26 05 33 13-2058	EA		3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	143.73	22.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.74	
26 05 33 13-2059	EA		3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	167.94	25.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.49	
26 05 33 13-2060	EA		4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	198.58	33.62
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.17	
26 05 33 13-2061	EA		5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	275.72	46.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.77	
26 05 33 13-2062	EA		1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	37.91	6.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.80	
26 05 33 13-2063	EA		3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	40.45	7.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.38	
26 05 33 13-2064	EA		1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	46.75	9.26
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.55	
26 05 33 13-2065	EA		1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	56.79	10.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.43	
26 05 33 13-2066	EA		1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	66.48	12.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.31	
26 05 33 13-2067	EA		2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	82.00	13.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.18	
26 05 33 13-2068	EA		2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	128.75	16.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.94	
26 05 33 13-2069	EA		3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	161.54	22.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.74	
26 05 33 13-2070	EA		3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	192.01	25.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.49	
26 05 33 13-2071	EA		4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	239.14	33.62
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.17	
26 05 33 13-2072	EA		5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	307.29	46.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.77	
26 05 33 13-2073	EA		1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	38.92	6.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.80	
26 05 33 13-2074	EA		3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	41.58	7.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.38	
26 05 33 13-2075	EA		1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	50.34	9.26
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.55	
26 05 33 13-2076	EA		1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	63.88	10.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.43	
26 05 33 13-2077	EA		1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	74.89	12.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.31	
26 05 33 13-2078	EA		2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	90.44	13.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.18	
26 05 33 13-2079	EA		2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	145.38	16.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.94	
26 05 33 13-2080	EA		3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	188.25	22.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.74	
26 05 33 13-2081	EA		3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	206.78	25.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.49	
26 05 33 13-2082	EA		4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	251.58	33.62
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.17	
26 05 33 13-2083	EA		5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	311.79	46.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.77	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2084		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit (26 05 33 13-1773) Note: Direct burial or encased application.		
26 05 33 13-2085		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit (26 05 33 13-2084)		
26 05 33 13-2086	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial For Work In Restricted Working Space, Add	5.68 0.90	1.20
26 05 33 13-2087	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial For Work In Restricted Working Space, Add	6.25 0.97	1.29
26 05 33 13-2088	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial For Work In Restricted Working Space, Add	6.65 1.04	1.38
26 05 33 13-2089	LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial For Work In Restricted Working Space, Add	7.06 1.11	1.47
26 05 33 13-2090	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial For Work In Restricted Working Space, Add	7.56 1.18	1.56
26 05 33 13-2091	LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial For Work In Restricted Working Space, Add	7.89 1.25	1.66
26 05 33 13-2092	LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial For Work In Restricted Working Space, Add	8.86 1.31	1.75
26 05 33 13-2093	LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial For Work In Restricted Working Space, Add	9.98 1.38	1.84
26 05 33 13-2094	LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial For Work In Restricted Working Space, Add	10.88 1.45	1.93
26 05 33 13-2095	LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial For Work In Restricted Working Space, Add	11.78 1.52	2.02
26 05 33 13-2096	LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial For Work In Restricted Working Space, Add	13.69 1.59	2.12
26 05 33 13-2097	LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial For Work In Restricted Working Space, Add	16.02 1.66	2.21
26 05 33 13-2098		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows (26 05 33 13-2084)		
26 05 33 13-2099	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial For Work In Restricted Working Space, Add	72.61 6.92 4.87 7.26 9.65	9.22
26 05 33 13-2100	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial For Work In Restricted Working Space, Add	83.15 8.30 5.54 8.32 11.09	11.06
26 05 33 13-2101	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial For Work In Restricted Working Space, Add	88.32 9.68 5.82 8.83 11.85	12.92
26 05 33 13-2102	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial For Work In Restricted Working Space, Add	93.49 11.07 6.09 9.35 12.61	14.76
26 05 33 13-2103	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial For Work In Restricted Working Space, Add	98.66 12.45 6.36 9.87 13.37	16.60
26 05 33 13-2104	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial For Work In Restricted Working Space, Add	111.15 13.83 7.18 11.12 15.05	18.45
26 05 33 13-2105	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial For Work In Restricted Working Space, Add	128.57 15.22 8.37 12.86 17.34	20.29
26 05 33 13-2106	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial For Work In Restricted Working Space, Add	148.75 16.60 9.77 14.88 19.98	22.13

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2107	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	169.66	25.82
		<i>For Work In Restricted Working Space, Add</i>	19.37	
		<i>For 24" Radius, Add</i>	11.11	
		<i>For 36" Radius, Add</i>	16.97	
		<i>For 48" Radius, Add</i>	22.82	
26 05 33 13-2108	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	190.55	33.19
		<i>For Work In Restricted Working Space, Add</i>	22.13	
		<i>For 24" Radius, Add</i>	12.45	
		<i>For 36" Radius, Add</i>	19.06	
		<i>For 48" Radius, Add</i>	25.66	
26 05 33 13-2109	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	228.96	33.19
		<i>For Work In Restricted Working Space, Add</i>	24.90	
		<i>For 24" Radius, Add</i>	15.10	
		<i>For 36" Radius, Add</i>	22.90	
		<i>For 48" Radius, Add</i>	30.69	
26 05 33 13-2110	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	274.69	36.89
		<i>For Work In Restricted Working Space, Add</i>	27.67	
		<i>For 24" Radius, Add</i>	18.30	
		<i>For 36" Radius, Add</i>	27.47	
		<i>For 48" Radius, Add</i>	36.64	
26 05 33 13-2111		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings (26 05 33 13-2084)		
26 05 33 13-2112	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	33.44	5.16
		<i>For Work In Restricted Working Space, Add</i>	3.88	
26 05 33 13-2113	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	37.63	5.90
		<i>For Work In Restricted Working Space, Add</i>	4.43	
26 05 33 13-2114	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	39.70	6.64
		<i>For Work In Restricted Working Space, Add</i>	4.98	
26 05 33 13-2115	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	41.75	7.37
		<i>For Work In Restricted Working Space, Add</i>	5.54	
26 05 33 13-2116	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	44.05	8.12
		<i>For Work In Restricted Working Space, Add</i>	6.09	
26 05 33 13-2117	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	50.43	8.86
		<i>For Work In Restricted Working Space, Add</i>	6.64	
26 05 33 13-2118	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	58.96	9.96
		<i>For Work In Restricted Working Space, Add</i>	7.47	
26 05 33 13-2119	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	68.53	11.06
		<i>For Work In Restricted Working Space, Add</i>	8.30	
26 05 33 13-2120	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	78.25	12.92
		<i>For Work In Restricted Working Space, Add</i>	9.68	
26 05 33 13-2121	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	87.98	14.76
		<i>For Work In Restricted Working Space, Add</i>	11.07	
26 05 33 13-2122	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	105.36	16.60
		<i>For Work In Restricted Working Space, Add</i>	12.45	
26 05 33 13-2123	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	125.91	18.45
		<i>For Work In Restricted Working Space, Add</i>	13.83	
26 05 33 13-2124		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings (26 05 33 13-2084)		
26 05 33 13-2125	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	24.50	5.16
		<i>For Work In Restricted Working Space, Add</i>	3.88	
26 05 33 13-2126	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	27.62	5.90
		<i>For Work In Restricted Working Space, Add</i>	4.43	
26 05 33 13-2127	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	29.60	6.64
		<i>For Work In Restricted Working Space, Add</i>	4.98	
26 05 33 13-2128	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	31.59	7.37
		<i>For Work In Restricted Working Space, Add</i>	5.54	
26 05 33 13-2129	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	33.56	8.12
		<i>For Work In Restricted Working Space, Add</i>	6.09	
26 05 33 13-2130	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	35.48	8.86
		<i>For Work In Restricted Working Space, Add</i>	6.64	
26 05 33 13-2131	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	40.92	9.96
		<i>For Work In Restricted Working Space, Add</i>	7.47	
26 05 33 13-2132	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	46.89	11.06
		<i>For Work In Restricted Working Space, Add</i>	8.30	
26 05 33 13-2133	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	53.90	12.92
		<i>For Work In Restricted Working Space, Add</i>	9.68	
26 05 33 13-2134	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	60.93	14.76
		<i>For Work In Restricted Working Space, Add</i>	11.07	
26 05 33 13-2135	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	71.57	16.60
		<i>For Work In Restricted Working Space, Add</i>	12.45	
26 05 33 13-2136	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	83.67	18.45
		<i>For Work In Restricted Working Space, Add</i>	13.83	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2137		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings <small>(26 05 33 13-2084)</small>		
26 05 33 13-2138	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	21.76 2.21	2.96
26 05 33 13-2139	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	24.30 2.49	3.32
26 05 33 13-2140	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	25.39 2.77	3.69
26 05 33 13-2141	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	26.41 3.04	4.06
26 05 33 13-2142	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	27.70 3.32	4.43
26 05 33 13-2143	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	32.73 3.88	5.16
26 05 33 13-2144	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	39.44 4.70	6.27
26 05 33 13-2145	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	46.96 5.54	7.37
26 05 33 13-2146	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	55.12 6.92	9.22
26 05 33 13-2147	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	63.30 8.30	11.06
26 05 33 13-2148	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	76.80 9.68	12.92
26 05 33 13-2149	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	92.57 11.07	14.76
26 05 33 13-2150		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints <small>(26 05 33 13-2084)</small>		
26 05 33 13-2151	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	61.97 13.83	18.45
26 05 33 13-2152	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	72.92 16.60	22.13
26 05 33 13-2153	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	82.35 19.37	25.82
26 05 33 13-2154	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	91.68 22.13	29.51
26 05 33 13-2155	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	96.69 23.51	31.35
26 05 33 13-2156	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	104.79 24.90	33.19
26 05 33 13-2157	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	113.77 26.28	35.04
26 05 33 13-2158	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	123.61 27.67	36.89
26 05 33 13-2159	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	132.15 29.05	38.74
26 05 33 13-2160	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	140.68 30.43	40.58
26 05 33 13-2161	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	155.10 31.82	42.42
26 05 33 13-2162	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	171.98 33.20	44.27
26 05 33 13-2163		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints <small>(26 05 33 13-2084)</small>		
26 05 33 13-2164	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	68.41 13.83	18.45
26 05 33 13-2165	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	80.15 16.60	22.13
26 05 33 13-2166	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	89.61 19.37	25.82
26 05 33 13-2167	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	99.01 22.13	29.51
26 05 33 13-2168	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	104.09 23.51	31.35
26 05 33 13-2169	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	113.24 24.90	33.19
26 05 33 13-2170	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	123.91 26.28	35.04
26 05 33 13-2171	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	135.78 27.67	36.89
26 05 33 13-2172	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	145.84 29.05	38.74
26 05 33 13-2173	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	155.90 30.43	40.58
26 05 33 13-2174	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	174.17 31.82	42.42

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2175 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	195.82 33.20	44.27
26 05 33 13-2176 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters <small>(26 05 33 13-2084)</small>		
26 05 33 13-2177 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	65.95 3.88	5.16
26 05 33 13-2178 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	73.67 4.43	5.90
26 05 33 13-2179 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	77.32 4.98	6.64
26 05 33 13-2180 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	81.06 5.54	7.37
26 05 33 13-2181 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	83.88 6.09	8.12
26 05 33 13-2182 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	91.77 6.64	8.86
26 05 33 13-2183 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	108.48 7.47	9.96
26 05 33 13-2184 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	127.89 8.30	11.06
26 05 33 13-2185 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	145.04 9.68	12.92
26 05 33 13-2186 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	162.19 11.07	14.76
26 05 33 13-2187 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	198.18 12.45	16.60
26 05 33 13-2188 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	240.74 13.83	18.45
26 05 33 13-2189 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints <small>(26 05 33 13-2084)</small>		
26 05 33 13-2190 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	79.61 13.83	18.45
26 05 33 13-2191 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	92.56 16.60	22.13
26 05 33 13-2192 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	110.55 19.37	25.82
26 05 33 13-2193 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	135.78 22.13	29.51
26 05 33 13-2194 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	163.39 23.51	31.35
26 05 33 13-2195 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	208.98 24.90	33.19
26 05 33 13-2196 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	285.86 26.28	35.04
26 05 33 13-2197 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	338.05 27.67	36.89
26 05 33 13-2198 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	399.16 29.05	38.74
26 05 33 13-2199 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	460.28 30.43	40.58
26 05 33 13-2200 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	532.29 31.82	42.42
26 05 33 13-2201 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	834.29 33.20	44.27
26 05 33 13-2202 Spacers <small>(26 05 33 13-1773)</small> Note: For concrete encasement applications. See CSI section 03 31 13 00-0039 for concrete., 26 05 33 13-1773 for conduit.		
26 05 33 13-2203 EA 1" Base Spacers, Average 4" Wide, Direct Burial	9.70	
26 05 33 13-2204 EA 1" Intermediate Spacers, Average 4" Wide, Direct Burial.....	10.43	
26 05 33 13-2205 EA 1-1/4" Base Spacer, Average 4" Wide, Direct Burial	11.54	
26 05 33 13-2206 EA 1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial.....	12.43	
26 05 33 13-2207 EA 1-1/2" Base Spacer, Average 4" Wide, Direct Burial.....	11.64	
26 05 33 13-2208 EA 1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial.....	12.50	
26 05 33 13-2209 EA 2" Base Spacer, Average 4" Wide, Direct Burial	14.47	
26 05 33 13-2210 EA 2" Intermediate Spacers, Average 4" Wide, Direct Burial.....	13.43	
26 05 33 13-2211 EA 2-1/2" Base Spacer, Average 4" Wide, Direct Burial	16.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2212 EA 2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	15.47	
26 05 33 13-2213 EA 3" Base Spacer, Average 4" Wide, Direct Burial	18.30	
26 05 33 13-2214 EA 3" Intermediate Spacers, Average 4" Wide, Direct Burial	17.48	
26 05 33 13-2215 EA 3-1/2" Base Spacer, Average 4" Wide, Direct Burial	19.85	
26 05 33 13-2216 EA 3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	18.96	
26 05 33 13-2217 EA 4" Base Spacer, Average 4" Wide, Direct Burial	20.43	
26 05 33 13-2218 EA 4" Intermediate Spacers, Average 4" Wide, Direct Burial	19.50	
26 05 33 13-2219 EA 5" Base Spacer, Average 4" Wide, Direct Burial	22.60	
26 05 33 13-2220 EA 5" Intermediate Spacers, Average 4" Wide, Direct Burial	21.49	
26 05 33 13-2221 EA 6" Base Spacer, Average 4" Wide, Direct Burial	25.45	
26 05 33 13-2222 EA 6" Intermediate Spacers, Average 4" Wide, Direct Burial	24.51	
 26 05 33 13-2223 Conduit Field Bending (26 05 33 13-0057)		
26 05 33 13-2224 Metallic Conduit Field Bending (26 05 33 13-2223)		
Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), Intermediate Metal Conduit (IMC) and aluminum conduits.		
26 05 33 13-2225 EA 1-1/4" Metallic Conduit Field Bending	16.46	
26 05 33 13-2226 EA 1-1/2" Metallic Conduit Field Bending	21.95	
26 05 33 13-2227 EA 2" Metallic Conduit Field Bending	27.44	
26 05 33 13-2228 EA 2-1/2" Metallic Conduit Field Bending	38.42	
26 05 33 13-2229 EA 3" Metallic Conduit Field Bending	49.39	
26 05 33 13-2230 EA 3-1/2" Metallic Conduit Field Bending	60.37	
26 05 33 13-2231 EA 4" Metallic Conduit Field Bending	71.35	
26 05 33 13-2232 EA 5" Metallic Conduit Field Bending	87.81	
26 05 33 13-2233 EA 6" Metallic Conduit Field Bending	104.27	
 26 05 33 13-2234 Plastic Conduit Field Bending (26 05 33 13-2223)		
Note: For PVC conduits.		
26 05 33 13-2235 EA 1" Plastic Conduit Field Bending	25.24	
26 05 33 13-2236 EA 1-1/4" Plastic Conduit Field Bending	27.44	
26 05 33 13-2237 EA 1-1/2" Plastic Conduit Field Bending	32.93	
26 05 33 13-2238 EA 2" Plastic Conduit Field Bending	43.90	
26 05 33 13-2239 EA 2-1/2" Plastic Conduit Field Bending	54.88	
26 05 33 13-2240 EA 3" Plastic Conduit Field Bending	65.85	
26 05 33 13-2241 EA 3-1/2" Plastic Conduit Field Bending	76.83	
26 05 33 13-2242 EA 4" Plastic Conduit Field Bending	87.81	
26 05 33 13-2243 EA 5" Plastic Conduit Field Bending	98.79	
26 05 33 13-2244 EA 6" Plastic Conduit Field Bending	109.76	
 26 05 33 13-2245 Cut And Thread Existing In-Place Threaded Conduit (26 05 33 13-0057)		
Note: For use when connecting conduit to an existing in-place system.		
26 05 33 13-2246 EA 1/2", Cut And Thread Existing In-Place Threaded Conduit	32.06	
For Work In Restricted Working Space, Add	9.62	
26 05 33 13-2247 EA 3/4", Cut And Thread Existing In-Place Threaded Conduit	35.26	
For Work In Restricted Working Space, Add	10.58	
26 05 33 13-2248 EA 1", Cut And Thread Existing In-Place Threaded Conduit	38.47	
For Work In Restricted Working Space, Add	11.54	
26 05 33 13-2249 EA 1-1/4", Cut And Thread Existing In-Place Threaded Conduit	41.67	
For Work In Restricted Working Space, Add	12.50	
26 05 33 13-2250 EA 1-1/2", Cut And Thread Existing In-Place Threaded Conduit	43.81	
For Work In Restricted Working Space, Add	13.14	
26 05 33 13-2251 EA 2", Cut And Thread Existing In-Place Threaded Conduit	45.95	
For Work In Restricted Working Space, Add	13.79	
26 05 33 13-2252 EA 2-1/2", Cut And Thread Existing In-Place Threaded Conduit	48.09	
For Work In Restricted Working Space, Add	14.43	
26 05 33 13-2253 EA 3", Cut And Thread Existing In-Place Threaded Conduit	50.22	
For Work In Restricted Working Space, Add	15.07	
26 05 33 13-2254 EA 3-1/2", Cut And Thread Existing In-Place Threaded Conduit	51.29	
For Work In Restricted Working Space, Add	15.39	
26 05 33 13-2255 EA 4", Cut And Thread Existing In-Place Threaded Conduit	52.36	
For Work In Restricted Working Space, Add	15.71	
26 05 33 13-2256 EA 5", Cut And Thread Existing In-Place Threaded Conduit	54.50	
For Work In Restricted Working Space, Add	16.35	
26 05 33 13-2257 EA 6", Cut And Thread Existing In-Place Threaded Conduit	56.64	
For Work In Restricted Working Space, Add	16.99	
 26 05 33 13-2258 Flexible Conduit (26 05 33 13-0057)		
26 05 33 13-2259 Flexible Liquid Tight Metallic Conduit And Connectors (26 05 33 13-2258)		
Note: Steel inner core with PVC cover.		
26 05 33 13-2260 Flexible Liquid Tight Metallic Conduit (26 05 33 13-2259)		
26 05 33 13-2261 LF 3/8" Flexible Liquid Tight Metallic Conduit	3.93	1.17
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.44	
For Work In Restricted Working Space, Add	0.88	
26 05 33 13-2262 LF 1/2" Flexible Liquid Tight Metallic Conduit	4.08	1.17
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.44	
For Work In Restricted Working Space, Add	0.88	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2263 LF 3/4" Flexible Liquid Tight Metallic Conduit.....	5.47	1.55
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.59	
For Work In Restricted Working Space, Add	1.17	
26 05 33 13-2264 LF 1" Flexible Liquid Tight Metallic Conduit.....	6.27	1.55
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.59	
For Work In Restricted Working Space, Add	1.17	
26 05 33 13-2265 LF 1-1/4" Flexible Liquid Tight Metallic Conduit.....	8.10	1.95
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.73	
For Work In Restricted Working Space, Add	1.46	
26 05 33 13-2266 LF 1-1/2" Flexible Liquid Tight Metallic Conduit.....	10.39	2.34
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.88	
For Work In Restricted Working Space, Add	1.76	
26 05 33 13-2267 LF 2" Flexible Liquid Tight Metallic Conduit.....	13.67	3.12
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.17	
For Work In Restricted Working Space, Add	2.34	
26 05 33 13-2268 LF 2-1/2" Flexible Liquid Tight Metallic Conduit.....	18.47	3.51
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.32	
For Work In Restricted Working Space, Add	2.63	
26 05 33 13-2269 LF 3" Flexible Liquid Tight Metallic Conduit.....	27.04	4.28
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.61	
For Work In Restricted Working Space, Add	3.22	
26 05 33 13-2270 LF 4" Flexible Liquid Tight Metallic Conduit.....	36.93	5.46
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.05	
For Work In Restricted Working Space, Add	4.09	
26 05 33 13-2271 Straight Liquid Tight Connector (26 05 33 13-2259)		
26 05 33 13-2272 EA 3/8" Straight Liquid Tight Connector.....	10.67	3.12
For Work In Restricted Working Space, Add	2.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.34	
26 05 33 13-2273 EA 1/2" Straight Liquid Tight Connector.....	10.67	3.12
For Work In Restricted Working Space, Add	2.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.34	
26 05 33 13-2274 EA 3/4" Straight Liquid Tight Connector.....	12.89	3.51
For Work In Restricted Working Space, Add	2.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.63	
26 05 33 13-2275 EA 1" Straight Liquid Tight Connector.....	17.11	3.90
For Work In Restricted Working Space, Add	2.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.93	
26 05 33 13-2276 EA 1-1/4" Straight Liquid Tight Connector.....	21.85	4.28
For Work In Restricted Working Space, Add	3.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
26 05 33 13-2277 EA 1-1/2" Straight Liquid Tight Connector.....	27.56	4.67
For Work In Restricted Working Space, Add	3.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.51	
26 05 33 13-2278 EA 2" Straight Liquid Tight Connector.....	37.82	5.46
For Work In Restricted Working Space, Add	4.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.09	
26 05 33 13-2279 EA 2-1/2" Straight Liquid Tight Connector.....	127.33	7.02
For Work In Restricted Working Space, Add	5.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.26	
26 05 33 13-2280 EA 3" Straight Liquid Tight Connector.....	163.90	7.40
For Work In Restricted Working Space, Add	5.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.55	
26 05 33 13-2281 EA 4" Straight Liquid Tight Connector.....	200.92	10.91
For Work In Restricted Working Space, Add	8.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.18	
26 05 33 13-2282 90 Degree Angle Liquid Tight Connector (26 05 33 13-2259)		
26 05 33 13-2283 EA 3/8" 90 Degree Angle Liquid Tight Connector.....	15.53	4.28
For Work In Restricted Working Space, Add	3.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
26 05 33 13-2284 EA 1/2" 90 Degree Angle Liquid Tight Connector.....	16.15	4.28
For Work In Restricted Working Space, Add	3.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
26 05 33 13-2285 EA 3/4" 90 Degree Angle Liquid Tight Connector.....	18.22	4.67
For Work In Restricted Working Space, Add	3.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.51	
26 05 33 13-2286 EA 1" 90 Degree Angle Liquid Tight Connector.....	25.51	5.46
For Work In Restricted Working Space, Add	4.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.09	
26 05 33 13-2287 EA 1-1/4" 90 Degree Angle Liquid Tight Connector.....	31.97	5.85
For Work In Restricted Working Space, Add	4.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.38	
26 05 33 13-2288 EA 1-1/2" 90 Degree Angle Liquid Tight Connector.....	38.65	6.24
For Work In Restricted Working Space, Add	4.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.68	
26 05 33 13-2289 EA 2" 90 Degree Angle Liquid Tight Connector.....	50.92	7.02
For Work In Restricted Working Space, Add	5.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.26	
26 05 33 13-2290 EA 2-1/2" 90 Degree Angle Liquid Tight Connector.....	177.49	7.40
For Work In Restricted Working Space, Add	5.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.55	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2291	EA	3" 90 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	209.70 6.43 6.43	8.57
26 05 33 13-2292	EA	4" 90 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	290.39 10.23 10.23	13.64
26 05 33 13-2293 45 Degree Angle Connector (26 05 33 13-2259)				
26 05 33 13-2294	EA	3/8" 45 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.32 3.22 3.22	4.28
26 05 33 13-2295	EA	1/2" 45 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.47 3.22 3.22	4.28
26 05 33 13-2296	EA	3/4" 45 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.22 3.51 3.51	4.67
26 05 33 13-2297	EA	1" 45 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.20 4.09 4.09	5.46
26 05 33 13-2298	EA	1-1/4" 45 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.87 4.38 4.38	5.85
26 05 33 13-2299	EA	1-1/2" 45 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.55 4.68 4.68	6.24
26 05 33 13-2300 Flexible Metallic Conduit And Connectors (26 05 33 13-2258)				
26 05 33 13-2301 Flexible Steel Conduit (26 05 33 13-2300)				
26 05 33 13-2302	LF	3/8" Flexible Metallic Conduit..... <i>For Flexible Aluminum Conduit, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Work In Restricted Working Space, Add</i>	3.83 0.12 0.47 0.31 0.78 0.94	1.28
26 05 33 13-2303	LF	1/2" Flexible Metallic Conduit..... <i>For Flexible Aluminum Conduit, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Work In Restricted Working Space, Add</i>	3.97 0.13 0.48 0.32 0.80 0.96	1.28
26 05 33 13-2304	LF	3/4" Flexible Metallic Conduit..... <i>For Flexible Aluminum Conduit, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Work In Restricted Working Space, Add</i>	4.52 0.17 0.52 0.35 0.87 1.04	1.70
26 05 33 13-2305	LF	1" Flexible Metallic Conduit..... <i>For Flexible Aluminum Conduit, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Work In Restricted Working Space, Add</i>	5.68 0.32 0.56 0.37 0.93 1.12	1.70
26 05 33 13-2306	LF	1-1/4" Flexible Metallic Conduit..... <i>For Flexible Aluminum Conduit, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Work In Restricted Working Space, Add</i>	6.49 0.42 0.59 0.40 0.99 1.19	2.14
26 05 33 13-2307	LF	1-1/2" Flexible Metallic Conduit..... <i>For Flexible Aluminum Conduit, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Work In Restricted Working Space, Add</i>	8.57 0.74 0.62 0.41 1.03 1.23	2.56
26 05 33 13-2308	LF	2" Flexible Metallic Conduit..... <i>For Flexible Aluminum Conduit, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Work In Restricted Working Space, Add</i>	9.74 0.90 0.64 0.43 1.07 1.28	3.41
26 05 33 13-2309	LF	2-1/2" Flexible Steel Conduit..... <i>For Flexible Aluminum Conduit, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Work In Restricted Working Space, Add</i>	11.95 1.09 0.80 0.53 1.33 1.60	3.84
26 05 33 13-2310	LF	3" Flexible Metallic Conduit..... <i>For Flexible Aluminum Conduit, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Work In Restricted Working Space, Add</i>	17.90 1.90 0.96 0.64 1.60 1.92	4.69

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2311 LF 3-1/2" Flexible Metallic Conduit.....	21.97	5.12
For Flexible Aluminum Conduit, Add	2.39	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.12	
For Installation In Metal Stud Wall, Add	0.75	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.87	
For Work In Restricted Working Space, Add	2.24	
26 05 33 13-2312 LF 4" Flexible Metallic Conduit.....	25.26	5.98
For Flexible Aluminum Conduit, Add	2.76	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.28	
For Installation In Metal Stud Wall, Add	0.85	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.13	
For Work In Restricted Working Space, Add	2.56	
26 05 33 13-2313 Plain Squeeze Type Straight Connector (26 05 33 13-2300)		
26 05 33 13-2314 EA 3/8" Flexible Straight Connectors, Plain.....	6.57	3.41
For Work In Restricted Working Space, Add	1.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.44	
26 05 33 13-2315 EA 1/2" Flexible Straight Connectors, Plain.....	8.13	3.84
For Work In Restricted Working Space, Add	1.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.60	
26 05 33 13-2316 EA 3/4" Flexible Straight Connectors, Plain.....	9.35	4.69
For Work In Restricted Working Space, Add	1.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.92	
26 05 33 13-2317 EA 1" Flexible Straight Connectors, Plain.....	15.01	5.12
For Work In Restricted Working Space, Add	2.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.56	
26 05 33 13-2318 EA 1-1/4" Flexible Straight Connectors, Plain.....	21.28	5.98
For Work In Restricted Working Space, Add	3.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.20	
26 05 33 13-2319 EA 1-1/2" Flexible Straight Connectors, Plain.....	28.06	7.25
For Work In Restricted Working Space, Add	4.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.00	
26 05 33 13-2320 EA 2" Flexible Straight Connectors, Plain.....	36.95	7.25
For Work In Restricted Working Space, Add	4.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.80	
26 05 33 13-2321 EA 2-1/2" Flexible Straight Connectors, Plain.....	59.82	8.96
For Work In Restricted Working Space, Add	5.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.60	
26 05 33 13-2322 EA 3" Flexible Straight Connectors, Plain.....	78.37	9.81
For Work In Restricted Working Space, Add	6.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.40	
26 05 33 13-2323 EA 3-1/2" Flexible Straight Connectors, Plain.....	244.61	11.52
For Work In Restricted Working Space, Add	7.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.20	
26 05 33 13-2324 EA 4" Flexible Straight Connectors, Plain.....	305.76	14.08
For Work In Restricted Working Space, Add	8.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.00	
26 05 33 13-2325 Insulated Throat Squeeze Type Straight Connector (26 05 33 13-2300)		
26 05 33 13-2326 EA 1/2" Flexible Straight Connectors, Insulated.....	9.10	3.84
For Work In Restricted Working Space, Add	1.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.60	
26 05 33 13-2327 EA 3/4" Flexible Straight Connectors, Insulated.....	10.62	4.69
For Work In Restricted Working Space, Add	1.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.92	
26 05 33 13-2328 EA 1" Flexible Straight Connectors, Insulated.....	16.73	5.12
For Work In Restricted Working Space, Add	2.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.56	
26 05 33 13-2329 EA 1-1/4" Flexible Straight Connectors, Insulated.....	24.44	5.98
For Work In Restricted Working Space, Add	3.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.20	
26 05 33 13-2330 EA 1-1/2" Flexible Straight Connectors, Insulated.....	33.69	6.40
For Work In Restricted Working Space, Add	4.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.00	
26 05 33 13-2331 EA 2" Flexible Straight Connectors, Insulated.....	46.89	7.25
For Work In Restricted Working Space, Add	4.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.80	
26 05 33 13-2332 EA 2-1/2" Flexible Straight Connectors, Insulated.....	81.09	8.96
For Work In Restricted Working Space, Add	5.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.60	
26 05 33 13-2333 EA 3" Flexible Straight Connectors, Insulated.....	103.45	9.81
For Work In Restricted Working Space, Add	6.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.40	
26 05 33 13-2334 EA 3-1/2" Flexible Straight Connectors, Insulated.....	283.26	11.52
For Work In Restricted Working Space, Add	7.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.20	
26 05 33 13-2335 EA 4" Flexible Straight Connectors, Insulated.....	363.88	14.08
For Work In Restricted Working Space, Add	8.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.00	

26 05 33 13-2336 Plain Squeeze Type 90 Degree Connector (26 05 33 13-2300)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2337 EA 3/8" Flexible 90 Degree Connector, Plain For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.23 1.92 1.92	4.27
26 05 33 13-2338 EA 1/2" Flexible 90 Degree Connector, Plain For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.20 2.24 2.24	4.69
26 05 33 13-2339 EA 3/4" Flexible 90 Degree Connector, Plain For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.94 2.56 2.56	5.12
26 05 33 13-2340 EA 1" Flexible 90 Degree Connector, Plain For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.36 3.20 3.20	5.98
26 05 33 13-2341 EA 1-1/4" Flexible 90 Degree Connector, Plain For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.00 3.84 3.84	6.40
26 05 33 13-2342 EA 1-1/2" Flexible 90 Degree Connector, Plain For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	54.80 4.80 4.80	7.47
26 05 33 13-2343 EA 2" Flexible 90 Degree Connector, Plain For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.12 5.44 5.44	9.17
26 05 33 13-2344 EA 2-1/2" Flexible 90 Degree Connector, Plain For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	146.38 6.40 6.40	9.81
26 05 33 13-2345 EA 3" Flexible 90 Degree Connector, Plain For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	188.17 7.20 7.20	11.52
26 05 33 13-2346 EA 3-1/2" Flexible 90 Degree Connector, Plain For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	400.02 8.00 8.00	14.08
26 05 33 13-2347 EA 4" Flexible 90 Degree Connector, Plain For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	715.19 9.60 9.60	16.00
26 05 33 13-2348 Insulated Throat Squeeze Type 90 Degree Connector (26 05 33 13-2300)		
26 05 33 13-2349 EA 1/2" Flexible 90 Degree Connector, Insulated For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.54 2.24 2.24	4.69
26 05 33 13-2350 EA 3/4" Flexible 90 Degree Connector, Insulated For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.59 2.56 2.56	5.12
26 05 33 13-2351 EA 1" Flexible 90 Degree Connector, Insulated For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.36 3.20 3.20	5.98
26 05 33 13-2352 EA 1-1/4" Flexible 90 Degree Connector, Insulated For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.87 3.84 3.84	6.40
26 05 33 13-2353 EA 1-1/2" Flexible 90 Degree Connector, Insulated For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	65.45 4.80 4.80	7.47
26 05 33 13-2354 EA 2" Flexible 90 Degree Connector, Insulated For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.44 5.44 5.44	9.17
26 05 33 13-2355 EA 2-1/2" Flexible 90 Degree Connector, Insulated For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	200.55 6.40 6.40	9.81
26 05 33 13-2356 EA 3" Flexible 90 Degree Connector, Insulated For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	246.85 7.20 7.20	11.52
26 05 33 13-2357 EA 3-1/2" Flexible 90 Degree Connector, Insulated For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	665.98 8.00 8.00	14.08
26 05 33 13-2358 EA 4" Flexible 90 Degree Connector, Insulated For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	993.74 9.60 9.60	16.00
26 05 33 13-2359 Plain Squeeze Type 45 Degree Connector (26 05 33 13-2300)		
26 05 33 13-2360 EA 3/8" Flexible 45 Degree Connector, Plain For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.31 1.92 1.92	4.27
26 05 33 13-2361 EA 1/2" Flexible 45 Degree Connector, Plain For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.93 2.24 2.24	4.69
26 05 33 13-2362 EA 3/4" Flexible 45 Degree Connector, Plain For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.87 2.56 2.56	5.12
26 05 33 13-2363 Insulated Squeeze Type 45 Degree Connector (26 05 33 13-2300)		
26 05 33 13-2364 EA 3/8" Flexible 45 Degree Connector, Insulated For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.05 1.92 1.92	5.12

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2365 EA 1/2" Flexible 45 Degree Connector, Insulated.....	15.16	4.69
For Work In Restricted Working Space, Add	2.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.24	
26 05 33 13-2366 EA 3/4" Flexible 45 Degree Connector, Insulated.....	19.60	5.12
For Work In Restricted Working Space, Add	2.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.56	
26 05 33 13-2367 Plain Screw-In Connector (26 05 33 13-2300)		
26 05 33 13-2368 EA 3/8" Flexible Steel Screw-in Connector, Plain.....	5.45	3.41
For Work In Restricted Working Space, Add	1.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.44	
26 05 33 13-2369 EA 1/2" Flexible Steel Screw-in Connector, Plain.....	5.87	3.84
For Work In Restricted Working Space, Add	1.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.60	
26 05 33 13-2370 EA 3/4" Flexible Steel Screw-in Connector, Plain.....	7.50	4.69
For Work In Restricted Working Space, Add	1.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.92	
26 05 33 13-2371 EA 1" Flexible Steel Screw-in Connector, Plain.....	10.74	5.12
For Work In Restricted Working Space, Add	2.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.56	
26 05 33 13-2372 EA 1-1/4" Flexible Steel Screw-in Connector, Plain.....	15.84	5.98
For Work In Restricted Working Space, Add	3.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.20	
26 05 33 13-2373 EA 1-1/2" Flexible Steel Screw-in Connector, Plain.....	19.35	6.40
For Work In Restricted Working Space, Add	4.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.00	
26 05 33 13-2374 EA 2" Flexible Steel Screw-in Connector, Plain.....	28.51	7.25
For Work In Restricted Working Space, Add	4.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.80	
26 05 33 13-2375 Insulated Screw-In Connector (26 05 33 13-2300)		
26 05 33 13-2376 EA 3/8" Flexible Steel Screw-in Connector, Insulated.....	5.77	3.41
For Work In Restricted Working Space, Add	1.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.44	
26 05 33 13-2377 EA 1/2" Flexible Steel Screw-in Connector, Insulated.....	6.13	3.84
For Work In Restricted Working Space, Add	1.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.60	
26 05 33 13-2378 EA 3/4" Flexible Steel Screw-in Connector, Insulated.....	8.16	4.69
For Work In Restricted Working Space, Add	1.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.92	
26 05 33 13-2379 EA 1" Flexible Steel Screw-in Connector, Insulated.....	11.74	5.12
For Work In Restricted Working Space, Add	2.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.56	
26 05 33 13-2380 EA 1-1/4" Flexible Steel Screw-in Connector, Insulated.....	17.27	5.98
For Work In Restricted Working Space, Add	3.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.20	
26 05 33 13-2381 EA 1-1/2" Flexible Steel Screw-in Connector, Insulated.....	21.06	6.40
For Work In Restricted Working Space, Add	4.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.00	
26 05 33 13-2382 EA 2" Flexible Steel Screw-in Connector, Insulated.....	30.01	7.25
For Work In Restricted Working Space, Add	4.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.80	
26 05 33 13-2383 Screw-In Coupling (26 05 33 13-2300)		
26 05 33 13-2384 EA 1/2" Flexible Steel Screw-in Coupling.....	6.50	3.84
For Work In Restricted Working Space, Add	1.60	
26 05 33 13-2385 EA 3/4" Flexible Steel Screw-in Coupling.....	8.53	4.69
For Work In Restricted Working Space, Add	1.92	
26 05 33 13-2386 Flexible To Electrical Metallic Tubing (EMT) Coupling (26 05 33 13-2300)		
26 05 33 13-2387 EA 3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling.....	8.78	3.41
For Work In Restricted Working Space, Add	1.44	
26 05 33 13-2388 EA 1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling.....	11.96	3.84
For Work In Restricted Working Space, Add	1.60	
26 05 33 13-2389 EA 3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling.....	15.83	4.69
For Work In Restricted Working Space, Add	1.92	
26 05 33 13-2390 Die Cast Squeeze Type Straight Connector (26 05 33 13-2300)		
26 05 33 13-2391 EA 3/8" Flexible Straight Connector, Die Cast.....	5.65	3.41
For Work In Restricted Working Space, Add	1.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.44	
26 05 33 13-2392 EA 1/2" Flexible Straight Connector, Die Cast.....	6.39	3.84
For Work In Restricted Working Space, Add	1.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.60	
26 05 33 13-2393 EA 3/4" Flexible Straight Connector, Die Cast.....	7.94	4.69
For Work In Restricted Working Space, Add	1.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.92	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2394	EA	1" Flexible Straight Connector, Die Cast.....	11.97	5.12
		For Work In Restricted Working Space, Add	2.56	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.56	
26 05 33 13-2395	EA	1-1/4" Flexible Straight Connector, Die Cast.....	16.15	5.98
		For Work In Restricted Working Space, Add	3.20	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.20	
26 05 33 13-2396	EA	1-1/2" Flexible Straight Connector, Die Cast.....	21.92	6.40
		For Work In Restricted Working Space, Add	4.00	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.00	
26 05 33 13-2397	EA	2" Flexible Straight Connector, Die Cast.....	28.37	7.25
		For Work In Restricted Working Space, Add	4.80	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.80	
26 05 33 13-2398		Die Cast Squeeze Type 90 Degree Connector (26 05 33 13-2300)		
26 05 33 13-2399	EA	3/8" Flexible 90 Degree Connector, Die Cast.....	7.48	4.27
		For Work In Restricted Working Space, Add	1.92	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.92	
26 05 33 13-2400	EA	1/2" Flexible 90 Degree Connector, Die Cast.....	9.29	4.69
		For Work In Restricted Working Space, Add	2.24	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.24	
26 05 33 13-2401	EA	3/4" Flexible 90 Degree Connector, Die Cast.....	11.28	5.12
		For Work In Restricted Working Space, Add	2.56	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.56	
26 05 33 13-2402	EA	1" Flexible 90 Degree Connector, Die Cast.....	17.93	5.98
		For Work In Restricted Working Space, Add	3.20	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.20	
26 05 33 13-2403	EA	1-1/4" Flexible 90 Degree Connector, Die Cast.....	25.47	6.40
		For Work In Restricted Working Space, Add	3.84	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.84	
26 05 33 13-2404	EA	1-1/2" Flexible 90 Degree Connector, Die Cast.....	39.65	7.47
		For Work In Restricted Working Space, Add	4.80	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.80	
26 05 33 13-2405	EA	2" Flexible 90 Degree Connector, Die Cast.....	47.43	9.17
		For Work In Restricted Working Space, Add	5.44	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.44	
26 05 33 13-2406		Flexible Liquid Tight Non-Metallic Conduit And Connectors (26 05 33 13-2258)		
26 05 33 13-2407		Flexible Liquid Tight Non-Metallic Conduit (26 05 33 13-2406)		
26 05 33 13-2408	LF	3/8" Flexible Liquid Tight Non-Metallic Conduit.....	3.59	1.17
		For Work In Restricted Working Space, Add	0.88	
26 05 33 13-2409	LF	1/2" Flexible Liquid Tight Non-Metallic Conduit.....	3.64	1.17
		For Work In Restricted Working Space, Add	0.88	
26 05 33 13-2410	LF	3/4" Flexible Liquid Tight Non-Metallic Conduit.....	4.90	1.55
		For Work In Restricted Working Space, Add	1.17	
26 05 33 13-2411	LF	1" Flexible Liquid Tight Non-Metallic Conduit.....	5.92	1.55
		For Work In Restricted Working Space, Add	1.17	
26 05 33 13-2412	LF	1-1/4" Flexible Liquid Tight Non-Metallic Conduit.....	7.50	1.95
		For Work In Restricted Working Space, Add	1.46	
26 05 33 13-2413	LF	1-1/2" Flexible Liquid Tight Non-Metallic Conduit.....	9.51	2.34
		For Work In Restricted Working Space, Add	1.76	
26 05 33 13-2414	LF	2" Flexible Liquid Tight Non-Metallic Conduit.....	12.25	3.12
		For Work In Restricted Working Space, Add	2.34	
26 05 33 13-2415		Liquid Tight Non-Metallic Straight Connector (26 05 33 13-2406)		
26 05 33 13-2416	EA	3/8" Liquid Tight Non-Metallic Straight Connector.....	10.25	3.12
		For Work In Restricted Working Space, Add	2.34	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.34	
26 05 33 13-2417	EA	1/2" Liquid Tight Non-Metallic Straight Connector.....	10.25	3.12
		For Work In Restricted Working Space, Add	2.34	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.34	
26 05 33 13-2418	EA	3/4" Liquid Tight Non-Metallic Straight Connector.....	12.41	3.51
		For Work In Restricted Working Space, Add	2.63	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.63	
26 05 33 13-2419	EA	1" Liquid Tight Non-Metallic Straight Connector.....	15.22	3.90
		For Work In Restricted Working Space, Add	2.93	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.93	
26 05 33 13-2420	EA	1-1/4" Liquid Tight Non-Metallic Straight Connector.....	20.54	4.28
		For Work In Restricted Working Space, Add	3.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
26 05 33 13-2421	EA	1-1/2" Liquid Tight Non-Metallic Straight Connector.....	25.36	4.67
		For Work In Restricted Working Space, Add	3.51	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.51	
26 05 33 13-2422	EA	2" Liquid Tight Non-Metallic Straight Connector.....	38.71	5.46
		For Work In Restricted Working Space, Add	4.09	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.09	
26 05 33 13-2423		Liquid Tight Non-Metallic 90 Degree Angle Connector (26 05 33 13-2406)		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2424 EA 3/8" Liquid Tight Non-Metallic 90 Degree Angle Connector .....14.72	14.72	4.28
For Work In Restricted Working Space, Add	3.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
26 05 33 13-2425 EA 1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector .....14.72	14.72	4.28
For Work In Restricted Working Space, Add	3.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
26 05 33 13-2426 EA 3/4" Liquid Tight Non-Metallic 90 Degree Angle Connector .....17.85	17.85	4.67
For Work In Restricted Working Space, Add	3.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.51	
26 05 33 13-2427 EA 1" Liquid Tight Non-Metallic 90 Degree Angle Connector .....24.76	24.76	5.46
For Work In Restricted Working Space, Add	4.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.09	
26 05 33 13-2428 EA 1-1/4" Liquid Tight Non-Metallic 90 Degree Angle Connector .....25.67	25.67	5.85
For Work In Restricted Working Space, Add	4.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.38	
26 05 33 13-2429 EA 1-1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector .....39.31	39.31	6.24
For Work In Restricted Working Space, Add	4.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.68	
26 05 33 13-2430 EA 2" Liquid Tight Non-Metallic 90 Degree Angle Connector .....52.24	52.24	7.02
For Work In Restricted Working Space, Add	5.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.26	
26 05 33 13-2431 Liquid Tight Non-Metallic 45 Degree Angle Connector (26 05 33 13-2406)		
26 05 33 13-2432 EA 3/8" Liquid Tight Non-Metallic 45 Degree Angle Connector .....14.72	14.72	4.28
For Work In Restricted Working Space, Add	3.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
26 05 33 13-2433 EA 1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector .....14.72	14.72	4.28
For Work In Restricted Working Space, Add	3.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
26 05 33 13-2434 EA 3/4" Liquid Tight Non-Metallic 45 Degree Angle Connector .....17.85	17.85	4.67
For Work In Restricted Working Space, Add	3.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.51	
26 05 33 13-2435 EA 1" Liquid Tight Non-Metallic 45 Degree Angle Connector .....24.76	24.76	5.46
For Work In Restricted Working Space, Add	4.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.09	
26 05 33 13-2436 EA 1-1/4" Liquid Tight Non-Metallic 45 Degree Angle Connector .....25.67	25.67	5.85
For Work In Restricted Working Space, Add	4.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.38	
26 05 33 13-2437 EA 1-1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector .....39.31	39.31	6.24
For Work In Restricted Working Space, Add	4.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.68	
26 05 33 13-2438 EA 2" Liquid Tight Non-Metallic 45 Degree Angle Connector .....52.24	52.24	7.02
For Work In Restricted Working Space, Add	5.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.26	
26 05 33 13-2439 Blue ENT Electrical Non-Metallic Tubing (26 05 33 13-2258)		
Note: Carlon - FLEX-PLUS.		
26 05 33 13-2440 Blue ENT Electrical Non-Metallic Tubing (26 05 33 13-2439)		
26 05 33 13-2441 LF 1/2" Blue ENT Electrical Non-Metallic Tubing .....3.90	3.90	1.28
For Work In Restricted Working Space, Add	0.96	
26 05 33 13-2442 LF 3/4" Blue ENT Electrical Non-Metallic Tubing .....5.24	5.24	1.70
For Work In Restricted Working Space, Add	1.28	
26 05 33 13-2443 LF 1" Blue ENT Electrical Non-Metallic Tubing .....5.84	5.84	1.70
For Work In Restricted Working Space, Add	1.28	
26 05 33 13-2444 Terminal Adapter (26 05 33 13-2439)		
26 05 33 13-2445 EA 1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing .....9.67	9.67	3.41
For Work In Restricted Working Space, Add	2.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.56	
26 05 33 13-2446 EA 3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing .....11.69	11.69	3.84
For Work In Restricted Working Space, Add	2.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.88	
26 05 33 13-2447 EA 1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing .....13.35	13.35	4.27
For Work In Restricted Working Space, Add	3.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.20	
26 05 33 13-2448 Coupling (26 05 33 13-2439)		
26 05 33 13-2449 EA 1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing .....9.52	9.52	3.41
For Work In Restricted Working Space, Add	2.56	
26 05 33 13-2450 EA 3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing .....10.89	10.89	3.84
For Work In Restricted Working Space, Add	2.88	
26 05 33 13-2451 EA 1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing .....12.61	12.61	4.27
For Work In Restricted Working Space, Add	3.20	
26 05 33 13-2452 Conduit Bodies (26 05 33 13-0057)		
26 05 33 13-2453 Threaded, Cast Aluminum Conduit Body (26 05 33 13-2452)		



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2454		Type LB, Threaded, Two Hub Cast Aluminum Conduit Body (26 05 33 13-2453)		
26 05 33 13-2455	EA	1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	53.40	18.70
		For Mogul LB, Add	2.63	
		For Work In Restricted Working Space, Add	14.03	
		For Elevated Installation >10' To 15', Add	4.68	
		For Elevated Installation >15' To 20', Add	9.36	
		For Elevated Installation >20' To 25', Add	11.70	
		For Elevated Installation >25' To 30', Add	16.37	
		For Elevated Installation >30' To 35', Add	18.71	
		For Elevated Installation >35' To 40', Add	23.39	
		For Elevated Installation >40', Add	25.73	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.03	
26 05 33 13-2456	EA	3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	62.58	21.43
		For Mogul LB, Add	4.06	
		For Work In Restricted Working Space, Add	16.08	
		For Elevated Installation >10' To 15', Add	5.36	
		For Elevated Installation >15' To 20', Add	10.72	
		For Elevated Installation >20' To 25', Add	13.40	
		For Elevated Installation >25' To 30', Add	18.76	
		For Elevated Installation >30' To 35', Add	21.44	
		For Elevated Installation >35' To 40', Add	26.80	
		For Elevated Installation >40', Add	29.47	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.08	
26 05 33 13-2457	EA	1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	75.16	24.94
		For Mogul LB, Add	6.48	
		For Work In Restricted Working Space, Add	18.71	
		For Elevated Installation >10' To 15', Add	6.24	
		For Elevated Installation >15' To 20', Add	12.47	
		For Elevated Installation >20' To 25', Add	15.59	
		For Elevated Installation >25' To 30', Add	21.83	
		For Elevated Installation >30' To 35', Add	24.94	
		For Elevated Installation >35' To 40', Add	31.18	
		For Elevated Installation >40', Add	34.30	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.71	
26 05 33 13-2458	EA	1-1/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	90.24	28.45
		For Mogul LB, Add	10.78	
		For Work In Restricted Working Space, Add	21.34	
		For Elevated Installation >10' To 15', Add	7.11	
		For Elevated Installation >15' To 20', Add	14.23	
		For Elevated Installation >20' To 25', Add	17.78	
		For Elevated Installation >25' To 30', Add	24.90	
		For Elevated Installation >30' To 35', Add	28.45	
		For Elevated Installation >35' To 40', Add	35.57	
		For Elevated Installation >40', Add	39.12	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.34	
26 05 33 13-2459	EA	1-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	102.61	31.18
		For Mogul LB, Add	14.60	
		For Work In Restricted Working Space, Add	23.39	
		For Elevated Installation >10' To 15', Add	7.80	
		For Elevated Installation >15' To 20', Add	15.59	
		For Elevated Installation >20' To 25', Add	19.49	
		For Elevated Installation >25' To 30', Add	27.28	
		For Elevated Installation >30' To 35', Add	31.18	
		For Elevated Installation >35' To 40', Add	38.98	
		For Elevated Installation >40', Add	42.87	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.39	
26 05 33 13-2460	EA	2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	133.36	37.42
		For Mogul LB, Add	25.19	
		For Work In Restricted Working Space, Add	28.06	
		For Elevated Installation >10' To 15', Add	9.35	
		For Elevated Installation >15' To 20', Add	18.71	
		For Elevated Installation >20' To 25', Add	23.39	
		For Elevated Installation >25' To 30', Add	32.74	
		For Elevated Installation >30' To 35', Add	37.42	
		For Elevated Installation >35' To 40', Add	46.77	
		For Elevated Installation >40', Add	51.45	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.06	
26 05 33 13-2461	EA	2-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	219.68	52.61
		For Mogul LB, Add	59.53	
		For Work In Restricted Working Space, Add	39.46	
		For Elevated Installation >10' To 15', Add	13.15	
		For Elevated Installation >15' To 20', Add	26.31	
		For Elevated Installation >20' To 25', Add	32.89	
		For Elevated Installation >25' To 30', Add	46.04	
		For Elevated Installation >30' To 35', Add	52.62	
		For Elevated Installation >35' To 40', Add	65.77	
		For Elevated Installation >40', Add	72.35	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.46	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2462	EA	3" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	289.19	70.15	
		For Mogul LB, Add	76.58		
		For Work In Restricted Working Space, Add	52.62		
		For Elevated Installation >10' To 15', Add	17.54		
		For Elevated Installation >15' To 20', Add	35.08		
		For Elevated Installation >20' To 25', Add	43.85		
		For Elevated Installation >25' To 30', Add	61.39		
		For Elevated Installation >30' To 35', Add	70.16		
		For Elevated Installation >35' To 40', Add	87.70		
		For Elevated Installation >40', Add	96.46		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.62		
26 05 33 13-2463	EA	3-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	381.99	87.69	
		For Mogul LB, Add	111.11		
		For Work In Restricted Working Space, Add	65.77		
		For Elevated Installation >10' To 15', Add	21.92		
		For Elevated Installation >15' To 20', Add	43.85		
		For Elevated Installation >20' To 25', Add	54.81		
		For Elevated Installation >25' To 30', Add	76.73		
		For Elevated Installation >30' To 35', Add	87.69		
		For Elevated Installation >35' To 40', Add	109.62		
		For Elevated Installation >40', Add	120.58		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	65.77		
26 05 33 13-2464	EA	4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	493.15	106.79	
		For Mogul LB, Add	156.28		
		For Work In Restricted Working Space, Add	80.09		
		For Elevated Installation >10' To 15', Add	26.70		
		For Elevated Installation >15' To 20', Add	53.40		
		For Elevated Installation >20' To 25', Add	66.75		
		For Elevated Installation >25' To 30', Add	93.44		
		For Elevated Installation >30' To 35', Add	106.79		
		For Elevated Installation >35' To 40', Add	133.49		
		For Elevated Installation >40', Add	146.84		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	80.09		
26 05 33 13-2465		Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover (26 05 33 13-2463)			
26 05 33 13-2466	EA	1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	54.21	18.70	
		For Mogul LB, Add	3.23		
		For Work In Restricted Working Space, Add	14.03		
		For Elevated Installation >10' To 15', Add	4.68		
		For Elevated Installation >15' To 20', Add	9.36		
		For Elevated Installation >20' To 25', Add	11.70		
		For Elevated Installation >25' To 30', Add	16.37		
		For Elevated Installation >30' To 35', Add	18.71		
		For Elevated Installation >35' To 40', Add	23.39		
		For Elevated Installation >40', Add	25.73		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.03		
26 05 33 13-2467	EA	3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	63.37	21.43	
		For Mogul LB, Add	4.66		
		For Work In Restricted Working Space, Add	16.08		
		For Elevated Installation >10' To 15', Add	5.36		
		For Elevated Installation >15' To 20', Add	10.72		
		For Elevated Installation >20' To 25', Add	13.40		
		For Elevated Installation >25' To 30', Add	18.76		
		For Elevated Installation >30' To 35', Add	21.44		
		For Elevated Installation >35' To 40', Add	26.80		
		For Elevated Installation >40', Add	29.47		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.08		
26 05 33 13-2468	EA	1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	76.74	24.94	
		For Mogul LB, Add	7.67		
		For Work In Restricted Working Space, Add	18.71		
		For Elevated Installation >10' To 15', Add	6.24		
		For Elevated Installation >15' To 20', Add	12.47		
		For Elevated Installation >20' To 25', Add	15.59		
		For Elevated Installation >25' To 30', Add	21.83		
		For Elevated Installation >30' To 35', Add	24.94		
		For Elevated Installation >35' To 40', Add	31.18		
		For Elevated Installation >40', Add	34.30		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.71		
26 05 33 13-2469	EA	1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	92.17	28.45	
		For Mogul LB, Add	12.22		
		For Work In Restricted Working Space, Add	21.34		
		For Elevated Installation >10' To 15', Add	7.11		
		For Elevated Installation >15' To 20', Add	14.23		
		For Elevated Installation >20' To 25', Add	17.78		
		For Elevated Installation >25' To 30', Add	24.90		
		For Elevated Installation >30' To 35', Add	28.45		
		For Elevated Installation >35' To 40', Add	35.57		
		For Elevated Installation >40', Add	39.12		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.34		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2470	EA	1-1/2"	Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover For Mogul LB, Add For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.89 17.06 23.39 7.80 15.59 19.49 27.28 31.18 38.98 42.87 23.39	31.18
26 05 33 13-2471	EA	2"	Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover For Mogul LB, Add For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	140.41 30.48 28.06 9.35 18.71 23.39 32.74 37.42 46.77 51.45 28.06	37.42
26 05 33 13-2472	EA	2-1/2"	Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover For Mogul LB, Add For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	216.13 56.87 39.46 13.15 26.31 32.89 46.04 52.62 65.77 72.35 39.46	52.61
26 05 33 13-2473	EA	3"	Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover For Mogul LB, Add For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	277.25 67.63 52.62 17.54 35.08 43.85 61.39 70.16 87.70 96.46 52.62	70.15
26 05 33 13-2474	EA	3-1/2"	Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover For Mogul LB, Add For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	392.17 118.74 65.77 21.92 43.85 54.81 76.73 87.69 109.62 120.58 65.77	87.69
26 05 33 13-2475	EA	4"	Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover For Mogul LB, Add For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	513.96 171.89 80.09 26.70 53.40 66.75 93.44 106.79 133.49 146.84 80.09	106.79
26 05 33 13-2476	Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover (26 05 33 13-2453)				
26 05 33 13-2477	EA	1/2"	Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	62.37 16.08 5.36 10.72 13.40 18.76 21.44 26.80 29.47 16.08	21.43

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2478	EA	3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	73.66	24.94
		For Work In Restricted Working Space, Add	18.71	
		For Elevated Installation >10' To 15', Add	6.24	
		For Elevated Installation >15' To 20', Add	12.47	
		For Elevated Installation >20' To 25', Add	15.59	
		For Elevated Installation >25' To 30', Add	21.83	
		For Elevated Installation >30' To 35', Add	24.94	
		For Elevated Installation >35' To 40', Add	31.18	
		For Elevated Installation >40', Add	34.30	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.71	
26 05 33 13-2479	EA	1" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	84.20	27.28
		For Work In Restricted Working Space, Add	20.46	
		For Elevated Installation >10' To 15', Add	6.82	
		For Elevated Installation >15' To 20', Add	13.64	
		For Elevated Installation >20' To 25', Add	17.05	
		For Elevated Installation >25' To 30', Add	23.87	
		For Elevated Installation >30' To 35', Add	27.28	
		For Elevated Installation >35' To 40', Add	34.11	
		For Elevated Installation >40', Add	37.52	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.46	
26 05 33 13-2480	EA	1-1/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	102.19	31.18
		For Work In Restricted Working Space, Add	23.39	
		For Elevated Installation >10' To 15', Add	7.80	
		For Elevated Installation >15' To 20', Add	15.59	
		For Elevated Installation >20' To 25', Add	19.49	
		For Elevated Installation >25' To 30', Add	27.28	
		For Elevated Installation >30' To 35', Add	31.18	
		For Elevated Installation >35' To 40', Add	38.98	
		For Elevated Installation >40', Add	42.87	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.39	
26 05 33 13-2481	EA	1-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	117.26	34.30
		For Work In Restricted Working Space, Add	25.73	
		For Elevated Installation >10' To 15', Add	8.58	
		For Elevated Installation >15' To 20', Add	17.15	
		For Elevated Installation >20' To 25', Add	21.44	
		For Elevated Installation >25' To 30', Add	30.01	
		For Elevated Installation >30' To 35', Add	34.30	
		For Elevated Installation >35' To 40', Add	42.88	
		For Elevated Installation >40', Add	47.16	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.73	
26 05 33 13-2482	EA	2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	154.25	40.15
		For Work In Restricted Working Space, Add	30.11	
		For Elevated Installation >10' To 15', Add	10.04	
		For Elevated Installation >15' To 20', Add	20.07	
		For Elevated Installation >20' To 25', Add	25.09	
		For Elevated Installation >25' To 30', Add	35.13	
		For Elevated Installation >30' To 35', Add	40.14	
		For Elevated Installation >35' To 40', Add	50.18	
		For Elevated Installation >40', Add	55.20	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.11	
26 05 33 13-2483	EA	2-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	241.38	58.46
		For Work In Restricted Working Space, Add	43.85	
		For Elevated Installation >10' To 15', Add	14.62	
		For Elevated Installation >15' To 20', Add	29.23	
		For Elevated Installation >20' To 25', Add	36.54	
		For Elevated Installation >25' To 30', Add	51.16	
		For Elevated Installation >30' To 35', Add	58.46	
		For Elevated Installation >35' To 40', Add	73.08	
		For Elevated Installation >40', Add	80.39	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.85	
26 05 33 13-2484	EA	3" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	312.07	76.00
		For Work In Restricted Working Space, Add	57.00	
		For Elevated Installation >10' To 15', Add	19.00	
		For Elevated Installation >15' To 20', Add	38.00	
		For Elevated Installation >20' To 25', Add	47.50	
		For Elevated Installation >25' To 30', Add	66.50	
		For Elevated Installation >30' To 35', Add	76.00	
		For Elevated Installation >35' To 40', Add	95.01	
		For Elevated Installation >40', Add	104.51	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.00	
26 05 33 13-2485	EA	3-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	487.37	93.54
		For Work In Restricted Working Space, Add	70.16	
		For Elevated Installation >10' To 15', Add	23.39	
		For Elevated Installation >15' To 20', Add	46.77	
		For Elevated Installation >20' To 25', Add	58.46	
		For Elevated Installation >25' To 30', Add	81.85	
		For Elevated Installation >30' To 35', Add	93.54	
		For Elevated Installation >35' To 40', Add	116.93	
		For Elevated Installation >40', Add	128.62	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	70.16	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2486	EA	4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	560.73 84.48 28.16 56.32 70.40 98.56 112.64 140.80 154.87 84.48	112.64
26 05 33 13-2487		Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover (26 05 33 13-2483)		
26 05 33 13-2488	EA	3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.37 14.03 4.68 9.36 11.70 16.37 18.71 23.39 25.73 14.03	18.70
26 05 33 13-2489	EA	3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.81 16.08 5.36 10.72 13.40 18.76 21.44 26.80 29.47 16.08	21.43
26 05 33 13-2490	EA	1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.13 18.42 6.14 12.28 15.35 21.49 24.56 30.70 33.76 18.42	24.55
26 05 33 13-2491	EA	1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.40 21.34 7.11 14.23 17.78 24.90 28.45 35.57 39.12 21.34	28.45
26 05 33 13-2492	EA	1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102.07 23.39 7.80 15.59 19.49 27.28 31.18 38.98 42.87 23.39	31.18
26 05 33 13-2493	EA	2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	133.42 28.06 9.35 18.71 23.39 32.74 37.42 46.77 51.45 28.06	37.42
26 05 33 13-2494	EA	2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	213.14 39.46 13.15 26.31 32.89 46.04 52.62 65.77 72.35 39.46	52.61

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2495	EA	3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	.....	275.34	70.15
		For Work In Restricted Working Space, Add		52.62	
		For Elevated Installation >10' To 15', Add		17.54	
		For Elevated Installation >15' To 20', Add		35.08	
		For Elevated Installation >20' To 25', Add		43.85	
		For Elevated Installation >25' To 30', Add		61.39	
		For Elevated Installation >30' To 35', Add		70.16	
		For Elevated Installation >35' To 40', Add		87.70	
		For Elevated Installation >40', Add		96.46	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		52.62	
26 05 33 13-2496	EA	3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	.....	386.05	87.69
		For Work In Restricted Working Space, Add		65.77	
		For Elevated Installation >10' To 15', Add		21.92	
		For Elevated Installation >15' To 20', Add		43.85	
		For Elevated Installation >20' To 25', Add		54.81	
		For Elevated Installation >25' To 30', Add		76.73	
		For Elevated Installation >30' To 35', Add		87.69	
		For Elevated Installation >35' To 40', Add		109.62	
		For Elevated Installation >40', Add		120.58	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		65.77	
26 05 33 13-2497	EA	4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	.....	495.06	106.79
		For Work In Restricted Working Space, Add		80.09	
		For Elevated Installation >10' To 15', Add		26.70	
		For Elevated Installation >15' To 20', Add		53.40	
		For Elevated Installation >20' To 25', Add		66.75	
		For Elevated Installation >25' To 30', Add		93.44	
		For Elevated Installation >30' To 35', Add		106.79	
		For Elevated Installation >35' To 40', Add		133.49	
		For Elevated Installation >40', Add		146.84	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		80.09	
26 05 33 13-2498		Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover (26 05 33 13-2493)			
26 05 33 13-2499	EA	1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	.....	72.16	24.55
		For Work In Restricted Working Space, Add		18.42	
		For Elevated Installation >10' To 15', Add		6.14	
		For Elevated Installation >15' To 20', Add		12.28	
		For Elevated Installation >20' To 25', Add		15.35	
		For Elevated Installation >25' To 30', Add		21.49	
		For Elevated Installation >30' To 35', Add		24.56	
		For Elevated Installation >35' To 40', Add		30.70	
		For Elevated Installation >40', Add		33.76	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		18.42	
26 05 33 13-2500	EA	3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	.....	82.78	27.28
		For Work In Restricted Working Space, Add		20.46	
		For Elevated Installation >10' To 15', Add		6.82	
		For Elevated Installation >15' To 20', Add		13.64	
		For Elevated Installation >20' To 25', Add		17.05	
		For Elevated Installation >25' To 30', Add		23.87	
		For Elevated Installation >30' To 35', Add		27.28	
		For Elevated Installation >35' To 40', Add		34.11	
		For Elevated Installation >40', Add		37.52	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		20.46	
26 05 33 13-2501	EA	1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	.....	99.69	30.01
		For Work In Restricted Working Space, Add		22.51	
		For Elevated Installation >10' To 15', Add		7.50	
		For Elevated Installation >15' To 20', Add		15.01	
		For Elevated Installation >20' To 25', Add		18.76	
		For Elevated Installation >25' To 30', Add		26.26	
		For Elevated Installation >30' To 35', Add		30.01	
		For Elevated Installation >35' To 40', Add		37.52	
		For Elevated Installation >40', Add		41.27	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		22.51	
26 05 33 13-2502	EA	1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	.....	114.78	34.30
		For Work In Restricted Working Space, Add		25.73	
		For Elevated Installation >10' To 15', Add		8.58	
		For Elevated Installation >15' To 20', Add		17.15	
		For Elevated Installation >20' To 25', Add		21.44	
		For Elevated Installation >25' To 30', Add		30.01	
		For Elevated Installation >30' To 35', Add		34.30	
		For Elevated Installation >35' To 40', Add		42.88	
		For Elevated Installation >40', Add		47.16	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		25.73	
26 05 33 13-2503	EA	1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	.....	144.39	37.42
		For Work In Restricted Working Space, Add		28.06	
		For Elevated Installation >10' To 15', Add		9.35	
		For Elevated Installation >15' To 20', Add		18.71	
		For Elevated Installation >20' To 25', Add		23.39	
		For Elevated Installation >25' To 30', Add		32.74	
		For Elevated Installation >30' To 35', Add		37.42	
		For Elevated Installation >35' To 40', Add		46.77	
		For Elevated Installation >40', Add		51.45	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		28.06	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2504	EA	2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	174.94	45.99
		For Work In Restricted Working Space, Add	34.49	
		For Elevated Installation >10' To 15', Add	11.50	
		For Elevated Installation >15' To 20', Add	23.00	
		For Elevated Installation >20' To 25', Add	28.75	
		For Elevated Installation >25' To 30', Add	40.24	
		For Elevated Installation >30' To 35', Add	45.99	
		For Elevated Installation >35' To 40', Add	57.49	
		For Elevated Installation >40', Add	63.24	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.49	
26 05 33 13-2505	EA	2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	317.34	67.42
		For Work In Restricted Working Space, Add	50.57	
		For Elevated Installation >10' To 15', Add	16.86	
		For Elevated Installation >15' To 20', Add	33.71	
		For Elevated Installation >20' To 25', Add	42.14	
		For Elevated Installation >25' To 30', Add	59.00	
		For Elevated Installation >30' To 35', Add	67.43	
		For Elevated Installation >35' To 40', Add	84.29	
		For Elevated Installation >40', Add	92.71	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.57	
26 05 33 13-2506	EA	3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	393.51	87.69
		For Work In Restricted Working Space, Add	65.77	
		For Elevated Installation >10' To 15', Add	21.92	
		For Elevated Installation >15' To 20', Add	43.85	
		For Elevated Installation >20' To 25', Add	54.81	
		For Elevated Installation >25' To 30', Add	76.73	
		For Elevated Installation >30' To 35', Add	87.69	
		For Elevated Installation >35' To 40', Add	109.62	
		For Elevated Installation >40', Add	120.58	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	65.77	
26 05 33 13-2507	EA	3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	553.91	108.35
		For Work In Restricted Working Space, Add	81.85	
		For Elevated Installation >10' To 15', Add	27.28	
		For Elevated Installation >15' To 20', Add	54.57	
		For Elevated Installation >20' To 25', Add	68.21	
		For Elevated Installation >25' To 30', Add	95.49	
		For Elevated Installation >30' To 35', Add	109.13	
		For Elevated Installation >35' To 40', Add	136.42	
		For Elevated Installation >40', Add	150.06	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	81.85	
26 05 33 13-2508	EA	4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	668.36	130.18
		For Work In Restricted Working Space, Add	97.64	
		For Elevated Installation >10' To 15', Add	32.55	
		For Elevated Installation >15' To 20', Add	65.09	
		For Elevated Installation >20' To 25', Add	81.36	
		For Elevated Installation >25' To 30', Add	113.91	
		For Elevated Installation >30' To 35', Add	130.18	
		For Elevated Installation >35' To 40', Add	162.73	
		For Elevated Installation >40', Add	179.00	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	97.64	
26 05 33 13-2509		Threaded, Malleable Iron Conduit Body (26 05 33 13-2452)		
26 05 33 13-2510		Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover (26 05 33 13-2509)		
26 05 33 13-2511	EA	1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	55.65	18.70
		For Work In Restricted Working Space, Add	14.03	
		For Elevated Installation >10' To 15', Add	4.68	
		For Elevated Installation >15' To 20', Add	9.36	
		For Elevated Installation >20' To 25', Add	11.70	
		For Elevated Installation >25' To 30', Add	16.37	
		For Elevated Installation >30' To 35', Add	18.71	
		For Elevated Installation >35' To 40', Add	23.39	
		For Elevated Installation >40', Add	25.73	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.03	
26 05 33 13-2512	EA	3/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	64.46	21.43
		For Work In Restricted Working Space, Add	16.07	
		For Elevated Installation >10' To 15', Add	5.36	
		For Elevated Installation >15' To 20', Add	10.72	
		For Elevated Installation >20' To 25', Add	13.40	
		For Elevated Installation >25' To 30', Add	18.75	
		For Elevated Installation >30' To 35', Add	21.43	
		For Elevated Installation >35' To 40', Add	26.79	
		For Elevated Installation >40', Add	29.47	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.07	
26 05 33 13-2513	EA	1" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	78.57	24.94
		For Work In Restricted Working Space, Add	18.71	
		For Elevated Installation >10' To 15', Add	6.24	
		For Elevated Installation >15' To 20', Add	12.47	
		For Elevated Installation >20' To 25', Add	15.59	
		For Elevated Installation >25' To 30', Add	21.83	
		For Elevated Installation >30' To 35', Add	24.94	
		For Elevated Installation >35' To 40', Add	31.18	
		For Elevated Installation >40', Add	34.30	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.71	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2514 EA 1-1/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	100.22	28.45
For Work In Restricted Working Space, Add	21.34	
For Elevated Installation >10' To 15', Add	7.11	
For Elevated Installation >15' To 20', Add	14.23	
For Elevated Installation >20' To 25', Add	17.78	
For Elevated Installation >25' To 30', Add	24.90	
For Elevated Installation >30' To 35', Add	28.45	
For Elevated Installation >35' To 40', Add	35.57	
For Elevated Installation >40', Add	39.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.34	
26 05 33 13-2515 EA 1-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	113.63	31.18
For Work In Restricted Working Space, Add	23.39	
For Elevated Installation >10' To 15', Add	7.80	
For Elevated Installation >15' To 20', Add	15.59	
For Elevated Installation >20' To 25', Add	19.49	
For Elevated Installation >25' To 30', Add	27.28	
For Elevated Installation >30' To 35', Add	31.18	
For Elevated Installation >35' To 40', Add	38.98	
For Elevated Installation >40', Add	42.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.39	
26 05 33 13-2516 EA 2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	153.25	37.42
For Work In Restricted Working Space, Add	28.06	
For Elevated Installation >10' To 15', Add	9.35	
For Elevated Installation >15' To 20', Add	18.71	
For Elevated Installation >20' To 25', Add	23.39	
For Elevated Installation >25' To 30', Add	32.74	
For Elevated Installation >30' To 35', Add	37.42	
For Elevated Installation >35' To 40', Add	46.77	
For Elevated Installation >40', Add	51.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.06	
26 05 33 13-2517 EA 2-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	253.78	52.61
For Work In Restricted Working Space, Add	39.47	
For Elevated Installation >10' To 15', Add	13.16	
For Elevated Installation >15' To 20', Add	26.31	
For Elevated Installation >20' To 25', Add	32.89	
For Elevated Installation >25' To 30', Add	46.04	
For Elevated Installation >30' To 35', Add	52.62	
For Elevated Installation >35' To 40', Add	65.78	
For Elevated Installation >40', Add	72.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.47	
26 05 33 13-2518 EA 3" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	357.73	70.15
For Work In Restricted Working Space, Add	52.62	
For Elevated Installation >10' To 15', Add	17.54	
For Elevated Installation >15' To 20', Add	35.08	
For Elevated Installation >20' To 25', Add	43.85	
For Elevated Installation >25' To 30', Add	61.39	
For Elevated Installation >30' To 35', Add	70.16	
For Elevated Installation >35' To 40', Add	87.70	
For Elevated Installation >40', Add	96.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.62	
26 05 33 13-2519 EA 3-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	489.18	87.69
For Work In Restricted Working Space, Add	65.77	
For Elevated Installation >10' To 15', Add	21.92	
For Elevated Installation >15' To 20', Add	43.85	
For Elevated Installation >20' To 25', Add	54.81	
For Elevated Installation >25' To 30', Add	76.73	
For Elevated Installation >30' To 35', Add	87.70	
For Elevated Installation >35' To 40', Add	109.62	
For Elevated Installation >40', Add	120.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	65.77	
26 05 33 13-2520 EA 4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	586.19	106.79
For Work In Restricted Working Space, Add	80.10	
For Elevated Installation >10' To 15', Add	26.70	
For Elevated Installation >15' To 20', Add	53.40	
For Elevated Installation >20' To 25', Add	66.75	
For Elevated Installation >25' To 30', Add	93.45	
For Elevated Installation >30' To 35', Add	106.80	
For Elevated Installation >35' To 40', Add	133.50	
For Elevated Installation >40', Add	146.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	80.10	
26 05 33 13-2521 Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover (26 05 33 13-2509)		
26 05 33 13-2522 EA 1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	57.71	18.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.03	
26 05 33 13-2523 EA 3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	65.06	21.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.07	
26 05 33 13-2524 EA 1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	81.71	24.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.71	
26 05 33 13-2525 EA 1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	102.32	28.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.34	
26 05 33 13-2526 EA 1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	116.20	31.18
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.39	
26 05 33 13-2527 EA 2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	147.98	37.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.06	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2528	EA	2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	224.47 39.47	52.61
26 05 33 13-2529	EA	3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	305.03 52.62	70.15
26 05 33 13-2530	EA	3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	520.21 65.77	87.69
26 05 33 13-2531	EA	4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	609.08 80.10	106.79
26 05 33 13-2532 Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-2509)</small>				
26 05 33 13-2533	EA	1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.24 16.08 5.36 10.72 13.40 18.76 21.44 26.80 29.47 16.08	21.43
26 05 33 13-2534	EA	3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.46 19.00 6.33 12.67 15.83 22.17 25.33 31.67 34.83 19.00	24.94
26 05 33 13-2535	EA	1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.12 20.46 6.82 13.64 17.05 23.87 27.28 34.11 37.52 20.46	27.28
26 05 33 13-2536	EA	1-1/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.12 23.09 7.70 15.39 19.24 26.94 30.79 38.49 42.33 23.09	31.18
26 05 33 13-2537	EA	1-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134.00 25.73 8.58 17.15 21.44 30.01 34.30 42.88 47.16 25.73	34.30
26 05 33 13-2538	EA	2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	175.95 30.11 10.04 20.07 25.09 35.13 40.14 50.18 55.20 30.11	40.15
26 05 33 13-2539	EA	2-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	225.46 43.85 14.62 29.23 36.54 51.16 58.46 73.08 80.39 43.85	58.46

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2540	EA		3" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	321.79	76.00
			For Work In Restricted Working Space, Add	57.00	
			For Elevated Installation >10' To 15', Add	19.00	
			For Elevated Installation >15' To 20', Add	38.00	
			For Elevated Installation >20' To 25', Add	47.50	
			For Elevated Installation >25' To 30', Add	66.50	
			For Elevated Installation >30' To 35', Add	76.00	
			For Elevated Installation >35' To 40', Add	95.01	
			For Elevated Installation >40', Add	104.51	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.00	
26 05 33 13-2541	EA		3-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	549.16	93.54
			For Work In Restricted Working Space, Add	70.16	
			For Elevated Installation >10' To 15', Add	23.39	
			For Elevated Installation >15' To 20', Add	46.77	
			For Elevated Installation >20' To 25', Add	58.46	
			For Elevated Installation >25' To 30', Add	81.85	
			For Elevated Installation >30' To 35', Add	93.54	
			For Elevated Installation >35' To 40', Add	116.93	
			For Elevated Installation >40', Add	128.62	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	70.16	
26 05 33 13-2542	EA		4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	637.06	112.64
			For Work In Restricted Working Space, Add	84.77	
			For Elevated Installation >10' To 15', Add	28.26	
			For Elevated Installation >15' To 20', Add	56.52	
			For Elevated Installation >20' To 25', Add	70.65	
			For Elevated Installation >25' To 30', Add	98.90	
			For Elevated Installation >30' To 35', Add	113.03	
			For Elevated Installation >35' To 40', Add	141.29	
			For Elevated Installation >40', Add	155.42	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	84.77	
26 05 33 13-2543 Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover (26 05 33 13-2509)					
26 05 33 13-2544	EA		1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	55.80	18.70
			For Work In Restricted Working Space, Add	14.03	
			For Elevated Installation >10' To 15', Add	4.68	
			For Elevated Installation >15' To 20', Add	9.35	
			For Elevated Installation >20' To 25', Add	11.69	
			For Elevated Installation >25' To 30', Add	16.37	
			For Elevated Installation >30' To 35', Add	18.71	
			For Elevated Installation >35' To 40', Add	23.39	
			For Elevated Installation >40', Add	25.72	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.03	
26 05 33 13-2545	EA		3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	67.13	21.43
			For Work In Restricted Working Space, Add	16.08	
			For Elevated Installation >10' To 15', Add	5.36	
			For Elevated Installation >15' To 20', Add	10.72	
			For Elevated Installation >20' To 25', Add	13.40	
			For Elevated Installation >25' To 30', Add	18.76	
			For Elevated Installation >30' To 35', Add	21.44	
			For Elevated Installation >35' To 40', Add	26.80	
			For Elevated Installation >40', Add	29.47	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.08	
26 05 33 13-2546	EA		1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	78.34	24.55
			For Work In Restricted Working Space, Add	18.42	
			For Elevated Installation >10' To 15', Add	6.14	
			For Elevated Installation >15' To 20', Add	12.28	
			For Elevated Installation >20' To 25', Add	15.35	
			For Elevated Installation >25' To 30', Add	21.49	
			For Elevated Installation >30' To 35', Add	24.56	
			For Elevated Installation >35' To 40', Add	30.70	
			For Elevated Installation >40', Add	33.76	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.42	
26 05 33 13-2547	EA		1-1/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	104.10	28.45
			For Work In Restricted Working Space, Add	21.34	
			For Elevated Installation >10' To 15', Add	7.11	
			For Elevated Installation >15' To 20', Add	14.23	
			For Elevated Installation >20' To 25', Add	17.79	
			For Elevated Installation >25' To 30', Add	24.90	
			For Elevated Installation >30' To 35', Add	28.46	
			For Elevated Installation >35' To 40', Add	35.57	
			For Elevated Installation >40', Add	39.13	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.34	
26 05 33 13-2548	EA		1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	120.87	31.18
			For Work In Restricted Working Space, Add	23.38	
			For Elevated Installation >10' To 15', Add	7.79	
			For Elevated Installation >15' To 20', Add	15.59	
			For Elevated Installation >20' To 25', Add	19.49	
			For Elevated Installation >25' To 30', Add	27.28	
			For Elevated Installation >30' To 35', Add	31.18	
			For Elevated Installation >35' To 40', Add	38.97	
			For Elevated Installation >40', Add	42.87	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.38	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2549	EA		2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	155.33 28.06 9.35 18.71 23.39 32.74 37.42 46.77 51.45 28.06	37.42
26 05 33 13-2550	EA		2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	352.85 74.00 24.67 49.33 61.66 86.33 98.66 123.33 135.66 74.00	98.70
26 05 33 13-2551	EA		3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	327.17 52.62 17.54 35.08 43.85 61.39 70.16 87.70 96.47 52.62	70.15
26 05 33 13-2552	EA		3-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	520.21 65.77 21.92 43.85 54.81 76.73 87.70 109.62 120.58 65.77	87.69
26 05 33 13-2553	EA		4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	609.06 80.09 26.70 53.39 66.74 93.44 106.79 133.49 146.83 80.09	106.79
26 05 33 13-2554			Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover (26 05 33 13-2509)		
26 05 33 13-2555	EA		1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	77.63 18.42 6.14 12.28 15.35 21.49 24.56 30.70 33.76 18.42	24.55
26 05 33 13-2556	EA		3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	85.06 20.46 6.82 13.64 17.05 23.87 27.28 34.11 37.52 20.46	27.28
26 05 33 13-2557	EA		1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	98.15 22.51 7.50 15.01 18.76 26.26 30.01 37.52 41.27 22.51	30.01

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2558 EA 1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	116.28	34.30
For Work In Restricted Working Space, Add	25.73	
For Elevated Installation >10' To 15', Add	8.58	
For Elevated Installation >15' To 20', Add	17.15	
For Elevated Installation >20' To 25', Add	21.44	
For Elevated Installation >25' To 30', Add	30.01	
For Elevated Installation >30' To 35', Add	34.30	
For Elevated Installation >35' To 40', Add	42.88	
For Elevated Installation >40', Add	47.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.73	
26 05 33 13-2559 EA 1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	133.37	37.42
For Work In Restricted Working Space, Add	28.06	
For Elevated Installation >10' To 15', Add	9.35	
For Elevated Installation >15' To 20', Add	18.71	
For Elevated Installation >20' To 25', Add	23.39	
For Elevated Installation >25' To 30', Add	32.74	
For Elevated Installation >30' To 35', Add	37.42	
For Elevated Installation >35' To 40', Add	46.77	
For Elevated Installation >40', Add	51.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.06	
26 05 33 13-2560 EA 2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	184.33	45.99
For Work In Restricted Working Space, Add	34.49	
For Elevated Installation >10' To 15', Add	11.50	
For Elevated Installation >15' To 20', Add	23.00	
For Elevated Installation >20' To 25', Add	28.75	
For Elevated Installation >25' To 30', Add	40.24	
For Elevated Installation >30' To 35', Add	45.99	
For Elevated Installation >35' To 40', Add	57.49	
For Elevated Installation >40', Add	63.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.49	
26 05 33 13-2561 EA 2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	292.38	67.42
For Work In Restricted Working Space, Add	50.57	
For Elevated Installation >10' To 15', Add	16.86	
For Elevated Installation >15' To 20', Add	33.71	
For Elevated Installation >20' To 25', Add	42.14	
For Elevated Installation >25' To 30', Add	59.00	
For Elevated Installation >30' To 35', Add	67.43	
For Elevated Installation >35' To 40', Add	84.29	
For Elevated Installation >40', Add	92.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.57	
26 05 33 13-2562 EA 3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	424.97	87.69
For Work In Restricted Working Space, Add	65.77	
For Elevated Installation >10' To 15', Add	21.92	
For Elevated Installation >15' To 20', Add	43.85	
For Elevated Installation >20' To 25', Add	54.81	
For Elevated Installation >25' To 30', Add	76.73	
For Elevated Installation >30' To 35', Add	87.69	
For Elevated Installation >35' To 40', Add	109.62	
For Elevated Installation >40', Add	120.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	65.77	
26 05 33 13-2563 EA 3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	626.66	108.35
For Work In Restricted Working Space, Add	81.26	
For Elevated Installation >10' To 15', Add	27.09	
For Elevated Installation >15' To 20', Add	54.18	
For Elevated Installation >20' To 25', Add	67.72	
For Elevated Installation >25' To 30', Add	94.81	
For Elevated Installation >30' To 35', Add	108.35	
For Elevated Installation >35' To 40', Add	135.44	
For Elevated Installation >40', Add	148.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	81.26	
26 05 33 13-2564 EA 4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	703.20	130.18
For Work In Restricted Working Space, Add	97.64	
For Elevated Installation >10' To 15', Add	32.55	
For Elevated Installation >15' To 20', Add	65.09	
For Elevated Installation >20' To 25', Add	81.36	
For Elevated Installation >25' To 30', Add	113.91	
For Elevated Installation >30' To 35', Add	130.18	
For Elevated Installation >35' To 40', Add	162.73	
For Elevated Installation >40', Add	179.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	97.64	

26 05 33 13-2565 Set Screw, Cast Aluminum Conduit Body (26 05 33 13-2452)

26 05 33 13-2566 Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover (26 05 33 13-2565)

26 05 33 13-2567 EA 1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	26.21	7.40
For Work In Restricted Working Space, Add	5.55	
For Elevated Installation >10' To 15', Add	1.85	
For Elevated Installation >15' To 20', Add	3.70	
For Elevated Installation >20' To 25', Add	4.63	
For Elevated Installation >25' To 30', Add	6.48	
For Elevated Installation >30' To 35', Add	7.40	
For Elevated Installation >35' To 40', Add	9.26	
For Elevated Installation >40', Add	10.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.55	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2568	EA	3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.62 7.31 2.44 4.87 6.09 8.53 9.74 12.18 13.40 7.31	9.75
26 05 33 13-2569	EA	1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.16 9.06 3.02 6.04 7.55 10.57 12.08 15.11 16.62 9.06	12.08
26 05 33 13-2570	EA	1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.29 11.11 3.70 7.41 9.26 12.96 14.81 18.52 20.37 11.11	14.81
26 05 33 13-2571	EA	1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.94 12.86 4.29 8.57 10.72 15.00 17.15 21.44 23.58 12.86	17.15
26 05 33 13-2572	EA	2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.62 14.62 4.87 9.74 12.18 17.05 19.49 24.36 26.80 14.62	19.49
26 05 33 13-2573		Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover (26 05 33 13-2665)		
26 05 33 13-2574	EA	1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.43 5.55 1.85 3.70 4.63 6.48 7.40 9.26 10.18 5.55	7.40
26 05 33 13-2575	EA	3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.43 7.31 2.44 4.87 6.09 8.53 9.74 12.18 13.40 7.31	9.75
26 05 33 13-2576	EA	1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.33 9.06 3.02 6.04 7.55 10.57 12.08 15.11 16.62 9.06	12.08

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2577	EA	1-1/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	.....	58.05	14.81
		For Work In Restricted Working Space, Add	11.11		
		For Elevated Installation >10' To 15', Add	3.70		
		For Elevated Installation >15' To 20', Add	7.41		
		For Elevated Installation >20' To 25', Add	9.26		
		For Elevated Installation >25' To 30', Add	12.96		
		For Elevated Installation >30' To 35', Add	14.81		
		For Elevated Installation >35' To 40', Add	18.52		
		For Elevated Installation >40', Add	20.37		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.11		
26 05 33 13-2578	EA	1-1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	.....	71.24	17.15
		For Work In Restricted Working Space, Add	12.86		
		For Elevated Installation >10' To 15', Add	4.29		
		For Elevated Installation >15' To 20', Add	8.57		
		For Elevated Installation >20' To 25', Add	10.72		
		For Elevated Installation >25' To 30', Add	15.00		
		For Elevated Installation >30' To 35', Add	17.15		
		For Elevated Installation >35' To 40', Add	21.44		
		For Elevated Installation >40', Add	23.58		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.86		
26 05 33 13-2579	EA	2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	.....	99.21	19.49
		For Work In Restricted Working Space, Add	14.62		
		For Elevated Installation >10' To 15', Add	4.87		
		For Elevated Installation >15' To 20', Add	9.74		
		For Elevated Installation >20' To 25', Add	12.18		
		For Elevated Installation >25' To 30', Add	17.05		
		For Elevated Installation >30' To 35', Add	19.49		
		For Elevated Installation >35' To 40', Add	24.36		
		For Elevated Installation >40', Add	26.80		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.62		
26 05 33 13-2580		Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover ⁽²⁶⁾			
26 05 33 13-2581	EA	1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	.....	34.06	9.75
		For Work In Restricted Working Space, Add	7.31		
		For Elevated Installation >10' To 15', Add	2.44		
		For Elevated Installation >15' To 20', Add	4.87		
		For Elevated Installation >20' To 25', Add	6.09		
		For Elevated Installation >25' To 30', Add	8.53		
		For Elevated Installation >30' To 35', Add	9.74		
		For Elevated Installation >35' To 40', Add	12.18		
		For Elevated Installation >40', Add	13.40		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.31		
26 05 33 13-2582	EA	3/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	.....	44.19	12.08
		For Work In Restricted Working Space, Add	9.06		
		For Elevated Installation >10' To 15', Add	3.02		
		For Elevated Installation >15' To 20', Add	6.04		
		For Elevated Installation >20' To 25', Add	7.55		
		For Elevated Installation >25' To 30', Add	10.57		
		For Elevated Installation >30' To 35', Add	12.08		
		For Elevated Installation >35' To 40', Add	15.11		
		For Elevated Installation >40', Add	16.62		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.06		
26 05 33 13-2583	EA	1" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	.....	53.37	14.81
		For Work In Restricted Working Space, Add	11.11		
		For Elevated Installation >10' To 15', Add	3.70		
		For Elevated Installation >15' To 20', Add	7.41		
		For Elevated Installation >20' To 25', Add	9.26		
		For Elevated Installation >25' To 30', Add	12.96		
		For Elevated Installation >30' To 35', Add	14.81		
		For Elevated Installation >35' To 40', Add	18.52		
		For Elevated Installation >40', Add	20.37		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.11		
26 05 33 13-2584	EA	1-1/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	.....	73.03	17.15
		For Work In Restricted Working Space, Add	13.45		
		For Elevated Installation >10' To 15', Add	4.48		
		For Elevated Installation >15' To 20', Add	8.96		
		For Elevated Installation >20' To 25', Add	11.21		
		For Elevated Installation >25' To 30', Add	15.69		
		For Elevated Installation >30' To 35', Add	17.93		
		For Elevated Installation >35' To 40', Add	22.41		
		For Elevated Installation >40', Add	24.65		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.45		
26 05 33 13-2585	EA	1-1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	.....	93.04	19.49
		For Work In Restricted Working Space, Add	15.78		
		For Elevated Installation >10' To 15', Add	5.26		
		For Elevated Installation >15' To 20', Add	10.52		
		For Elevated Installation >20' To 25', Add	13.15		
		For Elevated Installation >25' To 30', Add	18.41		
		For Elevated Installation >30' To 35', Add	21.04		
		For Elevated Installation >35' To 40', Add	26.31		
		For Elevated Installation >40', Add	28.94		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.78		



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2586	EA	2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.94 18.12 6.04 12.08 15.10 21.14 24.16 30.21 33.23 18.12	21.82
26 05 33 13-2587		Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover (26 05 33 13-2585)		
26 05 33 13-2588	EA	1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.12 5.55 1.85 3.70 4.63 6.48 7.40 9.26 10.18 5.55	7.40
26 05 33 13-2589	EA	3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.24 7.31 2.44 4.87 6.09 8.53 9.74 12.18 13.40 7.31	9.75
26 05 33 13-2590	EA	1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.18 9.06 3.02 6.04 7.55 10.57 12.08 15.11 16.62 9.06	12.08
26 05 33 13-2591	EA	1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.52 11.11 3.70 7.41 9.26 12.96 14.81 18.52 20.37 11.11	14.81
26 05 33 13-2592	EA	1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.08 12.86 4.29 8.57 10.72 15.00 17.15 21.44 23.58 12.86	17.15
26 05 33 13-2593	EA	2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.06 14.62 4.87 9.74 12.18 17.05 19.49 24.36 26.80 14.62	19.49
26 05 33 13-2594		Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) (26 05 33 13-2452)		
26 05 33 13-2595	EA	3/4" To 1-1/4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.82 16.02	21.34
26 05 33 13-2596	EA	1-1/2" To 2-1/2" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	415.46 29.61	39.46
26 05 33 13-2597	EA	3" To 4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	801.74 60.07	80.09

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-2598	Replacement Covers And Gaskets For Conduit Body (26 05 33 13-2452)				
26 05 33 13-2599	Replacement Stamped Aluminum Conduit Body Cover (26 05 33 13-2598)				
26 05 33 13-2600	EA	1/2" Replacement Stamped Aluminum Conduit Body Cover.....	9.77	3.80	
26 05 33 13-2601	EA	3/4" Replacement Stamped Aluminum Conduit Body Cover.....	11.90	4.43	
26 05 33 13-2602	EA	1" Replacement Stamped Aluminum Conduit Body Cover.....	15.25	5.70	
26 05 33 13-2603	EA	1-1/4" Replacement Stamped Aluminum Conduit Body Cover.....	18.56	6.97	
26 05 33 13-2604	EA	1-1/2" Replacement Stamped Aluminum Conduit Body Cover.....	22.74	8.23	
26 05 33 13-2605	EA	2" Replacement Stamped Aluminum Conduit Body Cover.....	26.91	9.50	
26 05 33 13-2606	EA	2-1/2" Replacement Stamped Aluminum Conduit Body Cover.....	35.20	10.77	
26 05 33 13-2607	EA	3" Replacement Stamped Aluminum Conduit Body Cover.....	45.89	15.20	
26 05 33 13-2608	EA	3-1/2" Replacement Stamped Aluminum Conduit Body Cover.....	49.85	17.10	
26 05 33 13-2609	EA	4" Replacement Stamped Aluminum Conduit Body Cover.....	62.79	21.53	
26 05 33 13-2610	Replacement Cast Steel Conduit Body Cover (26 05 33 13-2598)				
26 05 33 13-2611	EA	1/2" Replacement Cast Steel Conduit Body Cover.....	11.25	3.80	
26 05 33 13-2612	EA	3/4" Replacement Cast Steel Conduit Body Cover.....	13.19	4.43	
26 05 33 13-2613	EA	1" Replacement Cast Steel Conduit Body Cover.....	18.42	5.70	
26 05 33 13-2614	EA	1-1/4" Replacement Cast Steel Conduit Body Cover.....	22.86	6.97	
26 05 33 13-2615	EA	1-1/2" Replacement Cast Steel Conduit Body Cover.....	27.75	8.23	
26 05 33 13-2616	EA	2" Replacement Cast Steel Conduit Body Cover.....	32.63	9.50	
26 05 33 13-2617	EA	2-1/2" Replacement Cast Steel Conduit Body Cover.....	37.48	10.77	
26 05 33 13-2618	EA	3" Replacement Cast Steel Conduit Body Cover.....	51.26	15.20	
26 05 33 13-2619	EA	3-1/2" Replacement Cast Steel Conduit Body Cover.....	58.32	17.10	
26 05 33 13-2620	EA	4" Replacement Cast Steel Conduit Body Cover.....	73.49	21.53	
26 05 33 13-2621	Replacement Velbuna Composition Conduit Body Gasket (26 05 33 13-2598)				
26 05 33 13-2622	EA	1/2" Replacement Velbuna Composition Conduit Body Gasket.....	9.11	3.80	
26 05 33 13-2623	EA	3/4" Replacement Velbuna Composition Conduit Body Gasket.....	10.42	4.43	
26 05 33 13-2624	EA	1" Replacement Velbuna Composition Conduit Body Gasket.....	13.60	5.70	
26 05 33 13-2625	EA	1-1/4" Replacement Velbuna Composition Conduit Body Gasket.....	17.57	6.97	
26 05 33 13-2626	EA	1-1/2" Replacement Velbuna Composition Conduit Body Gasket.....	20.11	8.23	
26 05 33 13-2627	EA	2" Replacement Velbuna Composition Conduit Body Gasket.....	23.85	9.50	
26 05 33 13-2628	EA	2-1/2" Replacement Velbuna Composition Conduit Body Gasket.....	31.03	10.77	
26 05 33 13-2629	EA	3" Replacement Velbuna Composition Conduit Body Gasket.....	40.68	15.20	
26 05 33 13-2630	EA	3-1/2" Replacement Velbuna Composition Conduit Body Gasket.....	44.92	17.10	
26 05 33 13-2631	EA	4" Replacement Velbuna Composition Conduit Body Gasket.....	53.68	21.53	
26 05 33 13-2632	Replacement Neoprene Conduit Body Gasket (26 05 33 13-2598)				
26 05 33 13-2633	EA	1/2" Replacement Neoprene Conduit Body Gasket.....	10.13	3.80	
26 05 33 13-2634	EA	3/4" Replacement Neoprene Conduit Body Gasket.....	11.40	4.43	
26 05 33 13-2635	EA	1" Replacement Neoprene Conduit Body Gasket.....	14.88	5.70	
26 05 33 13-2636	EA	1-1/4" Replacement Neoprene Conduit Body Gasket.....	18.22	6.97	
26 05 33 13-2637	EA	1-1/2" Replacement Neoprene Conduit Body Gasket.....	20.76	8.23	
26 05 33 13-2638	EA	2" Replacement Neoprene Conduit Body Gasket.....	23.92	9.50	
26 05 33 13-2639	EA	2-1/2" Replacement Neoprene Conduit Body Gasket.....	31.19	10.77	
26 05 33 13-2640	EA	3" Replacement Neoprene Conduit Body Gasket.....	40.84	15.20	
26 05 33 13-2641	EA	3-1/2" Replacement Neoprene Conduit Body Gasket.....	46.02	17.10	
26 05 33 13-2642	EA	4" Replacement Neoprene Conduit Body Gasket.....	54.78	21.53	
26 05 33 16	Boxes for Electrical Systems (26 05 33)				
	See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.				
26 05 33 16-0001	Steel Junction, Device, And Fixture Boxes, Rings And Covers (26 05 33 16)				
	Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0126 for steel box/switch assemblies.				
26 05 33 16-0002	4" Square Steel Boxes, Rings And Covers (26 05 33 16-0001)				
26 05 33 16-0003	EA	1-1/2" Depth, 4" Square Steel Box.....	35.20	16.00	
		For Stud Bracket, Add.....	0.79		
26 05 33 16-0004	EA	2-1/8" Depth, 4" Square Steel Box.....	36.65	16.00	
		For Stud Bracket, Add.....	1.41		
26 05 33 16-0005	EA	3-1/2" Depth, 4" Square Steel Box.....	41.64	16.00	
		For Stud Bracket, Add.....	1.54		
26 05 33 16-0006	EA	1-1/2" Depth, 4" Square Steel Extension Ring.....	28.44	10.67	
26 05 33 16-0007	EA	2-1/8" Depth, 4" Square Steel Extension Ring.....	23.39	10.67	
26 05 33 16-0008	EA	1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....	12.19	5.33	
26 05 33 16-0009	EA	5/8" Depth, 1 Gang, 4" Square Steel Mud Ring.....	12.43	5.33	
26 05 33 16-0010	EA	3/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....	12.59	5.33	
26 05 33 16-0011	EA	1" Depth, 1 Gang, 4" Square Steel Mud Ring.....	13.13	5.33	
26 05 33 16-0012	EA	1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....	13.29	5.33	
26 05 33 16-0013	EA	1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....	15.02	5.33	
26 05 33 16-0014	EA	1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....	12.85	5.33	
26 05 33 16-0015	EA	5/8" Depth, 2 Gang, 4" Square Steel Mud Ring.....	13.01	5.33	
26 05 33 16-0016	EA	3/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....	13.22	5.33	
26 05 33 16-0017	EA	1" Depth, 2 Gang, 4" Square Steel Mud Ring.....	14.99	5.33	
26 05 33 16-0018	EA	1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....	15.35	5.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0019 EA 1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring	17.59	5.33
26 05 33 16-0020 EA 3/4" Depth, Fixture Cover, 4" Square Mud Rings	13.71	5.33
26 05 33 16-0021 EA 1" Depth, Fixture Cover, 4" Square Mud Rings	15.14	5.33
26 05 33 16-0022 EA One Toggle Switch, 4" Square Steel Exposed Work Cover	12.82	5.33
26 05 33 16-0023 EA Two Toggle Switches, 4" Square Steel Exposed Work Cover	12.96	5.33
26 05 33 16-0024 EA One Duplex Receptacle, 4" Square Steel Exposed Work Cover	12.79	5.33
26 05 33 16-0025 EA Two Duplex Receptacles, 4" Square Steel Exposed Work Cover	13.17	5.33
26 05 33 16-0026 EA One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover	13.49	5.33
26 05 33 16-0027 EA One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover	17.45	5.33
26 05 33 16-0028 EA One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover	13.43	5.33
26 05 33 16-0029 EA Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover	17.45	5.33
26 05 33 16-0030 EA One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover	13.43	5.33
26 05 33 16-0031 EA One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover	14.36	5.33
26 05 33 16-0032 EA One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover	17.45	5.33
26 05 33 16-0033 EA One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover	17.45	5.33
26 05 33 16-0034 EA Flat, 4" Square Steel Exposed Work Cover	11.69	5.33
26 05 33 16-0035 4-11/16" Square Steel Boxes, Rings And Covers (26 05 33 16-0001)		
26 05 33 16-0036 EA 1-1/2" Depth, 4-11/16" Square Steel Box	40.57	16.00
26 05 33 16-0037 EA 2-1/8" Depth, 4-11/16" Square Steel Box	37.29	16.00
For Stud Bracket, Add	0.74	
26 05 33 16-0038 EA 3-1/4" Depth, 4-11/16" Square Steel Box	53.79	16.00
26 05 33 16-0039 EA 1-1/2" Depth, 4-11/16" Square Extension Ring	29.81	10.67
26 05 33 16-0040 EA 2-1/8" Depth, 4-11/16" Square Extension Ring	30.62	10.67
26 05 33 16-0041 EA 1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	15.48	5.33
26 05 33 16-0042 EA 5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	15.52	5.33
26 05 33 16-0043 EA 3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	16.92	5.33
26 05 33 16-0044 EA 1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	16.36	5.33
26 05 33 16-0045 EA 1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	16.23	5.33
26 05 33 16-0046 EA 1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	22.06	5.33
26 05 33 16-0047 EA 1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	16.60	5.33
26 05 33 16-0048 EA 5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	16.90	5.33
26 05 33 16-0049 EA 3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	16.92	5.33
26 05 33 16-0050 EA 1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	18.98	5.33
26 05 33 16-0051 EA 1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	19.41	5.33
26 05 33 16-0052 EA 1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	24.40	5.33
26 05 33 16-0053 EA 1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring	16.32	5.33
26 05 33 16-0054 EA 5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring	16.47	5.33
26 05 33 16-0055 EA One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover	20.34	5.33
26 05 33 16-0056 EA Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover	21.42	5.33
26 05 33 16-0057 EA One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover	20.02	5.33
26 05 33 16-0058 EA Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover	18.84	5.33
26 05 33 16-0059 EA One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover	22.79	5.33
26 05 33 16-0060 EA One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	21.41	5.33
26 05 33 16-0061 EA One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	21.41	5.33
26 05 33 16-0062 EA One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	21.41	5.33
26 05 33 16-0063 EA Flat, 4-11/16" Square Steel Exposed Work Cover	12.58	5.33
26 05 33 16-0064 Steel Square Box Brackets (26 05 33 16-0001)		
26 05 33 16-0065 EA 16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes	17.50	8.01
26 05 33 16-0066 EA Single Box Bracket, One 4" Or 4-11/16" Square Box	12.96	5.34
26 05 33 16-0067 EA 16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes	21.01	8.01
26 05 33 16-0068 EA 24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes	22.80	8.01
26 05 33 16-0069 4" Octagon Steel Boxes And Covers (26 05 33 16-0001)		
26 05 33 16-0070 EA 1-1/2" Depth, 4" Steel Octagon Box	29.29	13.33
For Stud Bracket, Add	1.91	
26 05 33 16-0071 EA 2-1/8" Depth, 4" Steel Octagon Box	30.56	13.33
26 05 33 16-0072 EA Flat, 4" Octagon Steel Exposed Work Cover	11.61	5.33
26 05 33 16-0073 4" Steel Octagonal Concrete Rings And Steel Covers (26 05 33 16-0001)		
Note: Placed in concrete slabs or walls.		
26 05 33 16-0074 EA 2" Depth, 4" Steel Octagonal Concrete Ring	48.42	
26 05 33 16-0075 EA 2-1/2" Depth, 4" Steel Octagonal Concrete Ring	51.48	
26 05 33 16-0076 EA 3" Depth, 4" Steel Octagonal Concrete Ring	53.86	
26 05 33 16-0077 EA 3-1/2" Depth, 4" Steel Octagonal Concrete Ring	56.16	
26 05 33 16-0078 EA 4" Depth, 4" Steel Octagonal Concrete Ring	61.80	
26 05 33 16-0079 EA 5" Depth, 4" Steel Octagonal Concrete Ring	67.66	
26 05 33 16-0080 EA 6" Depth, 4" Steel Octagonal Concrete Ring	72.11	
26 05 33 16-0081 EA Flat, 4" Steel Octagonal Concrete Cover	13.36	5.33
26 05 33 16-0082 4-1/2" Steel Gang Boxes (26 05 33 16-0001)		
26 05 33 16-0083 EA 2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	47.29	13.33
26 05 33 16-0084 EA 3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	52.04	14.40
26 05 33 16-0085 EA 4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	63.11	16.00

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0086 EA 5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	83.70	17.59
26 05 33 16-0087 EA 6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	126.96	19.20
26 05 33 16-0088 EA 2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	66.91	13.33
26 05 33 16-0089 EA 3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	72.95	14.40
26 05 33 16-0090 EA 4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	98.42	16.00
26 05 33 16-0091 EA 5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	127.62	17.59
26 05 33 16-0092 EA 6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	213.78	19.20
26 05 33 16-0093 EA 2 Device, Gang Box Mud Ring.....	20.88	5.33
26 05 33 16-0094 EA 3 Device, Gang Box Mud Ring.....	21.21	5.33
26 05 33 16-0095 EA 4 Device, Gang Box Mud Ring.....	24.99	5.33
26 05 33 16-0096 EA 5 Device, Gang Box Mud Ring.....	31.49	5.33
26 05 33 16-0097 EA 6 Device, Gang Box Mud Ring.....	45.75	5.33
26 05 33 16-0098 EA 2 Device, Gang Box Flat Cover.....	17.63	5.33
26 05 33 16-0099 EA 3 Device, Gang Box Flat Cover.....	21.17	5.33
26 05 33 16-0100 EA 4 Device, Gang Box Flat Cover.....	25.87	5.33
26 05 33 16-0101 EA 5 Device, Gang Box Flat Cover.....	31.86	5.33
26 05 33 16-0102 EA 6 Device, Gang Box Flat Cover.....	46.76	5.33
26 05 33 16-0103 Steel Switch Boxes (26 05 33 16-0001)		
26 05 33 16-0104 EA 2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box.....	31.74	13.33
26 05 33 16-0105 EA 2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box.....	32.28	13.33
26 05 33 16-0106 EA 3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box.....	35.12	13.33
26 05 33 16-0107 EA 2-1/2" Depth, 2 Device, Stud Bracket, Steel Box.....	41.49	13.33
26 05 33 16-0108 EA 2-1/2" Depth, 3 Device, Stud Bracket, Steel Box.....	42.04	13.33
26 05 33 16-0109 EA 2-1/2" Depth, 4 Device, Stud Bracket, Steel Box.....	50.67	13.33
26 05 33 16-0110 4" x 2" Steel Handy Boxes, Extension Rings And Covers (26 05 33 16-0001)		
26 05 33 16-0111 EA 1-1/2" Deep, 4" x 2" Steel Handy Box.....	29.15	13.33
For Stud Bracket, Add	3.07	
26 05 33 16-0112 EA 1-7/8" Deep, 4" x 2" Steel Handy Box.....	29.74	13.33
For Stud Bracket, Add	1.32	
26 05 33 16-0113 EA 2-1/8" Deep, 4" x 2" Steel Handy Box.....	31.04	13.33
For Stud Bracket, Add	1.80	
26 05 33 16-0114 EA 1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring.....	19.56	8.00
26 05 33 16-0115 EA 1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring.....	18.97	8.00
26 05 33 16-0116 EA GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover.....	6.62	2.67
26 05 33 16-0117 EA 1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover.....	6.73	2.67
26 05 33 16-0118 EA Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover.....	6.17	2.67
26 05 33 16-0119 EA Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover.....	6.21	2.67
26 05 33 16-0120 EA 1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover.....	7.33	2.67
26 05 33 16-0121 EA Flat, 2" x 4" Steel Handy Box Exposed Work Cover.....	6.21	2.67
26 05 33 16-0122 3"-1/2" Depth, 3-3/4" Steel Masonry Boxes (26 05 33 16-0001)		
26 05 33 16-0123 EA 1 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box.....	44.23	18.67
26 05 33 16-0124 EA 2 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box.....	49.88	19.73
26 05 33 16-0125 EA 3 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box.....	57.61	21.33
26 05 33 16-0126 EA 4 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box.....	65.90	23.47
26 05 33 16-0127 Cast Boxes (26 05 33 16)		
Note: For flush or surface mount.		
26 05 33 16-0128 Cast Iron Alloy Boxes (26 05 33 16-0127)		
See CSI section 26 27 26 00-0263 for box covers.		
26 05 33 16-0129 Shallow, Single Gang Cast Iron Alloy Boxes (26 05 33 16-0128)		
Note: Up to 2" deep boxes.		
26 05 33 16-0130 EA 1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box.....	88.65	32.00
Note: One hub.		
26 05 33 16-0131 EA 3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box.....	96.10	37.33
Note: One hub.		
26 05 33 16-0132 EA 1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box.....	113.43	45.33
Note: One hub.		
26 05 33 16-0133 EA 1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box.....	111.34	42.67
Note: Two hubs.		
26 05 33 16-0134 EA 3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box.....	141.53	50.67
Note: Two hubs.		
26 05 33 16-0135 EA 1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box.....	110.92	42.67
Note: Two hubs.		
26 05 33 16-0136 EA 3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box.....	133.25	50.67
Note: Two hubs.		
26 05 33 16-0137 EA 1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box.....	113.58	42.67
Note: Two hubs.		
26 05 33 16-0138 EA 3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box.....	133.29	50.67
Note: Two hubs.		
26 05 33 16-0139 EA 1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box.....	110.92	42.67
Note: Two hubs.		
26 05 33 16-0140 EA 3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box.....	130.01	50.67
Note: Two hubs.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0141 EA 1/2" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	132.69	53.33
26 05 33 16-0142 EA 3/4" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	157.22	64.00
26 05 33 16-0143 EA 1/2" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	137.80	53.33
26 05 33 16-0144 EA 3/4" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	176.69	64.00
26 05 33 16-0145 EA 1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	141.13	53.33
26 05 33 16-0146 EA 3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	168.69	64.00
26 05 33 16-0147 EA 1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	132.26	53.33
26 05 33 16-0148 EA 3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	170.94	64.00
26 05 33 16-0149 EA 1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box Note: Four hubs.	167.76	64.00
26 05 33 16-0150 EA 3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box Note: Four hubs.	202.42	77.32
26 05 33 16-0151 Deep, Single Gang Cast Iron Alloy Boxes (26 05 33 16-0128) Note: >2" deep boxes.		
26 05 33 16-0152 EA 1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	92.41	32.00
26 05 33 16-0153 EA 3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	106.53	37.33
26 05 33 16-0154 EA 1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	125.47	45.33
26 05 33 16-0155 EA 1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	118.21	42.67
26 05 33 16-0156 EA 3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	136.79	50.67
26 05 33 16-0157 EA 1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	164.51	61.33
26 05 33 16-0158 EA 3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	146.16	50.67
26 05 33 16-0159 EA 3/4" Depth, Type FDCQ, Deep, Single Gang Cast Iron Alloy Box Note: Three hubs.	187.79	64.00
26 05 33 16-0160 Shallow, Two Gang Cast Iron Alloy Boxes (26 05 33 16-0128) Note: Up to 2" deep boxes.		
26 05 33 16-0161 EA 1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	105.81	34.67
26 05 33 16-0162 EA 3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	117.57	40.00
26 05 33 16-0163 EA 1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	136.92	48.00
26 05 33 16-0164 EA 1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box Note: Two hubs.	128.94	45.33
26 05 33 16-0165 EA 3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box Note: Two hubs.	146.87	53.33
26 05 33 16-0166 Deep, Two Gang Cast Iron Alloy Boxes (26 05 33 16-0128) Note: >2" deep boxes.		
26 05 33 16-0167 EA 1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	117.09	34.67
26 05 33 16-0168 EA 3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	128.19	40.00
26 05 33 16-0169 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	145.93	45.33
26 05 33 16-0170 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	164.82	53.33
26 05 33 16-0171 Cast Aluminum Boxes (26 05 33 16-0127) See CSI section 26 27 26 00-0263 for box covers.		
26 05 33 16-0172 Shallow, Single Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0173 EA 1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	77.98	26.67
26 05 33 16-0174 EA 3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	89.64	32.00
26 05 33 16-0175 EA 1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	100.60	40.00
26 05 33 16-0176 EA 1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box Note: One hub.	73.60	26.67
26 05 33 16-0177 EA 3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box Note: One hub.	92.72	32.00

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0178	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	99.75	37.33
26 05 33 16-0179	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	119.93	45.33
26 05 33 16-0180	EA	1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	150.30	56.00
26 05 33 16-0181	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	107.36	37.33
26 05 33 16-0182	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	116.22	45.33
26 05 33 16-0183	EA	1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	103.03	37.33
26 05 33 16-0184	EA	3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	118.81	45.33
26 05 33 16-0185	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	100.23	37.33
26 05 33 16-0186	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	118.81	45.33
26 05 33 16-0187	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	93.77	37.33
26 05 33 16-0188	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	125.68	45.33
26 05 33 16-0189	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	119.55	48.00
26 05 33 16-0190	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	145.33	58.67
26 05 33 16-0191	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	126.24	48.00
26 05 33 16-0192	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	168.53	58.67
26 05 33 16-0193	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	125.68	48.00
26 05 33 16-0194	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	154.16	58.67
26 05 33 16-0195	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	156.15	58.67
26 05 33 16-0196	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	153.29	58.67
26 05 33 16-0197	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	187.20	72.00
26 05 33 16-0198		Deep, Single Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0199	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	85.75	26.67
26 05 33 16-0200	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	102.74	32.00
26 05 33 16-0201	EA	1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	118.62	40.00
26 05 33 16-0202	EA	3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	109.83	32.00
26 05 33 16-0203	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box..... Note: Two hubs.	109.79	37.33
26 05 33 16-0204	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box..... Note: Two hubs.	132.26	45.33
26 05 33 16-0205	EA	1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box..... Note: Two hubs.	149.14	56.00
26 05 33 16-0206	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box..... Note: Two hubs.	133.91	45.33
26 05 33 16-0207	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box..... Note: Three hubs.	164.51	58.67
26 05 33 16-0208		Shallow, Two Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0209	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box..... Note: One hub.	101.97	29.33
26 05 33 16-0210	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box..... Note: One hub.	117.01	34.67
26 05 33 16-0211	EA	1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box..... Note: One hub.	126.87	42.67
26 05 33 16-0212	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	128.19	40.00
26 05 33 16-0213	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	132.38	48.00
26 05 33 16-0214	EA	1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	163.38	58.67
26 05 33 16-0215		Deep, Two Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0216	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box..... Note: One hub.	101.88	29.33



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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0217	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	118.06	34.67
26 05 33 16-0218	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	130.62	40.00
26 05 33 16-0219	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	148.62	48.00
26 05 33 16-0220	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	130.62	40.00
26 05 33 16-0221	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	148.62	48.00
26 05 33 16-0222		Shallow, Three Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0223	EA	1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	137.24	42.67
26 05 33 16-0224	EA	3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	154.62	50.67
26 05 33 16-0225		Deep, Three Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0226	EA	3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	153.92	37.33
26 05 33 16-0227	EA	1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	172.40	45.33
26 05 33 16-0228		Cast Aluminum Explosion Proof Outlet Bodies (26 05 33 16-0127) Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.		
26 05 33 16-0229	EA	1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body Note: One hub.	160.16	42.67
26 05 33 16-0230	EA	3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body Note: One hub.	197.45	48.00
26 05 33 16-0231	EA	1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body Note: One hub.	182.67	53.33
26 05 33 16-0232	EA	1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body Note: Two hubs.	177.65	48.00
26 05 33 16-0233	EA	3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA..... Note: Two hubs.	215.48	53.33
26 05 33 16-0234		Non Metallic (PVC) Boxes (26 05 33 16) See CSI section 26 27 26 00-0263 for box covers.		
26 05 33 16-0235		Shallow, Single Gang Non Metallic (PVC) Boxes (26 05 33 16-0234)		
26 05 33 16-0236	EA	1/2" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box Note: One hub.	55.11	22.40
26 05 33 16-0237	EA	3/4" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box Note: One hub.	62.91	26.14
26 05 33 16-0238	EA	1" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box Note: One hub.	71.39	31.73
26 05 33 16-0239	EA	1/2" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	70.38	29.87
26 05 33 16-0240	EA	3/4" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	82.63	35.47
26 05 33 16-0241	EA	1" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	100.24	42.93
26 05 33 16-0242	EA	1/2" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	70.64	29.87
26 05 33 16-0243	EA	3/4" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	81.90	35.47
26 05 33 16-0244	EA	1" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	97.75	42.93
26 05 33 16-0245	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box Note: Three hubs.	89.27	37.33
26 05 33 16-0246	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box Note: Three hubs.	101.31	44.79
26 05 33 16-0247	EA	1" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box Note: Three hubs.	119.12	54.13
26 05 33 16-0248		Deep, Single Gang Non Metallic (PVC) Boxes (26 05 33 16-0234)		
26 05 33 16-0249	EA	No Hub, Type FD, Deep, Single Gang Non Metallic (PVC) Box Note: No hubs.	55.91	22.40
26 05 33 16-0250	EA	1/2" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box Note: One hub.	54.50	22.40
26 05 33 16-0251	EA	3/4" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box Note: One hub.	64.82	26.14
26 05 33 16-0252	EA	1" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box Note: One hub.	72.17	31.73
26 05 33 16-0253	EA	1/2" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box Note: Two hubs.	71.95	29.87
26 05 33 16-0254	EA	3/4" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box Note: Two hubs.	80.56	35.47
26 05 33 16-0255	EA	1" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box Note: Two hubs.	96.21	42.93

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0256		Shallow, Two Gang Non Metallic (PVC) Boxes (26 05 33 16-0234)		
26 05 33 16-0257	EA	1/2" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	59.27	24.26
26 05 33 16-0258	EA	3/4" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	67.87	28.00
26 05 33 16-0259	EA	1" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	75.28	33.59
26 05 33 16-0260	EA	1/2" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	72.35	31.73
26 05 33 16-0261	EA	3/4" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	89.80	37.33
26 05 33 16-0262	EA	1" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	106.14	44.79
26 05 33 16-0263	EA	1/2" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	74.22	31.73
26 05 33 16-0264	EA	3/4" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	94.98	37.33
26 05 33 16-0265	EA	1" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	101.99	44.79
26 05 33 16-0266	EA	1/2" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Three hubs.	90.68	39.20
26 05 33 16-0267	EA	3/4" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Three hubs.	120.15	46.67
26 05 33 16-0268	EA	1" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Three hubs.	122.72	56.00
26 05 33 16-0269		Poke Thru Units (26 05 33 16)		
26 05 33 16-0270		Surface Poke Thru Units (26 05 33 16-0269)		
26 05 33 16-0271	EA	Single 20 Amperes, Duplex Receptacle RC3 Power And Communications Poke Thru Unit..... Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC3ATCAL.	486.09	40.00
26 05 33 16-0272	EA	Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements..... Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Wiremold RC3KTCAL.	310.42	
26 05 33 16-0273	EA	20 Amperes, Replacement Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit..... Note: Wiremold RC37REC.	42.60	10.67
26 05 33 16-0274	EA	Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit..... Note: Wiremold RC3APTCBK.	52.02	5.33
26 05 33 16-0275	EA	Four 20 Amperes, Receptacles RC4 Power And Communications Poke Thru Unit..... Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4ATCAL.	549.95	42.67
26 05 33 16-0276	EA	Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements..... Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4KTCAL.	290.54	
26 05 33 16-0277	EA	Two 20 Amperes, Replacement Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit..... Note: Wiremold RC4REC2.	73.19	16.00
26 05 33 16-0278	EA	Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit..... Note: Wiremold RC4APTCBK.	52.02	5.33
26 05 33 16-0279	EA	Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit..... Note: Wiremold ABPLUG4.	151.92	10.67
26 05 33 16-0280	EA	Four Jack RC9AMD Communications Poke Thru Unit..... Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.	434.94	37.33
26 05 33 16-0281	EA	Abandonment Plate For RC9 Series Communications Poke Thru Unit..... Note: Wiremold RC9APTCBK.	36.04	5.33
26 05 33 16-0282	EA	Eight Jack AMD8 Communications Poke Thru Unit..... Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.	432.92	37.33
26 05 33 16-0283	EA	Communication Conduit Adapter For Poke Thru Units..... Note: Includes two conduit connections for communication systems. Wiremold COM75.	50.27	5.33
26 05 33 16-0284		Recessed Poke Thru Units (26 05 33 16-0269)		
26 05 33 16-0285		Evolution 6AT Poke Thru Units (26 05 33 16-0284)		
26 05 33 16-0286	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP)..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	785.34	42.67
26 05 33 16-0287	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP)..... Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	785.44	42.67



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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0288	EA	Recessed Assembly With Surface Style Cover (Wiremold 6ATC) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	748.41	42.67
26 05 33 16-0289	EA	Recessed Assembly With Flush Style Cover (Wiremold 6AT) Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	748.41	42.67
26 05 33 16-0290	EA	Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	785.34	42.67
26 05 33 16-0291	EA	Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	785.34	42.67
26 05 33 16-0292	EA	Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2"-1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	717.16	42.67
26 05 33 16-0293	EA	Recessed Assembly With Disposable Plate (Wiremold 6STC) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.	448.96	40.00
26 05 33 16-0294	EA	Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	481.62	40.00
26 05 33 16-0295	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	484.86	40.00
26 05 33 16-0296	EA	6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS) Note: Nonmetallic sleeve attaches to structural decking and maintains 6"-6 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	136.94	21.33
26 05 33 16-0297	EA	Surface Style Cover Assembly (Wiremold 6CTC) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	316.85	10.67
26 05 33 16-0298	EA	Flush Style Cover Assembly (Wiremold 6CT) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	316.85	10.67
26 05 33 16-0299	EA	Furniture Feed Cover Assembly (Wiremold 6CFFTC) Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2"-1 1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke-Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	263.30	10.67
26 05 33 16-0300	EA	Tile Shim (Wiremold 6TS) Note: Used for floor coverings greater than 5/16". The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	38.03	2.67
26 05 33 16-0301	EA	Device Mounting Plate (Wiremold 6AAP) Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	18.44	5.33
26 05 33 16-0302	EA	Device Mounting Plate (Wiremold 6ACT8A) Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	21.34	5.33
26 05 33 16-0303	EA	Device Mounting Plate (Wiremold 6B) Note: Device plate used to blank off center compartment, when no devices are used.	18.35	5.33
26 05 33 16-0304	EA	Device Mounting Plate (Wiremold 6DEC) Note: Device plate that will accept Decorator style devices such as 20A receptacles, GFCIs, 106 adapters or A/V devices. For use in the center compartment only. Devices supplied by others.	18.41	5.33
26 05 33 16-0305	EA	Device Mounting Plate (Wiremold 6DP) Note: Device plate that will accept standard 20A duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	18.28	5.33
26 05 33 16-0306	EA	Device Mounting Plate (Wiremold 6MAAP) Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	21.64	5.33
26 05 33 16-0307	EA	Device Mounting Plate (Wiremold 6MAAP2A) Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	21.41	5.33
26 05 33 16-0308	EA	Mosaic Mounting Plate (Wiremold 6MOS) Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	21.94	5.33
26 05 33 16-0309	EA	Device Mounting Plate (Wiremold 6S1) Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	18.01	5.33
26 05 33 16-0310	EA	Device Mounting Plate (Wiremold 6S2) Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	18.02	5.33
26 05 33 16-0311	EA	Device Mounting Plate (Wiremold 6SER) Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	17.77	5.33

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0312	EA	Device Mounting Plate (Wiremold 6TRAC)..... Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	17.77	5.33
26 05 33 16-0313	EA	20 Amperes, Duplex Receptacles (Wiremold 68REC)..... Note: Two (2) proprietary 20AMP duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	43.05	8.00
26 05 33 16-0314	EA	Device Mounting Plate (Wiremold 68B)..... Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	16.24	5.33
26 05 33 16-0315	EA	Device Mounting Plate (Wiremold 68MAAP)..... Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	16.66	5.33
26 05 33 16-0316	EA	20 Amperes, Duplex Receptacles (Wiremold 68REC-25)..... Note: Two (2) proprietary 20AMP duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	136.20	9.60
26 05 33 16-0317	EA	Device Mounting Plate (Wiremold 682A)..... Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	21.14	5.33
26 05 33 16-0318	EA	Bottom Housing Assembly (Wiremold 5PTHA)..... Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	22.05	5.33
26 05 33 16-0319	EA	Bottom Housing Assembly (Wiremold 5BLH)..... Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	22.69	5.33
26 05 33 16-0320	EA	Bottom Housing Assembly (Wiremold 152CHA)..... Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCFF). Covers the center compartment and one of the side compartments.	34.71	10.67
26 05 33 16-0321	EA	Bottom Housing Assembly (Wiremold 575CHA)..... Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	39.71	13.33
26 05 33 16-0322	EA	Bottom Housing Assembly (Wiremold 175CHA)..... Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	43.87	13.33
26 05 33 16-0323	EA	Bottom Housing Assembly (Wiremold 1125CHA)..... Note: One-gang 1 1/4" trade size conduit housing assembly.	33.30	10.67
26 05 33 16-0324	EA	Bottom Housing Assembly (Wiremold 1PTHA)..... Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	21.89	5.33
26 05 33 16-0325	EA	Bottom Housing Assembly (Wiremold 1BLH)..... Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	21.89	5.33
26 05 33 16-0326	EA	Bottom Housing Assembly (Wiremold 15FFHA)..... Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	23.09	5.33
26 05 33 16-0327	EA	Bottom Housing Assembly (Wiremold 1BHA)..... Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTHA, and 1BLH plates.	23.90	5.33
26 05 33 16-0328		Evolution 8AT Poke Thru Units (26 05 33 16-0284) Note: Excludes concrete drilling.		
26 05 33 16-0329	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP)..... Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,030.96	42.67
26 05 33 16-0330	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP)..... Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	981.13	42.67
26 05 33 16-0331	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 8AT2P)..... Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,042.24	42.67
26 05 33 16-0332	EA	Recessed Assembly With Surface Style Cover (Wiremold 8ATC)..... Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	971.75	42.67
26 05 33 16-0333	EA	Recessed Assembly With Flush Style Cover (Wiremold 8AT)..... Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	962.86	42.67
26 05 33 16-0334	EA	Recessed Assembly With Disposable Plate (Wiremold 8STC)..... Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	580.81	40.00
26 05 33 16-0335	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP)..... Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	651.01	40.00
26 05 33 16-0336	EA	8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS)..... Note: Nonmetallic sleeve attaches to structural decking and maintains 8"-8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	164.34	21.33
26 05 33 16-0337	EA	Surface Style Cover Assembly (Wiremold 8CTC)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.	342.71	10.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0338 EA Flush Style Cover Assembly (Wiremold 8CT)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.	342.71	10.67
26 05 33 16-0339 EA Tile Shim (Wiremold 8TS)..... Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.	59.34	2.67
26 05 33 16-0340 EA Device Mounting Plate (Wiremold 8B)..... Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.	19.06	5.33
26 05 33 16-0341 EA Device Mounting Plate (Wiremold 8DP)..... Note: Singlegang device plate that accepts standard 20A duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	19.17	5.33
26 05 33 16-0342 EA Device Mounting Plate (Wiremold 8DEC)..... Note: Singlegang device plate that will accept Decorator style devices such as 20A receptacles, GFCIs, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	19.30	5.33
26 05 33 16-0343 EA Device Mounting Plate (Wiremold 8ACT6A)..... Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	22.41	5.33
26 05 33 16-0344 EA Mosaic Mounting Plate (Wiremold 8MOS)..... Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.	27.20	5.33
26 05 33 16-0345 EA Crestron Double Gang Plate (Wiremold 8CREST)..... Note: Device plate accepts Crestron double-gang decorator style devices.	27.16	5.33
26 05 33 16-0346 EA Device Mounting Plate (Wiremold 8S1)..... Note: Receptacle opening 1 3/8". For 8" poke-thru units only.	18.48	5.33
26 05 33 16-0347 EA Device Mounting Plate (Wiremold 8S2)..... Note: Receptacle opening 1 9/16". For 8" poke-thru units only.	18.71	5.33
26 05 33 16-0348 EA Device Mounting Plate (Wiremold 8TRAC)..... Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	18.48	5.33
26 05 33 16-0349 EA Device Mounting Plate (Wiremold 8SER)..... Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	18.48	5.33
26 05 33 16-0350 EA Device Mounting Plate (Wiremold 8MAAP)..... Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	26.77	5.33
26 05 33 16-0351 EA Device Mounting Plate (Wiremold 8AAP)..... Note: Two-gang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.	22.27	5.33
26 05 33 16-0352 EA 8" Divider (Wiremold 8DIV)..... Note: Divider allows for separation of services when required.	25.71	5.33
26 05 33 16-0353 EA Bottom Housing Assembly (Wiremold 22CHA)..... Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.	34.71	10.67
26 05 33 23 Surface Raceways for Electrical Systems (26 05 33)		
26 05 33 23-0001 Raceways (26 05 33 23)		
26 05 33 23-0002 Wireway With Screw Cover (26 05 33 23-0001) Note: Also known as wire trough. Galvanized steel construction. Mounted exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.		
26 05 33 23-0003 2-1/2" x 2-1/2", Wireway With Screw Cover (26 05 33 23-0002)		
26 05 33 23-0004 LF 2-1/2" x 2-1/2", NEMA 1, Surface Mounted Wireway With Screw Cover..... For Combination Hinged Screw Cover, Add For Concrete Or Masonry Surface, Add	21.81 0.60 0.49	4.87
26 05 33 23-0005 EA 2-1/2" x 2-1/2", End Plate For Surface Mounted Wireway With Screw Cover..... For Combination Hinged Screw Cover, Add	18.99 0.22	7.31
26 05 33 23-0006 EA 2-1/2" x 2-1/2", Coupling For Surface Mounted Wireway With Screw Cover..... For Combination Hinged Screw Cover, Add	22.60 0.22	9.11
26 05 33 23-0007 EA 2-1/2" x 2-1/2", Panel Adapter For Surface Mounted Wireway With Screw Cover..... For Combination Hinged Screw Cover, Add	46.94 0.64	17.05
26 05 33 23-0008 EA 2-1/2" x 2-1/2", Elbow For Surface Mounted Wireway With Screw Cover..... For Combination Hinged Screw Cover, Add	72.50 1.92	17.05
26 05 33 23-0009 EA 2-1/2" x 2-1/2", Tee For Surface Mounted Wireway With Screw Cover..... For Combination Hinged Screw Cover, Add	107.07 2.93	24.26
26 05 33 23-0010 EA 2-1/2" x 2-1/2", Cross For Surface Mounted Wireway With Screw Cover..... For Combination Hinged Screw Cover, Add	120.08 3.32	26.80
26 05 33 23-0011 4" x 4", Wireway With Screw Cover (26 05 33 23-0002)		
26 05 33 23-0012 LF 4" x 4", NEMA 1, Surface Mounted Wireway With Screw Cover..... For Combination Hinged Screw Cover, Add For Concrete Or Masonry Surface, Add	26.75 0.73 0.61	6.14
26 05 33 23-0013 LF 4" x 4", NEMA 3R, Surface Mounted Wireway With Screw Cover..... For Combination Hinged Screw Cover, Add For Concrete Or Masonry Surface, Add	46.58 1.72 0.61	6.14
26 05 33 23-0014 EA 4" x 4", End Plate For Surface Mounted Wireway With Screw Cover..... For Combination Hinged Screw Cover, Add	15.29 0.23	5.36
26 05 33 23-0015 EA 4" x 4", Coupling For Surface Mounted Wireway With Screw Cover..... For Combination Hinged Screw Cover, Add	25.03 0.23	10.23

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0016	EA	4" x 4", Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	55.65 0.70	20.85
26 05 33 23-0017	EA	4" x 4", Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	83.75 2.10	20.85
26 05 33 23-0018	EA	4" x 4", Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	117.88 3.18	27.09
26 05 33 23-0019	EA	4" x 4", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	136.27 3.65	31.67
26 05 33 23-0020 6" x 6", Wireway With Screw Cover (26 05 33 23-0002)				
26 05 33 23-0021	LF	6" x 6", NEMA 1, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	39.45 1.24 0.73	7.31
26 05 33 23-0022	LF	6" x 6", NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	74.21 2.98 0.73	7.31
26 05 33 23-0023	EA	6" x 6", End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	19.04 0.37	5.85
26 05 33 23-0024	EA	6" x 6", Coupling For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	31.71 0.37	12.18
26 05 33 23-0025	EA	6" x 6", Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	76.98 1.43	24.26
26 05 33 23-0026	EA	6" x 6", Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	106.66 2.91	24.26
26 05 33 23-0027	EA	6" x 6", Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	165.18 5.23	30.31
26 05 33 23-0028	EA	6" x 6", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	179.74 5.48	35.08
26 05 33 23-0029 8" x 8", Wireway With Screw Cover (26 05 33 23-0002)				
26 05 33 23-0030	LF	8" x 8", NEMA 1, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	62.45 2.33 0.80	7.99
26 05 33 23-0031	LF	8" x 8", NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	111.96 4.80 0.80	7.99
26 05 33 23-0032	EA	8" x 8", End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	20.94 0.41	6.34
26 05 33 23-0033	EA	8" x 8", Coupling For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	34.58 0.41	13.16
26 05 33 23-0034	EA	8" x 8", Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	85.81 1.62	26.70
26 05 33 23-0035	EA	8" x 8", Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	134.00 4.03	26.70
26 05 33 23-0036	EA	8" x 8", Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	197.55 6.59	32.94
26 05 33 23-0037	EA	8" x 8", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	273.91 9.70	39.95
26 05 33 23-0038 10" x 10", Wireway With Screw Cover (26 05 33 23-0002)				
26 05 33 23-0039	LF	10" x 10", NEMA 1, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	89.94 3.57 0.93	9.26
26 05 33 23-0040	LF	10" x 10", NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	156.95 6.92 0.93	9.26
26 05 33 23-0041	EA	10" x 10", End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	28.81 0.71	7.31
26 05 33 23-0042	EA	10" x 10", Coupling For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	43.43 0.71	14.61
26 05 33 23-0043	EA	10" x 10", Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	112.40 2.71	29.03
26 05 33 23-0044	EA	10" x 10", Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	208.02 7.50	29.03
26 05 33 23-0045	EA	10" x 10", Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	312.29 11.95	36.64
26 05 33 23-0046	EA	10" x 10", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	442.10 17.96	41.41
26 05 33 23-0047 12" x 12", Wireway With Screw Cover (26 05 33 23-0002)				
26 05 33 23-0048	LF	12" x 12", NEMA 1, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	105.73 4.17 1.12	11.20
26 05 33 23-0049	LF	12" x 12", NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	173.06 7.53 1.12	11.20
26 05 33 23-0050	EA	12" x 12", End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	37.29 1.09	7.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0051 EA 12" x 12", Coupling For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	52.88 1.09	15.59
26 05 33 23-0052 EA 12" x 12", Panel Adapter For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	145.40 4.10	31.67
26 05 33 23-0053 EA 12" x 12", Elbow For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	272.02 10.43	31.67
26 05 33 23-0054 EA 12" x 12", Tee For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	350.21 13.61	38.97
26 05 33 23-0055 EA 12" x 12", Cross For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	564.39 23.84	43.85
26 05 33 23-0056 Surface Metal Raceways (26 05 33 23-0001) Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.		
26 05 33 23-0057 One Piece Surface Metal Raceways (26 05 33 23-0056) Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		
26 05 33 23-0058 3/4" x 17/32" One Piece Surface Metal Raceways (Wiremold #500) (26 05 33 23-0057) Note: Available in ivory.		
26 05 33 23-0059 LF 3/4" x 17/32" One Piece Surface Metal Raceway (Wiremold #500)..... <i>For Concrete Or Masonry Surface, Add</i>	4.22 0.15	1.46
26 05 33 23-0060 EA Bushing (Wiremold #502).....	4.20	1.95
26 05 33 23-0061 EA One Or Two Hole Strap (Wiremold #504).....	4.24	1.95
26 05 33 23-0062 EA Connection Cover (Wiremold #506).....	4.39	1.95
26 05 33 23-0063 EA Flat 90 Degree Elbow (Wiremold #511).....	6.61	2.34
26 05 33 23-0064 EA Flat 45 Degree Elbow (Wiremold #512).....	10.78	2.44
26 05 33 23-0065 EA Adjustable Internal Elbow (Wiremold #517).....	8.23	2.92
26 05 33 23-0066 EA Adjustable External Elbow (Wiremold #518).....	8.05	2.92
26 05 33 23-0067 3/4" x 21/32" One Piece Surface Metal Raceways (Wiremold #700) (26 05 33 23-0057) Note: Available in ivory and white.		
26 05 33 23-0068 LF 3/4" x 21/32" One Piece Surface Metal Raceway (Wiremold #700)..... <i>For Concrete Or Masonry Surface, Add</i>	5.35 0.20	1.95
26 05 33 23-0069 EA Bushing (Wiremold #702).....	4.31	1.95
26 05 33 23-0070 EA One Or Two Hole Strap (Wiremold #704).....	4.43	1.95
26 05 33 23-0071 EA Connection Cover (Wiremold #706).....	4.47	1.95
26 05 33 23-0072 EA Flat 90 Degree Elbow (Wiremold #711).....	9.78	3.90
26 05 33 23-0073 EA Flat 45 Degree Elbow (Wiremold #712).....	15.09	3.90
26 05 33 23-0074 EA Adjustable Internal Elbow (Wiremold #717).....	10.52	3.90
26 05 33 23-0075 EA Adjustable External Elbow (Wiremold #718).....	10.19	3.90
26 05 33 23-0076 One Piece Surface Metal Raceways Fittings (Wiremold #500 And 700 Fittings) (26 05 33 23-0057) Note: Available in ivory.		
26 05 33 23-0077 EA 18" Flex Fitting, For #500 Or 700 (Wiremold #5700F).....	27.99	2.92
26 05 33 23-0078 EA Galvanized Coupling For #500 Or 700 (Wiremold #5701).....	4.42	1.95
26 05 33 23-0079 EA Supporting Clip, For #500 Or 700 (Wiremold #5703).....	4.42	1.95
26 05 33 23-0080 EA Ground Clamp (Wiremold #5709).....	12.44	2.92
26 05 33 23-0081 EA Grounding Connector (Wiremold #5709GC).....	10.57	2.92
26 05 33 23-0082 EA L Or R (Left Or Right) Twisted Internal Ell (Wiremold #5711).....	12.07	3.90
26 05 33 23-0083 EA Tee (Wiremold #5715).....	13.65	4.87
26 05 33 23-0084 EA 2-1/2" x 2-3/8" x 2-1/2" Corner Box (Wiremold #5719).....	23.11	3.90
26 05 33 23-0085 EA Utility Box For #500 Or #700 (Wiremold #57242).....	17.91	3.90
26 05 33 23-0086 EA 2-3/8" Diameter, Blank Cover (Wiremold #5731).....	9.67	2.44
26 05 33 23-0087 EA 3" Diameter, Outlet Box (Wiremold #5733).....	22.04	3.90
26 05 33 23-0088 EA 4-3/4" Square x 1-3/8" Deep, Distribution Box (Wiremold #5735).....	21.96	3.90
26 05 33 23-0089 EA 4-3/8" Blank Cover (Wiremold #5736).....	10.23	2.44
26 05 33 23-0090 EA 4-3/4" Diameter, Extension Box/Open Base (Wiremold #5737).....	20.01	3.90
26 05 33 23-0091 EA 5-1/2" Diameter, Extension Box/Open Base (Wiremold #5737A).....	19.32	3.90
26 05 33 23-0092 EA 4-3/4" Diameter, Fixture Box/Solid Base (Wiremold #5738).....	19.49	3.90
26 05 33 23-0093 EA 5-1/2" Diameter, Fixture Box/Solid Base (Wiremold #5738A).....	19.49	3.90
26 05 33 23-0094 EA 5-1/2" Diameter, Fan Box/Solid Base (Wiremold #5738AF).....	21.96	3.90
26 05 33 23-0095 EA 6-3/8" Diameter, Fixture Box/Solid Base (Wiremold #5739).....	21.70	3.90
26 05 33 23-0096 EA 6-3/8" Diameter, Extension Box/Open Base (Wiremold #5739A).....	23.13	3.90
26 05 33 23-0097 EA Standard Switch Box For #500, Or #700 (Wiremold #57240).....	26.33	6.34
26 05 33 23-0098 EA Duplex Receptacle And Box, Ground, For #500 Or #700 (Wiremold #57243G).....	41.95	12.18
26 05 33 23-0099 EA 2-13/16" x 4-5/8" x 1-3/8" Switch And Receptacle Box For Shallow Type Switches (Wiremold #5741).....	20.09	6.34
26 05 33 23-0100 EA 1 Gang, 4-5/8" x 2-7/8" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744).....	31.35	6.34
26 05 33 23-0101 EA 2 Gang, 4-3/4" x 4-3/4" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-2).....	35.82	6.34
26 05 33 23-0102 EA 3 Gang, 4-5/8" x 6-1/2" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-3).....	53.98	6.34
26 05 33 23-0103 EA 1 Gang, Signal Box (Wiremold #5744S).....	28.35	5.36
26 05 33 23-0104 EA 2 Gang, Signal Box (Wiremold #5744S-2).....	31.57	5.36
26 05 33 23-0105 EA 3 Gang, Signal Box (Wiremold #5744S-3).....	50.25	5.36
26 05 33 23-0106 EA 4-5/8" x 2-7/8" x 1-3/4" Combination Switch And Receptacle Box With 1/2" KO's (Wiremold #5745).....	20.94	6.34
26 05 33 23-0107 EA 4-5/8" x 2-7/8" x 1-3/8", 1 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747).....	18.50	6.34

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0108	EA	4-3/4" x 4-3/4" x 1-3/8", 2 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-2)	25.72	6.34	
26 05 33 23-0109	EA	4-5/8" x 6-1/2" x 2-3/4", 3 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-3)	49.34	6.34	
26 05 33 23-0110	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748)	19.73	6.34	
26 05 33 23-0111	EA	4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-2)	27.18	6.34	
26 05 33 23-0112	EA	4-5/8" x 6-1/2" x 1-3/4", 3 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-3)	47.98	6.34	
26 05 33 23-0113	EA	4-5/8" x 8-11/32" x 1-3/4", 4 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-4)	70.85	6.34	
26 05 33 23-0114	EA	4-5/8" x 10-5/32" x 1-3/4", 5 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-5)	116.34	6.34	
26 05 33 23-0115	EA	4-5/8" x 11-31/32" x 1-3/4", 6 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-6)	118.37	6.34	
26 05 33 23-0116	EA	4-3/8" x 2-7/8" x 15/16" Shallow Switch And Receptacle Box For Shallow Duplex Devices (Wiremold #5748-S)	19.49	6.34	
26 05 33 23-0117	EA	4-5/8" x 2-7/8" x 15/16", 1 Gang, Flush-Type Extension Adapter (Wiremold #5751)	18.97	6.34	
26 05 33 23-0118	EA	4-3/4" x 4-3/4" x 15/16", 2 Gang, Flush-Type Extension Adapter (Wiremold #5751-2)	24.99	6.34	
26 05 33 23-0119	EA	4-5/8" x 6-1/2" x 15/16", 3 Gang, Flush-Type Extension Adapter (Wiremold #5751-3)	48.43	6.34	
26 05 33 23-0120	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Deep Flush-Type Extension Adapter (Wiremold #5751A)	20.45	6.34	
26 05 33 23-0121	EA	4-11/16" x 4-11/16" x 1-3/8", 2 Gang, Alarm Device Box (Wiremold #5752)	26.26	6.34	
26 05 33 23-0122	EA	4-11/16" x 4-11/16" x 2-3/4", 2 Gang, Extra Deep Alarm Device Box (Wiremold #5753)	37.50	6.34	
26 05 33 23-0123	EA	Blank Extension Box (Wiremold #5760)	13.06	2.44	
26 05 33 23-0124	EA	1/2" Special Nipple (Wiremold #5780)	12.45	2.44	
26 05 33 23-0125	EA	1/2" Box Connector (Wiremold #5781)	8.37	2.44	
26 05 33 23-0126	EA	3/4" Box Connector (Wiremold #5781A)	15.61	2.92	
26 05 33 23-0127	EA	1/2" Conduit Connector (Wiremold #5782)	8.45	2.44	
26 05 33 23-0128	EA	3/4" Conduit Connector (Wiremold #5782A)	19.47	2.92	
26 05 33 23-0129	EA	1/2" Elbow Conduit Connector (Wiremold #5784)	17.48	2.92	
26 05 33 23-0130	EA	Combination Connector, To Any 3-1/4" Or 4" Outlet Box (Wiremold #5785)	9.87	2.92	
26 05 33 23-0131	EA	Offset Connector (Wiremold #5786)	16.25	2.92	
26 05 33 23-0132	EA	Armor Cable Connector (Wiremold #5790B)	8.57	2.44	
26 05 33 23-0133	EA	1/2" Electrical Metallic Tubing (EMT) Connector, For #500 Or 700 (Wiremold #5791)	7.57	1.95	
26 05 33 23-0134		1-9/16" x 11/32" One Piece Surface Metal Raceways (Wiremold #1500) (26 05 33 23-0057) Note: Galvanized finish.			
26 05 33 23-0135	LF	1-9/16" x 11/32" One Piece Surface Metal Raceway (Wiremold #1500-10)	7.67	2.44	
		<i>For Concrete Or Masonry Surface, Add</i>	0.24		
26 05 33 23-0136	EA	Wire Clip (Wiremold #1500WC)	4.83	1.95	
26 05 33 23-0137	EA	Bushing (Wiremold #1502)	5.73	2.44	
26 05 33 23-0138	EA	2-Hole Strap (Wiremold #1504)	6.50	2.92	
26 05 33 23-0139	EA	Flat Elbow (Wiremold #1511)	24.93	9.26	
26 05 33 23-0140	EA	Internal Elbow (Wiremold #1517)	25.72	9.26	
26 05 33 23-0141	EA	Adapter Fitting (Wiremold #1517B)	27.57	9.26	
26 05 33 23-0142	EA	External Elbow (Wiremold #1518)	27.42	9.26	
26 05 33 23-0143	EA	Utility Box (Wiremold #1528)	24.54	6.34	
26 05 33 23-0144	EA	Junction Box (Wiremold #1542D)	25.28	6.34	
26 05 33 23-0145	EA	Duplex Receptacle (Wiremold #1543GL)	49.51	12.18	
26 05 33 23-0146	EA	Single Receptacle Box (Wiremold #1546A)	26.01	6.34	
26 05 33 23-0147	EA	Duplex Receptacle Box (Wiremold #1546B)	31.65	6.34	
26 05 33 23-0148	EA	Telephone Box (Wiremold #1546T)	31.07	6.34	
26 05 33 23-0149	EA	Combination Connection (Wiremold #1585)	15.00	2.92	
26 05 33 23-0150		2-7/32" x 28/32" One Piece Surface Metal Raceways (Wiremold #2600) (26 05 33 23-0057) Note: Galvanized finish.			
26 05 33 23-0151	LF	2-7/32" x 28/32" One Piece Surface Metal Raceway (Wiremold #2600-10)	13.14	4.38	
		<i>For Concrete Or Masonry Surface, Add</i>	0.44		
26 05 33 23-0152	EA	Wire Clip (Wiremold #2600WC)	4.95	1.95	
26 05 33 23-0153	EA	Fiber Bushing (Wiremold #2602)	5.54	1.95	
26 05 33 23-0154	EA	2-5/8", 90 Degree Flat Elbow (Wiremold #2611)	19.88	3.41	
26 05 33 23-0155	EA	5" Diameter, Junction Box (Wiremold #2642D)	29.77	4.87	
26 05 33 23-0156	EA	Service Fitting (Wiremold #2686FO)	29.16	5.85	
26 05 33 23-0157		Two Piece Surface Metal Raceways (26 05 33 23-0056) Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).			
26 05 33 23-0158		1-9/32" x 3/4" Two Piece Surface Metal Raceways (Wiremold #2000) (26 05 33 23-0157)			
26 05 33 23-0159	LF	1-9/32" x 3/4" Two Piece Surface Metal Raceway Base And Cover (Wiremold #2000BC)	7.74	2.44	
		<i>For Concrete Or Masonry Surface, Add</i>	0.24		
26 05 33 23-0160	EA	Wire Clip (Wiremold #2000WC)	3.66	1.95	
26 05 33 23-0161	EA	Coupling (Wiremold #2001)	9.69	2.44	
26 05 33 23-0162	EA	Supporting Clip (Wiremold #2003)	4.80	1.46	
26 05 33 23-0163	EA	Cover Clip (Wiremold #2006)	4.44	1.46	
26 05 33 23-0164	EA	Ground Clamp (Wiremold #2009)	11.70	2.44	
26 05 33 23-0165	EA	Entrance End Fitting (Wiremold #2010A2)	22.79	7.31	
26 05 33 23-0166	EA	Entrance End Fitting (Wiremold #2010A3)	39.38	9.75	
26 05 33 23-0167	EA	Blank End Fitting (Wiremold #2010B)	5.97	2.44	
26 05 33 23-0168	EA	Flat 90 Degree Elbow (Wiremold #2011)	19.59	6.34	
26 05 33 23-0169	EA	Tee (Wiremold #2015)	36.29	9.16	
26 05 33 23-0170	EA	Internal Corner Coupling (Wiremold #2017TC)	12.44	4.87	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0171	EA	Single Gang Device Box (Wiremold #2048).....	29.79	8.67
26 05 33 23-0172	EA	2-Gang device Box (Wiremold #2048-2).....	47.59	9.65
26 05 33 23-0173	EA	Flush Plate Adapter (Wiremold #2051H).....	32.24	9.65
26 05 33 23-0174	EA	Side Reducing Connector (Wiremold #2089).....	27.06	4.87
26 05 33 23-0175	EA	#2089E End Reducing Connector.....	11.09	2.44
26 05 33 23-0176 1-7/8" x 7/8" Two Piece Surface Metal Raceways (Wiremold #2400) (26 05 33 23-0157)				
Note: Available in gray enamel (G) or ivory (V).				
26 05 33 23-0177	LF	1-7/8" x 7/8" Two Piece Surface Metal Raceway Base (Wiremold #2400B).....	6.38	2.44
		For Concrete Or Masonry Surface, Add	0.24	
26 05 33 23-0178	LF	1-7/8" x 7/8" Divided Two Piece Surface Metal Raceway Base (Wiremold #2400BD).....	6.98	2.44
		For Concrete Or Masonry Surface, Add	0.24	
26 05 33 23-0179	LF	Raceway Cover (Wiremold #2400C).....	2.51	0.49
26 05 33 23-0180	EA	Wire Clip (Wiremold #2400WC).....	3.58	1.95
26 05 33 23-0181	EA	Coupling (Wiremold #2401).....	9.52	2.44
26 05 33 23-0182	EA	Divided Raceway Coupling (Wiremold #2401D).....	7.76	2.44
26 05 33 23-0183	EA	Cover Clip (Wiremold #2406).....	4.31	1.46
26 05 33 23-0184	EA	Device Bracket Frame (Wiremold #2407-2CM).....	31.81	7.31
26 05 33 23-0185	EA	Device Bracket Frame (Wiremold #2407-2TJ).....	30.49	7.31
26 05 33 23-0186	EA	Ground Clamp (Wiremold #2409).....	8.29	1.95
26 05 33 23-0187	EA	End Fitting (Wiremold #2410A).....	21.04	7.31
26 05 33 23-0188	EA	Blank End (Wiremold #2410B).....	5.91	2.44
26 05 33 23-0189	EA	Divided Blank End Fitting (Wiremold #2410BD).....	5.98	2.44
26 05 33 23-0190	EA	Entrance End Fitting (Wiremold #2410C).....	31.68	7.31
26 05 33 23-0191	EA	Divided Entrance End Fitting (Wiremold #2410D).....	30.40	7.31
26 05 33 23-0192	EA	Divided Entrance End Fitting (Wiremold #2410DFO).....	49.47	7.31
26 05 33 23-0193	EA	Full Cap Entrance End Fitting (Wiremold #2410FC).....	38.04	7.31
26 05 33 23-0194	EA	Divided Flat 90 Degree Elbow (Wiremold #2411D).....	23.52	7.31
26 05 33 23-0195	EA	Radiused Divided Flat 90 Degree Elbow (Wiremold #2411DFO).....	37.33	7.31
26 05 33 23-0196	EA	Radiused Flat 90 Degree Elbow (Wiremold #2411FO).....	33.49	7.21
26 05 33 23-0197	EA	Flat 90 Degree Elbow (Wiremold #2411M).....	22.45	7.31
26 05 33 23-0198	EA	Radiused Divided Tee (Wiremold #2415DFO).....	40.01	7.21
26 05 33 23-0199	EA	Radiused Tee (Wiremold #2415FO).....	38.07	7.21
26 05 33 23-0200	EA	Tee (Wiremold #2415M).....	26.50	7.21
26 05 33 23-0201	EA	Divided Internal Coupling (Wiremold #2417D).....	22.20	7.21
26 05 33 23-0202	EA	Radiused Divided Internal Coupling (Wiremold #2417DFO).....	34.56	7.21
26 05 33 23-0203	EA	Radiused Internal Coupling (Wiremold #2417FO).....	33.55	7.21
26 05 33 23-0204	EA	Internal Coupling (Wiremold #2417M).....	21.53	7.21
26 05 33 23-0205	EA	Radiused Divided External Coupling (Wiremold #2418DFO).....	37.53	7.21
26 05 33 23-0206	EA	Radiused External Coupling (Wiremold #2418FO).....	36.92	7.21
26 05 33 23-0207	EA	External Coupling (Wiremold #2418M).....	26.06	7.21
26 05 33 23-0208	EA	1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444).....	34.12	6.34
26 05 33 23-0209	EA	2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444-2).....	37.84	6.34
26 05 33 23-0210	EA	Over Raceway, Extra Deep Switch And Receptacle Box, 2 Gang (Wiremold #2444-2LS).....	38.03	6.34
26 05 33 23-0211	EA	Divided, 1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444D).....	36.45	6.34
26 05 33 23-0212	EA	Divided, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2A).....	51.28	6.34
26 05 33 23-0213	EA	Divided, Over Raceway, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2N).....	45.19	6.34
26 05 33 23-0214	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448).....	24.02	6.34
26 05 33 23-0215	EA	4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448-2).....	37.01	6.34
26 05 33 23-0216	EA	Device Bracket Type Adapter Plate (Wiremold #2450).....	11.40	2.44
26 05 33 23-0217	EA	4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #2451H).....	27.12	7.31
26 05 33 23-0218	EA	Bridge Fitting For 2400/700/500 (Wiremold #2475D).....	79.83	7.31
26 05 33 23-0219	EA	Side Reducing Connector (Wiremold #2489).....	23.35	3.90
26 05 33 23-0220 2-3/4" x 1-17/32" Two Piece Surface Metal Raceways (Wiremold #3000) (26 05 33 23-0157)				
Note: Available in gray enamel (G) or ivory (V).				
26 05 33 23-0221	LF	2-3/4" x 1-17/32" Two Piece Surface Metal Raceway Base (Wiremold #3000B).....	12.29	4.38
		For Concrete Or Masonry Surface, Add	0.44	
26 05 33 23-0222	LF	Raceway Cover (Wiremold #3000CE).....	2.80	0.49
26 05 33 23-0223	EA	Wire Clips For Conductors (Wiremold #3000WC).....	4.65	1.95
26 05 33 23-0224	EA	Couplings (Wiremold #3001).....	12.15	1.95
26 05 33 23-0225	EA	Rigid Inside Coupling (Wiremold #3001A).....	11.62	2.44
26 05 33 23-0226	EA	Supporting Clip (Wiremold #3003).....	8.71	2.44
26 05 33 23-0227	EA	Clip Cover (Wiremold #3006E).....	5.12	1.95
26 05 33 23-0228	EA	Device Brackets (Wiremold #3007C).....	13.00	3.90
26 05 33 23-0229	EA	C-Hanger (Wiremold #3008C).....	12.73	2.92
26 05 33 23-0230	EA	Entrance End Fitting For Connecting To 1/2" Conduit Or Armored Connectors (Wiremold #3010AE).....	30.16	9.26
26 05 33 23-0231	EA	Blank End Fittings (Wiremold #3010B).....	11.14	3.90
26 05 33 23-0232	EA	Entrance End Fitting For Connecting To Rigid Or Flexible Conduit (Wiremold #3010C).....	33.19	9.26
26 05 33 23-0233	EA	Flat 90 Degree Elbow (Wiremold #3011E).....	49.49	12.08
26 05 33 23-0234	EA	Wall Box Connector (Wiremold #3014C).....	36.06	12.18
26 05 33 23-0235	EA	Tee Fitting (Wiremold #3015E).....	67.73	15.10
26 05 33 23-0236	EA	Internal Corner Coupling (Wiremold #3017TCE).....	32.48	9.26
26 05 33 23-0237	EA	External Corner (Wiremold #3018AE).....	39.61	9.26
26 05 33 23-0238	EA	Single Receptacle Cover With Face Diameters Of 1.38"-1.4" (Wiremold #3027AE).....	28.83	9.26
26 05 33 23-0239	EA	Utility Box (Wiremold #3028).....	47.50	9.26
26 05 33 23-0240	EA	Single Receptacle Cover With Face Diameters Of 1.56"-1.57" (Wiremold #3033JE).....	15.22	2.44
26 05 33 23-0241	EA	Blank Cover (Wiremold #3036HE).....	16.60	2.44

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0242 EA Switch Cover (Wiremold #3040CE).....	15.18	2.44
26 05 33 23-0243 EA Duplex Receptacle Cover (Wiremold #3043BE).....	15.51	2.92
26 05 33 23-0244 EA 15 Amperes, 125 Volt Duplex Grounding Receptacle And Cover (Wiremold #3043GE).....	43.05	12.67
26 05 33 23-0245 EA 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #3044-2).....	53.25	9.26
26 05 33 23-0246 EA Duplex Receptacle Cover (Wiremold #3046BE).....	15.39	2.92
26 05 33 23-0247 EA Tap Off Fitting (Wiremold #3046H-2).....	15.03	2.44
26 05 33 23-0248 EA 1-15/16" Deep x 6" Long, Circuit Breaker Housing (Wiremold #3046KD).....	57.70	5.85
26 05 33 23-0249 EA 2-3/4" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046KTSQ).....	137.24	5.85
26 05 33 23-0250 EA 1-13/16" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046QOU).....	50.56	5.85
26 05 33 23-0251 EA 1-13/16" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046S).....	54.51	5.85
26 05 33 23-0252 EA 1-13/32" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046U).....	54.51	5.85
26 05 33 23-0253 EA Rectangular Receptacle Cover (Wiremold #3048R).....	17.79	2.92
26 05 33 23-0254 4-3/4" x 1-3/4" Two Piece Surface Metal Raceways (Wiremold #4000) (26 05 33 23-0157)		
Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0255 LF 4-3/4" x 1-3/4" Two Piece Surface Metal Raceway Base (Wiremold #4000B-10).....	14.91	4.38
For Concrete Or Masonry Surface, Add 0.47		
26 05 33 23-0256 LF Raceway Cover (Wiremold #4000C).....	5.12	0.49
26 05 33 23-0257 LF Divider (Wiremold #4000D).....	2.54	0.49
26 05 33 23-0258 EA Wire Clips For Conductors (Wiremold #4000WC).....	5.64	2.44
26 05 33 23-0259 EA Couplings (Wiremold #4001A).....	14.80	2.92
26 05 33 23-0260 EA Divider Clip (Wiremold #4001D).....	7.15	2.92
26 05 33 23-0261 EA Seam Clip (Wiremold #4006).....	7.26	2.92
26 05 33 23-0262 EA Single Device Fitting (Wiremold #4007C-1R).....	28.81	6.34
26 05 33 23-0263 EA Blank End Fittings (Wiremold #4010B).....	15.57	3.90
26 05 33 23-0264 EA Entrance End Fitting (Wiremold #4010DFO).....	59.83	15.00
26 05 33 23-0265 EA Flat 90 Degree Elbow (Wiremold #4011).....	55.27	12.18
26 05 33 23-0266 EA Radiused Flat 90 Degree Elbow (Wiremold #4011FO).....	64.86	12.18
26 05 33 23-0267 EA Internal Or External 45 Degree Elbow (Wiremold #4012TX).....	60.54	15.10
26 05 33 23-0268 EA Wall Box Connector (Wiremold #4014A).....	79.73	15.10
26 05 33 23-0269 EA Tee Fitting (Wiremold #4015).....	88.14	15.10
26 05 33 23-0270 EA Divided Tee Fitting (Wiremold #4015D).....	91.52	15.10
26 05 33 23-0271 EA Radiused Full Capacity Divided Tee Fitting (Wiremold #4015DFO).....	108.72	15.10
26 05 33 23-0272 EA Radiused Tee Fitting (Wiremold #4015FO).....	109.05	15.10
26 05 33 23-0273 EA Internal Elbow (Wiremold #4017).....	49.75	15.10
26 05 33 23-0274 EA Internal Elbow (Wiremold #4017FO).....	86.66	15.10
26 05 33 23-0275 EA Inverted Internal Elbow (Wiremold #4017N).....	54.83	15.10
26 05 33 23-0276 EA Internal Corner Coupling (Wiremold #4017TCA).....	47.07	15.10
26 05 33 23-0277 EA External Elbow (Wiremold #4018).....	72.81	15.10
26 05 33 23-0278 EA Radiused External Elbow (Wiremold #4018FO).....	84.02	15.10
26 05 33 23-0279 EA Single Locking Receptacle And Two RJ11/45 Modular Connectors Outlet Cover (Wiremold #4046ARJ).....	69.84	6.34
26 05 33 23-0280 EA Double Duplex Receptacle Outlet Cover (Wiremold #4046B-2).....	73.99	6.34
26 05 33 23-0281 EA Duplex Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046DRJ).....	73.99	6.34
26 05 33 23-0282 EA Double Duplex Receptacle And Four RJ11/45 Modular Connector Cover (Wiremold #4046DRJ-2).....	98.52	6.34
26 05 33 23-0283 EA Tap-Off Fitting (Wiremold #4046H-2).....	21.62	6.34
26 05 33 23-0284 EA Combination Single Receptacle And Phone Outlet Center (Wiremold #4046JRJ).....	63.02	2.92
26 05 33 23-0285 EA Rectangular Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046RRJ).....	75.70	6.34
26 05 33 23-0286 EA 1 Gang Device Plate (Wiremold #G4047C-1).....	21.19	6.34
26 05 33 23-0287 EA 2 Gang Device Plate (Wiremold #G4047C-2).....	24.58	6.34
26 05 33 23-0288 EA Device Mounting Bracket (Wiremold #4050).....	23.92	4.87
26 05 33 23-0289 EA #4000 To #3000 Take-off Connector (Wiremold #4074A).....	110.36	15.10
26 05 33 23-0290 EA Bridge Fitting (Wiremold #4075D).....	99.73	15.10
26 05 33 23-0291 EA Bridge Fitting (Wiremold #4075DA).....	99.73	15.10
26 05 33 23-0292 EA Panel Connector (Wiremold #4086A).....	83.35	28.74
26 05 33 23-0293 EA Reducing Connector Fitting (Wiremold #4089).....	50.81	15.10
26 05 33 23-0294 4-3/4" x 3-9/16" Two Piece Surface Metal Raceways (Wiremold #6000) (26 05 33 23-0157)		
Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0295 LF 4-3/4" x 3-9/16" Two Piece Surface Metal Raceway Base (Wiremold #6000B-10).....	21.45	5.36
For Concrete Or Masonry Surface, Add 0.54		
26 05 33 23-0296 LF Raceway Cover (Wiremold #6000C).....	6.11	1.46
26 05 33 23-0297 LF Divider (Wiremold #6000DA).....	6.37	1.46
26 05 33 23-0298 EA Wire Clips For Conductors (Wiremold #6000WC).....	6.48	2.44
26 05 33 23-0299 EA Couplings (Wiremold #6001A).....	18.21	4.87
26 05 33 23-0300 EA Divider Clip (Wiremold #6001D).....	8.38	2.44
26 05 33 23-0301 EA Converter Coupling (Wiremold #6001TX).....	23.13	6.34
26 05 33 23-0302 EA Connection Cover (Wiremold #6006).....	22.02	6.34
26 05 33 23-0303 EA Single Gang Device Plate (Wiremold #6007C-1).....	23.03	6.34
26 05 33 23-0304 EA Two Gang Device Plate (Wiremold #6007C-2).....	25.10	6.34
26 05 33 23-0305 EA C-Hanger (Wiremold #6008A).....	36.47	9.26
26 05 33 23-0306 EA Blank End Fittings (Wiremold #6010B).....	40.22	14.61
26 05 33 23-0307 EA Combination Flat Elbow (Wiremold #6011TX).....	73.07	14.61
26 05 33 23-0308 EA Internal-External 45 Degree Elbow (Wiremold #6012TX).....	74.16	14.03
26 05 33 23-0309 EA Connector Fitting (Wiremold #6014A).....	104.88	15.10
26 05 33 23-0310 EA Combination Internal-External Elbow (Wiremold #6017TX).....	75.96	16.57
26 05 33 23-0311 EA Circuit Breaker Housing (Wiremold #6046KD).....	130.00	16.57
26 05 33 23-0312 EA #6000 To #6000 Take-off Connector (Wiremold #6074).....	125.20	14.61
26 05 33 23-0313 EA #6000 To #4000 Take-off Connector (Wiremold #6074A).....	135.23	14.61



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0314 EA Panel Connector (Wiremold #6086).....	86.72	33.91
26 05 33 23-0315 Two Piece Surface Aluminum Raceways (26 05 33 23-0056) Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		
26 05 33 23-0316 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceways (Wiremold #AL2000) (26 05 33 23-0315)		
26 05 33 23-0317 LF 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2000B).....	9.57	2.44
For Concrete Or Masonry Surface, Add	0.24	
26 05 33 23-0318 LF Aluminum Raceway Cover (Wiremold #AL2000C)	4.70	0.49
26 05 33 23-0319 EA Wire Clip (Wiremold #AL2000WC).....	4.67	1.95
26 05 33 23-0320 EA Coupling (Wiremold #AL2001).....	10.42	2.44
26 05 33 23-0321 EA Supporting Clip (Wiremold #AL2003).....	5.04	1.46
26 05 33 23-0322 EA Cover Clip (Wiremold #AL2006)	6.36	1.46
26 05 33 23-0323 EA Ground Clamp (Wiremold #AL2009).....	9.13	2.44
26 05 33 23-0324 EA Entrance End Fitting (Wiremold #AL2010A).....	25.54	7.31
26 05 33 23-0325 EA Blank End Fitting (Wiremold #AL2010B).....	8.27	2.44
26 05 33 23-0326 EA Flat 90 Degree Elbow (Wiremold #AL2011).....	29.41	6.34
26 05 33 23-0327 EA Tee (Wiremold #AL2015).....	39.93	9.16
26 05 33 23-0328 EA Internal Corner Elbow (Wiremold #AL2017).....	26.53	4.87
26 05 33 23-0329 EA External Corner Elbow (Wiremold #AL2018).....	26.48	4.87
26 05 33 23-0330 EA 2 To 15 Amperes, In-Line Receptacle (Wiremold #AL2043).....	43.48	9.65
26 05 33 23-0331 EA 4-13/16" Round Fixture Box (Wiremold #AL2038).....	99.35	8.67
26 05 33 23-0332 EA 4-1/2" x 3" x 2-1/4" D Box (Wiremold #AL2044).....	44.65	8.67
26 05 33 23-0333 EA 4-5/8" x 4-7/8" x 2-1/2" D Box (Wiremold #AL2044-2).....	91.65	9.65
26 05 33 23-0334 EA Single Gang Shallow Device Box (Wiremold #AL2047).....	46.21	8.67
26 05 33 23-0335 EA 2-Gang Shallow Device Box (Wiremold #AL2047-2).....	81.13	9.65
26 05 33 23-0336 EA Flush Plate Adapter (Wiremold #AL2051H).....	35.32	9.65
26 05 33 23-0337 2" x 1-9/32" Two Piece Surface Aluminum Raceways (Wiremold #AL2400) (26 05 33 23-0315)		
26 05 33 23-0338 LF 2" x 1-9/32" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2400B).....	10.59	2.44
For Concrete Or Masonry Surface, Add	0.24	
26 05 33 23-0339 LF Aluminum Raceway Cover (Wiremold #AL2400C)	4.77	0.49
26 05 33 23-0340 EA Wire Clip (Wiremold #AL2400WC).....	6.27	1.95
26 05 33 23-0341 EA Coupling (Wiremold #AL2401).....	11.94	2.44
26 05 33 23-0342 EA Cover Clip (Wiremold #AL2406).....	8.11	1.46
26 05 33 23-0343 EA Ground Clamp (Wiremold #AL2409).....	7.15	1.95
26 05 33 23-0344 EA Blank End (Wiremold #AL2410B)	9.05	2.44
26 05 33 23-0345 EA End Fitting (Wiremold #AL2410B2).....	19.67	7.31
26 05 33 23-0346 EA Flat 90 Degree Elbow (Wiremold #AL2411).....	35.09	7.31
26 05 33 23-0347 EA Tee (Wiremold #AL2415).....	38.18	7.21
26 05 33 23-0348 EA Fourway Fitting (Wiremold #AL2416).....	44.68	7.21
26 05 33 23-0349 EA Internal Coupling (Wiremold #AL2417).....	34.96	7.21
26 05 33 23-0350 EA External Coupling (Wiremold #AL2418).....	37.58	7.21
26 05 33 23-0351 EA 4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #AL2451H).....	31.41	7.31
26 05 33 23-0352 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceways (Wiremold #AL3300) (26 05 33 23-0315)		
26 05 33 23-0353 LF 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL3300B)	18.00	4.38
For Concrete Or Masonry Surface, Add	0.44	
26 05 33 23-0354 LF Aluminum Raceway Cover (Wiremold #AL3300CE).....	5.16	0.49
26 05 33 23-0355 LF Raceway Divider (Wiremold #AL3300D).....	4.27	4.38
26 05 33 23-0356 EA Wire Clips For Conductors (Wiremold #AL3300WC).....	8.43	1.95
26 05 33 23-0357 EA Couplings (Wiremold #AL3301).....	15.65	1.95
26 05 33 23-0358 EA Divider Coupling (Wiremold #AL3301D)	12.81	2.44
26 05 33 23-0359 EA Ground Clamp (Wiremold #AL3309).....	8.67	1.95
26 05 33 23-0360 EA Blank End Fittings (Wiremold #AL3310B).....	17.99	3.90
26 05 33 23-0361 EA End Fitting (Wiremold #AL3310B1).....	29.75	9.26
26 05 33 23-0362 EA Flat 90 Degree Elbow (Wiremold #AL3311).....	87.69	12.08
Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0363 EA Tee Fitting (Wiremold #AL3315).....	100.81	15.10
Note: Includes three (3) AL3301 couplings.		
26 05 33 23-0364 EA Cross Fitting (Wiremold #AL3316).....	113.67	15.10
Note: Includes four (4) AL3301 couplings.		
26 05 33 23-0365 EA Internal Elbow (Wiremold #AL3317)	81.81	9.26
Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0366 EA External Elbow (Wiremold #AL3318).....	81.89	9.26
Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0367 EA Duplex Receptacle Cover (Wiremold #AL3346D).....	18.31	2.92
26 05 33 23-0368 EA Single Receptacle Cover (Wiremold #AL3346E).....	18.19	2.92
26 05 33 23-0369 EA GFCI/ Surge Receptacle Cover (Wiremold #AL3346G).....	18.01	2.92
26 05 33 23-0370 EA Single Device Cover Plate (Wiremold #AL3356R).....	17.93	2.44
26 05 33 23-0371 5" x 2" Two Piece Surface Aluminum Raceways (Wiremold #AL5200) (26 05 33 23-0315)		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0372 LF 5" x 2" Two Piece Surface Aluminum Raceway Base (Wiremold #AL5200B-10).....	23.08	4.38
For Concrete Or Masonry Surface, Add	0.47	
26 05 33 23-0373 LF Aluminum Raceway Cover (Wiremold #AL5200C).....	9.47	0.49
26 05 33 23-0374 LF Divider (Wiremold #AL5200D).....	5.56	0.49
26 05 33 23-0375 EA Wire Clips For Conductors (Wiremold #AL5200WC).....	7.63	2.44
26 05 33 23-0376 EA Wire Clips For Conductors (Wiremold #AL5200WC2).....	6.41	2.44
26 05 33 23-0377 EA Wire Clips For Conductors (Wiremold #AL5200WC3).....	6.37	2.44
26 05 33 23-0378 EA Couplings (Wiremold #AL5201).....	14.98	2.92
26 05 33 23-0379 EA Cover Clip (Wiremold #AL5206).....	13.24	2.92
26 05 33 23-0380 EA Ground Adapter (Wiremold #AL5209).....	16.51	2.92
26 05 33 23-0381 EA Blank End Fittings (Wiremold #AL5210B).....	17.40	3.90
26 05 33 23-0382 EA Blank End Fittings (Wiremold #AL5210B1).....	18.66	3.90
26 05 33 23-0383 EA Blank End Fittings (Wiremold #AL5210B2).....	18.94	3.90
26 05 33 23-0384 EA Blank End Fittings (Wiremold #AL5210B3).....	18.37	3.90
26 05 33 23-0385 EA Flat 90 Degree Elbow (Wiremold #AL5211).....	95.64	12.18
Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0386 EA Wall Box Connector (Wiremold #AL5214).....	75.45	15.10
26 05 33 23-0387 EA Tee Fitting (Wiremold #AL5215).....	111.95	15.10
Note: Includes three (3) pairs of AL5201 couplings.		
26 05 33 23-0388 EA Four Way Fitting (Wiremold #AL5216).....	122.75	15.10
Note: Includes four (4) pairs of AL5201 couplings.		
26 05 33 23-0389 EA Internal Elbow (Wiremold #AL5217).....	99.38	15.10
Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0390 EA Internal Corner Coupling (Wiremold #AL5217A).....	42.51	15.10
26 05 33 23-0391 EA Inverted Internal Elbow (Wiremold #AL5217N).....	102.13	15.10
26 05 33 23-0392 EA External Elbow (Wiremold #AL5218).....	100.24	15.10
Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0393 EA Blank Device Cover Plate (Wiremold #AL5246B).....	21.48	2.92
26 05 33 23-0394 EA Receptacle Device Cover Plate (Wiremold #AL5246D).....	25.43	2.92
26 05 33 23-0395 EA Double Receptacle Device Cover Plate (Wiremold #AL5246DD).....	30.16	2.92
26 05 33 23-0396 EA Device Cover Plate (Wiremold #AL5246F).....	28.29	2.92
26 05 33 23-0397 EA Device Cover Plate (Wiremold #AL5246G).....	26.13	2.92
26 05 33 23-0398 EA Offset Divider (Wiremold #AL5260).....	24.58	6.34
26 05 33 23-0399 3" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA3800)		
(26 05 33 23-0315)		
26 05 33 23-0400 LF Single Channel, 3" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA3800B-10).....	19.17	4.38
26 05 33 23-0401 EA Cover Clip (Wiremold #ALA3806).....	9.36	2.92
26 05 33 23-0402 EA Blank End Fittings (Wiremold #ALA3810B).....	16.06	3.90
26 05 33 23-0403 EA Entrance End Cap Fittings (Wiremold #ALA3810B1).....	17.18	3.90
26 05 33 23-0404 EA Flat 90 Degree Elbow (Wiremold #ALA3811).....	85.87	12.18
Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0405 EA Flat Tee Fitting (Wiremold #ALA3815).....	89.30	15.10
Note: Includes three (3) ALA01 couplings.		
26 05 33 23-0406 EA Internal Elbow (Wiremold #ALA3817).....	87.19	15.10
Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0407 EA Inverted Internal Elbow (Wiremold #ALA3817N).....	101.88	15.10
Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0408 EA External Elbow (Wiremold #ALA3818).....	88.28	15.10
Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0409 6" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA4800)		
(26 05 33 23-0315)		
26 05 33 23-0410 LF Two Channel, 6" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA4800B-10).....	31.39	4.38
26 05 33 23-0411 EA Cover Clip (Wiremold #ALA4806).....	13.65	2.92
26 05 33 23-0412 EA Blank End Fittings (Wiremold #ALA4810B).....	17.87	3.90
26 05 33 23-0413 EA Entrance End Cap Fittings (Wiremold #ALA4810B2).....	19.87	3.90
26 05 33 23-0414 EA Flat 90 Degree Elbow (Wiremold #ALA4811).....	115.46	12.18
Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0415 EA Flat Tee Fitting (Wiremold #ALA4815).....	157.91	15.10
Note: Includes six (6) ALA01 couplings.		
26 05 33 23-0416 EA Internal Elbow (Wiremold #ALA4817).....	107.00	15.10
Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0417 EA Inverted Internal Elbow (Wiremold #ALA4817N).....	125.76	15.10
Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0418 EA External Elbow (Wiremold #ALA4818).....	112.28	15.10
Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0419 Two Piece Surface Aluminum Raceways Fittings (Wiremold #ALA3800 And #ALA4800)		
(26 05 33 23-0315)		
See CSI section 26 27 26 00-0010 for receptacles.		
26 05 33 23-0420 LF 3" Wide Aluminum Raceway Cover (Wiremold #ALAC-5).....	6.77	0.49
Note: For use with ALA3800 single channel raceway and ALA4800 dual channel raceway.		
26 05 33 23-0421 EA Wire Clips (Wiremold #ALAWC).....	6.14	2.44
26 05 33 23-0422 EA Slide Couplings (Wiremold #ALA01).....	15.44	2.92
26 05 33 23-0423 EA Grounding Adapter (Wiremold #ALA09).....	13.23	2.92
26 05 33 23-0424 EA Bend Radius Control Insert For Flat Elbow (Wiremold #ALA11RI).....	36.03	12.18
26 05 33 23-0425 EA Internal Corner Coupling (Wiremold #ALA17A).....	43.03	15.10
26 05 33 23-0426 EA Bend Radius Control Insert For Internal And External Elbow (Wiremold #ALA17/18RI).....	39.99	12.18
26 05 33 23-0427 EA Blank Cover Plate (Wiremold #ALA-BL).....	16.52	2.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0428 EA Duplex Receptacle Cover Plate (Wiremold #ALA-DR).....	17.60	2.92
26 05 33 23-0429 EA Single Receptacle Cover Plate, 1.40" Diameter Opening (Wiremold #ALA-E).....	18.32	2.92
26 05 33 23-0430 EA Single Receptacle Cover Plate, 1.59" Diameter Opening (Wiremold #ALA-F).....	19.20	2.92
26 05 33 23-0431 EA GFCI/Surge/Decorator Cover Plate (Wiremold #ALA-G).....	17.75	2.92
26 05 33 23-0432 EA Single Receptacle Cover Plate, 2.13" Diameter Opening (Wiremold #ALA-J).....	18.34	2.92
26 05 33 23-0433 EA Toggle Switch Cover Plate (Wiremold #ALA-N).....	18.80	2.92
26 05 33 23-0434 EA Active LPB Cover Plate (Wiremold #ALA-LPB).....	24.06	2.92
26 05 33 23-0435 EA Active MAB Cover Plate (Wiremold #ALA-MAB).....	22.62	2.92
26 05 33 23-0436 EA Ortronics Cover Plate (Wiremold #ALA-MABRT).....	26.05	2.92
26 05 33 23-0437 EA 1-3/4" x 2-3/4" Cover Plate (Wiremold #ALA-SG).....	18.35	2.92
26 05 33 23-0438 EA Active 2A Cover Plate (Wiremold #ALA-2A).....	25.17	2.92
26 05 33 23-0439 EA Ortronics Communications Cover Plate (Wiremold #ALA-ABRT).....	23.05	2.92
26 05 33 23-0440 EA 3/4" Grommet/Mousehole Cover Plate (Wiremold #ALA-Z).....	18.76	2.92
26 05 33 23-0441 EA Ortronics Low Profile Cover Plate (Wiremold #ALA-LPB3S2).....	23.25	2.92
26 05 33 23-0442 Surface Non-Metallic Raceways (26 05 33 23-0001) Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.		
26 05 33 23-0443 One Piece Surface Non-Metallic Raceways (26 05 33 23-0442) Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation. (Wiremold or approved equal).		
26 05 33 23-0444 7/8" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #400) (26 05 33 23-0443)		
26 05 33 23-0445 LF 7/8" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #400BAC).....	6.09	1.95
For Concrete Or Masonry Surface, Add	0.20	
26 05 33 23-0446 EA Wire Clip (Wiremold #400WC).....	4.36	1.95
26 05 33 23-0447 EA Cover Clip (Wiremold #406).....	4.66	1.95
26 05 33 23-0448 EA Blank End Clip (Wiremold #410B).....	8.87	3.90
26 05 33 23-0449 EA Flat 90 Degree Elbow (Wiremold #411).....	10.70	3.90
26 05 33 23-0450 EA Tee (Wiremold #415).....	13.49	4.87
26 05 33 23-0451 EA Internal Elbow (Wiremold #417).....	10.46	3.90
26 05 33 23-0452 EA External Elbow (Wiremold #418).....	10.46	3.90
26 05 33 23-0453 1-5/16" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #800) (26 05 33 23-0443)		
26 05 33 23-0454 LF 1-5/16" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #800BAC).....	6.44	1.95
For Concrete Or Masonry Surface, Add	0.20	
26 05 33 23-0455 EA Wire Clip (Wiremold #800WC).....	4.32	1.95
26 05 33 23-0456 EA Cover Clip (Wiremold #806).....	4.42	1.95
26 05 33 23-0457 EA Entrance End Fitting (Wiremold #810A2).....	13.43	3.90
26 05 33 23-0458 EA Blank End Fitting (Wiremold #810B).....	8.70	3.90
26 05 33 23-0459 EA Flat 90 Degree Elbow (Wiremold #811).....	10.07	3.90
26 05 33 23-0460 EA Tee (Wiremold #815).....	12.67	4.87
26 05 33 23-0461 EA Internal Elbow (Wiremold #817).....	9.87	3.90
26 05 33 23-0462 EA External Elbow (Wiremold #818).....	9.87	3.90
26 05 33 23-0463 EA End Reducer, #800 To #400 (Wiremold #889A).....	11.16	3.90
26 05 33 23-0464 2-1/4" x 11/16" One Piece Surface Non-Metallic Raceways (Wiremold #2300) (26 05 33 23-0443)		
26 05 33 23-0465 LF 2-1/4" x 11/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2300BAC).....	7.42	1.95
For Concrete Or Masonry Surface, Add	0.20	
26 05 33 23-0466 LF 2-1/4" x 11/16" One Piece Surface Non-Metallic Divided Raceway Base And Cover (Wiremold #2300BACD).....	7.90	1.95
For Concrete Or Masonry Surface, Add	0.20	
26 05 33 23-0467 EA Wire Clip (Wiremold #2300WC).....	4.53	1.95
26 05 33 23-0468 EA Cover Clip (Wiremold #2306).....	4.78	1.95
26 05 33 23-0469 EA Entrance End Fitting (Wiremold #2310A).....	14.58	3.90
26 05 33 23-0470 EA Blank End Fitting (Wiremold #2310B).....	9.17	3.90
26 05 33 23-0471 EA Divided Entrance End Fitting (Wiremold #2310DFO).....	16.43	3.90
26 05 33 23-0472 EA Flat 90 Degree Elbow (Wiremold #2311).....	10.26	3.90
26 05 33 23-0473 EA Divided Flat 90 Degree Elbow (Wiremold #2311DFO).....	11.04	3.90
26 05 33 23-0474 EA Tee (Wiremold #2315).....	12.77	4.87
26 05 33 23-0475 EA Internal Elbow (Wiremold #2317).....	10.26	3.90
26 05 33 23-0476 EA Divided Internal Elbow (Wiremold #2317DFO).....	11.05	3.90
26 05 33 23-0477 EA External Elbow (Wiremold #2318).....	10.28	3.90
26 05 33 23-0478 EA Divided External Elbow (Wiremold #2318DFO).....	11.19	3.90
26 05 33 23-0479 EA End Reducer, #2300 To #400 (Wiremold #2389).....	11.20	3.90
26 05 33 23-0480 EA End Reducer, #2300 To #800 (Wiremold #2389A).....	11.70	3.90
26 05 33 23-0481 One Piece Surface Non-Metallic Raceway Fittings (Wiremold #400, #800 Or #2300) (26 05 33 23-0443)		
26 05 33 23-0482 EA Blank Cover, 4-1/2" Diameter (Wiremold #2336).....	12.52	3.41
26 05 33 23-0483 EA Extension Box, 5-1/2" Diameter (Wiremold #2337A).....	20.62	3.90
26 05 33 23-0484 EA -A Fixture Box, 5-1/2" Diameter (Wiremold #233).....	20.74	3.90
26 05 33 23-0485 EA Extra Deep Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344).....	18.69	3.90
26 05 33 23-0486 EA Extra Deep Device Box, 2 Gang, 2-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344-2).....	21.70	3.90
26 05 33 23-0487 EA Extra Deep Divided Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344D).....	20.39	3.90

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0488	EA	Deep Divided Device Box, 2 Gang, 2-1/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344SD-2A)	22.16	3.90
26 05 33 23-0489	EA	1-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2347)	18.54	6.34
26 05 33 23-0490	EA	2-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2347-2)	21.18	6.34
26 05 33 23-0491	EA	1-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348)	19.31	6.34
26 05 33 23-0492	EA	2-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2348-2)	23.29	6.34
26 05 33 23-0493	EA	3-Gang Deep Device Box, 1-3/4" Deep x 5" Long x 7" Wide (Wiremold #2348-3)	27.92	6.34
26 05 33 23-0494	EA	1-Gang Deep Device Box With Magnetic Backing, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348AMP)	26.45	6.34
26 05 33 23-0495	EA	1-Gang Divided Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348D)	23.92	6.34
26 05 33 23-0496	EA	Shallow Device And Extension Box, 7/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348S/51)	18.14	6.34
26 05 33 23-0497 3/4" x 3/8" One Piece Surface Non-Metallic Raceways (Wiremold #2700) (26 05 33 23-0443)				
26 05 33 23-0498	LF	3/4" x 3/8" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2700)	5.36	1.95
		For Concrete Or Masonry Surface, Add	0.20	
26 05 33 23-0499	EA	3/4" Wire Clip (Wiremold #2700WC)	2.26	0.97
26 05 33 23-0500	EA	Cover Clip (Wiremold #2706)	3.50	0.97
26 05 33 23-0501	EA	Blank End (Wiremold #2710B)	5.44	1.95
26 05 33 23-0502	EA	Flat 90 Degree Elbow (Wiremold #2711)	6.45	2.44
26 05 33 23-0503	EA	Tee (Wiremold #2715)	10.36	4.38
26 05 33 23-0504	EA	Internal Elbow (Wiremold #2717)	7.43	2.92
26 05 33 23-0505	EA	External Elbow (Wiremold #2718)	7.41	2.92
26 05 33 23-0506	EA	Drop Ceiling Connector (Wiremold #2786)	8.76	3.41
26 05 33 23-0507 1" x 1/2" One Piece Surface Non-Metallic Raceways (Wiremold #2800) (26 05 33 23-0443)				
26 05 33 23-0508	LF	1" x 1/2" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2800)	6.75	2.44
		For Concrete Or Masonry Surface, Add	0.24	
26 05 33 23-0509	EA	1" Wire Clip (Wiremold #2800WC)	3.32	1.46
26 05 33 23-0510	EA	Cover Clip (Wiremold #2806)	4.44	1.46
26 05 33 23-0511	EA	Blank End (Wiremold #2810B)	6.39	2.44
26 05 33 23-0512	EA	Flat 90 Degree Elbow (Wiremold #2811)	8.41	3.41
26 05 33 23-0513	EA	Radiused Flat 90 Degree Elbow (Wiremold #2811FO)	8.96	3.41
26 05 33 23-0514	EA	Tee (Wiremold #2815)	12.31	5.36
26 05 33 23-0515	EA	Internal Elbow (Wiremold #2817)	9.36	3.90
26 05 33 23-0516	EA	External Elbow (Wiremold #2818)	9.38	3.90
26 05 33 23-0517	EA	Radiused Tee (Wiremold #2815FO)	13.05	5.36
26 05 33 23-0518	EA	Radiused Internal Elbow (Wiremold #2817FO)	10.03	3.90
26 05 33 23-0519	EA	Radiused External Elbow (Wiremold #2818FO)	9.93	3.90
26 05 33 23-0520	EA	Drop Ceiling Connector (Wiremold #2886)	10.57	4.38
26 05 33 23-0521	EA	Reducer, #2800 To #2700 (Wiremold #2889)	9.51	3.90
26 05 33 23-0522 1-1/2" x 3/4" One Piece Surface Non-Metallic Raceways (Wiremold #2900) (26 05 33 23-0443)				
26 05 33 23-0523	LF	1-1/2" x 3/4" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2900)	8.20	2.92
		For Concrete Or Masonry Surface, Add	0.29	
26 05 33 23-0524	EA	1-1/2" Wire Clip (Wiremold #2900WC)	4.40	1.95
26 05 33 23-0525	EA	Cover Clip (Wiremold #2906)	5.53	1.95
26 05 33 23-0526	EA	Blank End (Wiremold #2910B)	7.48	2.92
26 05 33 23-0527	EA	Flat 90 Degree Elbow (Wiremold #2911)	9.43	3.90
26 05 33 23-0528	EA	Radiused Flat 90 Degree Elbow (Wiremold #2911FO)	10.30	3.90
26 05 33 23-0529	EA	Tee (Wiremold #2915)	13.33	5.85
26 05 33 23-0530	EA	Radiused Tee (Wiremold #2915FO)	14.22	5.85
26 05 33 23-0531	EA	Internal Elbow (Wiremold #2917)	10.41	4.38
26 05 33 23-0532	EA	Radiused Internal Elbow (Wiremold #2917FO)	11.31	4.38
26 05 33 23-0533	EA	External Elbow (Wiremold #2918)	10.40	4.38
26 05 33 23-0534	EA	Radiused External Elbow (Wiremold #2918FO)	11.56	4.38
26 05 33 23-0535	EA	Drop Ceiling Connector (Wiremold #2986)	10.55	4.38
26 05 33 23-0536	EA	Reducer, #2900 To #2800 (Wiremold #2989)	11.74	4.87
26 05 33 23-0537	EA	Reducer, #2900 To #2700 (Wiremold #2989A)	11.44	4.87
26 05 33 23-0538 Two Piece Surface Non-Metallic Raceways (26 05 33 23-0442)				
Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation. (Wiremold or approved equal).				
26 05 33 23-0539 5" x 1" Two Piece Surface Non-Metallic Raceways (Wiremold #500) (26 05 33 23-0538)				
26 05 33 23-0540	LF	5" x 1" Two Piece Surface Non-Metallic Raceway Base (Wiremold #5000B)	12.89	4.38
		For Concrete Or Masonry Surface, Add	0.44	
26 05 33 23-0541	LF	Black, Gray Or White, Cover (Wiremold #5000C)	12.26	4.38
26 05 33 23-0542	LF	Oak Veneer, Cover (Wiremold #5000COA)	22.93	4.38
26 05 33 23-0543	LF	Maple Wood Veneer, Cover (Wiremold #5000CW)	18.71	4.38
26 05 33 23-0544	LF	Black, Gray Or White, Quarter Round Trim (Wiremold #5000T)	1.73	0.49
26 05 33 23-0545	LF	Oak Veneer, Quarter Round Trim (Wiremold #5000TOA)	7.08	0.49
26 05 33 23-0546	LF	Maple Wood Veneer, Quarter Round Trim (Wiremold #5000TW)	4.40	0.49
26 05 33 23-0547	EA	Base Coupling (Wiremold #5001)	11.92	4.87
26 05 33 23-0548	EA	Blank/Coax Adapter (Wiremold #5004)	6.67	2.44
26 05 33 23-0549	EA	Low Voltage Blank Plate (Wiremold #5005)	8.90	2.92
26 05 33 23-0550	EA	Cover Clip (Wiremold #5006)	12.81	4.87
26 05 33 23-0551	EA	Internal Wire Guard (Wiremold #5006A)	12.00	4.87



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0552 EA Device Bracket (Wiremold #5007C).....	13.67	4.87
26 05 33 23-0553 EA Device Plate (Wiremold #5007C-1).....	24.79	9.75
26 05 33 23-0554 EA Deep Device Plate (Wiremold #5007C-2).....	25.65	9.75
26 05 33 23-0555 EA Right Or Left End Cap (Wiremold #5010).....	21.63	9.26
26 05 33 23-0556 EA Entrance End Feed (Wiremold #5010A).....	41.84	15.10
26 05 33 23-0557 EA Internal Base Elbow (Wiremold #5017B).....	29.12	12.18
26 05 33 23-0558 EA Internal Cover Elbow (Wiremold #5017C).....	26.22	9.75
26 05 33 23-0559 EA Internal Elbow Wire Guard (Wiremold #5017WG).....	17.98	7.31
26 05 33 23-0560 EA External Base Elbow (Wiremold #5018B).....	29.06	12.18
26 05 33 23-0561 EA External Cover Elbow (Wiremold #5018C).....	26.45	9.75
26 05 33 23-0562 EA External Elbow Wire Guard (Wiremold #5018WG).....	11.76	4.87
26 05 33 23-0563 5-1/4" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5400) (26 05 33 23-0538)		
26 05 33 23-0564 LF 5-1/4" x 1-11/16", Two Compartment, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5400TB).....	13.80	4.38
For Concrete Or Masonry Surface, Add	0.44	
26 05 33 23-0565 LF Full Width Cover (Wiremold #5400C).....	4.66	0.49
26 05 33 23-0566 LF Twin Snap Cover (Wiremold #5400TC).....	3.02	0.49
26 05 33 23-0567 EA Twin Snap Cover Wire Clips (Wiremold #5400TWC).....	5.41	2.44
26 05 33 23-0568 EA Cover Clip (Wiremold #5406A).....	8.98	2.92
26 05 33 23-0569 EA Twin Cover Clip (Wiremold #5406T).....	7.62	2.92
26 05 33 23-0570 EA Base Seam Clip (Wiremold #5406TB).....	6.86	2.92
26 05 33 23-0571 EA L Or R (Left Or Right) Transition Fitting (Wiremold #5408).....	50.95	15.10
26 05 33 23-0572 EA End Cap (Wiremold #5410).....	25.18	9.26
26 05 33 23-0573 EA Radiused Divided Entrance Cap Fitting (Wiremold #5410DFO).....	48.98	15.10
26 05 33 23-0574 EA Radiused Flat 90 Degree Elbow (Wiremold #5411FO).....	44.48	12.18
26 05 33 23-0575 EA Tee Fitting (Wiremold #5415).....	51.42	15.10
26 05 33 23-0576 EA Radiused Tee Fitting (Wiremold #5415FO).....	53.76	15.10
26 05 33 23-0577 EA Radiused Internal Elbow (Wiremold #5417FO).....	42.87	15.10
26 05 33 23-0578 EA External Elbow (Wiremold #5418).....	43.45	15.10
26 05 33 23-0579 EA Radiused External Elbow (Wiremold #5418FO).....	43.99	15.10
26 05 33 23-0580 EA 5-5/32" x 6" Device Bracket (Wiremold #5450).....	20.46	4.87
26 05 33 23-0581 EA 7-19/32" x 7-1/2" Device Bracket (Wiremold #5450A3).....	26.83	4.87
26 05 33 23-0582 EA 2-1/2" x 4-7/8" Twin Snap Device Bracket (Wiremold #5450T).....	15.75	4.87
26 05 33 23-0583 EA Transition Fitting (Wiremold #5474).....	45.08	15.10
26 05 33 23-0584 6-11/16" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5500) (26 05 33 23-0539)		
26 05 33 23-0585 LF 6-11/16" x 1-11/16", Three Compartment Divided, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5500BD3).....	17.21	4.38
For Concrete Or Masonry Surface, Add	0.44	
26 05 33 23-0586 LF Cover (Wiremold #5500C).....	6.15	0.49
26 05 33 23-0587 EA Wire Clips (Wiremold #5500WC).....	6.27	2.44
26 05 33 23-0588 EA Cover Clip (Wiremold #5506).....	10.09	2.92
26 05 33 23-0589 EA Base Seam Clip Fitting (Wiremold #5506B).....	7.23	2.92
26 05 33 23-0590 EA Modular Furniture Adapter (Wiremold #5507AD).....	9.42	2.92
26 05 33 23-0591 EA Blank Faceplate (Wiremold #5507B).....	9.46	2.92
26 05 33 23-0592 EA Duplex Receptacle Faceplate (Wiremold #5507D).....	9.51	2.92
26 05 33 23-0593 EA Dual RJ Connector Faceplate (Wiremold #5507FRJ).....	9.51	2.92
26 05 33 23-0594 EA Rectangular Receptacle Faceplate (Wiremold #5507R).....	9.41	2.92
26 05 33 23-0595 EA Dual RJ Connector Faceplate (Wiremold #5507RJ).....	9.44	2.92
26 05 33 23-0596 EA Rectangular Spacer Fitting (Wiremold #5507S).....	9.36	2.92
26 05 33 23-0597 EA Switch Faceplate (Wiremold #5507SW).....	9.39	2.92
26 05 33 23-0598 EA Twistlock Faceplate (Wiremold #5507T1).....	9.46	2.92
26 05 33 23-0599 EA Single Receptacle Faceplate (Wiremold #5507T2).....	9.27	2.92
26 05 33 23-0600 EA 6-5/8" x 6" Device Bracket (Wiremold #5550).....	24.50	4.87
26 05 33 23-0601 EA 9-5/8" x 7-1/2" Device Bracket (Wiremold #5550A4).....	32.79	4.87
26 05 33 23-0602 EA End Cap (Wiremold #5510).....	27.32	9.26
26 05 33 23-0603 EA Entrance End Fitting (Wiremold #5510D).....	55.80	15.10
26 05 33 23-0604 EA Radiused Flat 90 Degree Elbow (Wiremold #5511FO).....	50.80	12.18
26 05 33 23-0605 EA Backfeed Connector (Wiremold #5514A).....	41.00	12.18
26 05 33 23-0606 EA Tee Fitting (Wiremold #5515).....	58.58	15.10
26 05 33 23-0607 EA Radiused Internal Elbow (Wiremold #5517FO).....	47.24	15.10
26 05 33 23-0608 EA External Elbow (Wiremold #5518).....	48.37	15.10
26 05 33 23-0609 EA Radiused External Elbow (Wiremold #5518FO).....	50.77	15.10
26 05 33 23-0610 EA Transition Fitting (Wiremold #5574).....	46.09	15.10
26 05 33 23-0611 EA Transition Fitting (Wiremold #5574A).....	61.60	15.10
26 05 33 23-0612 Surface Cable Protection System (26 05 33 23)		
26 05 33 23-0613 EA 35-1/2" Long x 18-9/16" Wide x 3" High, Three Channel, Heavy Duty Polyurethane, Surface Cable Protector (Yellow Jacket® CP-YJHD-3).....	399.91	
Note: Modular interlocking design with hinged lid.		
26 05 33 23-0614 EA 35-3/4" Long x 19-3/4" Wide x 1-7/8" High, Five Channel, Heavy Duty Polyurethane, Surface Cable Protector (Yellow Jacket® CP-YJHD-5).....	302.57	
Note: Modular interlocking design with hinged lid.		

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 36 Cable Trays for Electrical Systems (26 05)

26 05 36 00-0001	Cable Trays (26 05 36) Note: Excludes supporting hangers.		
26 05 36 00-0002	Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0001)		
26 05 36 00-0003	4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0002)		
26 05 36 00-0004	4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0003)		
26 05 36 00-0005	LF 6" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	36.12 -2.76	10.24
26 05 36 00-0006	LF 9" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	39.03 -2.99	10.99
26 05 36 00-0007	LF 12" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	42.67 -3.28	11.84
26 05 36 00-0008	LF 18" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	47.51 -3.71	12.58
26 05 36 00-0009	LF 24" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	52.17 -4.14	13.01
26 05 36 00-0010	LF 30" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	63.59 -5.11	15.04
26 05 36 00-0011	LF 36" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	71.35 -5.71	17.17
26 05 36 00-0012	6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0003)		
26 05 36 00-0013	LF 6" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	34.06 -2.57	10.03
26 05 36 00-0014	LF 9" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	36.85 -2.79	10.67
26 05 36 00-0015	LF 12" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	39.32 -2.96	11.63
26 05 36 00-0016	LF 18" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	43.12 -3.29	12.27
26 05 36 00-0017	LF 24" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	46.51 -3.60	12.69
26 05 36 00-0018	LF 30" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	54.67 -4.25	14.62
26 05 36 00-0019	LF 36" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	59.74 -4.64	16.00
26 05 36 00-0020	9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0003)		
26 05 36 00-0021	LF 6" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	32.80 -2.46	9.91
26 05 36 00-0022	LF 9" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	33.78 -2.52	10.24
26 05 36 00-0023	LF 12" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	37.23 -2.82	10.88
26 05 36 00-0024	LF 18" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	40.79 -3.12	11.41
26 05 36 00-0025	LF 24" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	44.22 -3.44	11.73
26 05 36 00-0026	LF 30" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	48.20 -3.76	12.80
26 05 36 00-0027	LF 36" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	51.79 -4.02	13.86
26 05 36 00-0028	12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0003)		
26 05 36 00-0029	LF 6" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	31.82 -2.39	9.49
26 05 36 00-0030	LF 9" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	32.49 -2.44	9.70
26 05 36 00-0031	LF 12" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	34.41 -2.59	10.24
26 05 36 00-0032	LF 18" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	36.45 -2.75	10.78
26 05 36 00-0033	LF 24" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	37.98 -2.90	10.78
26 05 36 00-0034	LF 30" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	41.98 -3.23	11.63
26 05 36 00-0035	LF 36" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	44.22 -3.41	12.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0036 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0003)		
26 05 36 00-0037 LF 6" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	31.40	9.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.36	
26 05 36 00-0038 LF 9" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	31.94	9.49
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.40	
26 05 36 00-0039 LF 12" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	33.86	10.03
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.55	
26 05 36 00-0040 LF 18" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	35.55	10.46
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.68	
26 05 36 00-0041 LF 24" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	36.15	10.56
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.74	
26 05 36 00-0042 LF 30" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	38.40	11.31
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.89	
26 05 36 00-0043 LF 36" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	40.06	11.95
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.01	
26 05 36 00-0044 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings (26 05 36 00-0002)		
26 05 36 00-0045 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0046 EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	281.15	106.98
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.20	
26 05 36 00-0047 EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	314.15	121.81
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.26	
26 05 36 00-0048 EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	345.31	134.71
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.31	
26 05 36 00-0049 EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	431.97	165.11
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.44	
26 05 36 00-0050 EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	492.32	189.54
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.44	
26 05 36 00-0051 EA 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	587.46	213.33
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.97	
26 05 36 00-0052 EA 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	677.48	243.82
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.43	
26 05 36 00-0053 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0054 EA 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	397.77	111.25
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.51	
26 05 36 00-0055 EA 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	432.02	127.88
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.54	
26 05 36 00-0056 EA 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	464.06	142.18
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.55	
26 05 36 00-0057 EA 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	539.31	176.63
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.22	
26 05 36 00-0058 EA 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	604.39	204.89
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.37	
26 05 36 00-0059 EA 30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	673.39	232.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.96	
26 05 36 00-0060 EA 36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	788.63	269.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.42	
26 05 36 00-0061 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0062 EA 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	428.98	116.26
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.21	
26 05 36 00-0063 EA 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	472.52	134.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.04	
26 05 36 00-0064 EA 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	510.77	150.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.52	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0065	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	613.19	189.54
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.52	
26 05 36 00-0066	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	697.52	222.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.21	
26 05 36 00-0067	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	818.63	255.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.53	
26 05 36 00-0068	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	929.15	300.79
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.85	
26 05 36 00-0069		12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0070	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	209.22	77.54
		<i>For 60 Degree Bend, Deduct</i>	-39.33	
		<i>For 30 Degree Bend, Deduct</i>	-69.85	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.46	
26 05 36 00-0071	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	238.24	93.00
		<i>For 60 Degree Bend, Deduct</i>	-42.98	
		<i>For 30 Degree Bend, Deduct</i>	-76.80	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.08	
26 05 36 00-0072	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	264.33	106.66
		<i>For 60 Degree Bend, Deduct</i>	-46.34	
		<i>For 30 Degree Bend, Deduct</i>	-83.16	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.54	
26 05 36 00-0073	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	316.10	134.82
		<i>For 60 Degree Bend, Deduct</i>	-52.65	
		<i>For 30 Degree Bend, Deduct</i>	-95.23	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.38	
26 05 36 00-0074	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	392.78	165.11
		<i>For 60 Degree Bend, Deduct</i>	-66.33	
		<i>For 30 Degree Bend, Deduct</i>	-119.72	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.52	
26 05 36 00-0075	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	466.19	189.54
		<i>For 60 Degree Bend, Deduct</i>	-81.18	
		<i>For 30 Degree Bend, Deduct</i>	-145.83	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.82	
26 05 36 00-0076	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	527.65	222.50
		<i>For 60 Degree Bend, Deduct</i>	-88.83	
		<i>For 30 Degree Bend, Deduct</i>	-160.41	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.22	
26 05 36 00-0077		24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0078	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	234.51	79.99
		<i>For 60 Degree Bend, Deduct</i>	-46.74	
		<i>For 30 Degree Bend, Deduct</i>	-82.34	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.79	
26 05 36 00-0079	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	268.53	96.42
		<i>For 60 Degree Bend, Deduct</i>	-51.65	
		<i>For 30 Degree Bend, Deduct</i>	-91.44	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.82	
26 05 36 00-0080	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	306.43	111.35
		<i>For 60 Degree Bend, Deduct</i>	-58.44	
		<i>For 30 Degree Bend, Deduct</i>	-103.59	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.36	
26 05 36 00-0081	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	361.16	142.18
		<i>For 60 Degree Bend, Deduct</i>	-64.67	
		<i>For 30 Degree Bend, Deduct</i>	-115.68	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.26	
26 05 36 00-0082	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	444.58	176.63
		<i>For 60 Degree Bend, Deduct</i>	-79.02	
		<i>For 30 Degree Bend, Deduct</i>	-141.51	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.74	
26 05 36 00-0083	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	521.09	204.89
		<i>For 60 Degree Bend, Deduct</i>	-93.43	
		<i>For 30 Degree Bend, Deduct</i>	-167.10	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.04	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0084	EA		36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	612.27	243.93
			For 60 Degree Bend, Deduct	-108.56	
			For 30 Degree Bend, Deduct	-194.48	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.90	
26 05 36 00-0085			36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0086	EA		6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	282.88	82.56
			For 60 Degree Bend, Deduct	-61.72	
			For 30 Degree Bend, Deduct	-107.45	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.41	
26 05 36 00-0087	EA		9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	320.61	100.26
			For 60 Degree Bend, Deduct	-67.37	
			For 30 Degree Bend, Deduct	-117.86	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.71	
26 05 36 00-0088	EA		12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	350.72	116.36
			For 60 Degree Bend, Deduct	-71.13	
			For 30 Degree Bend, Deduct	-125.02	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.38	
26 05 36 00-0089	EA		18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	420.94	150.61
			For 60 Degree Bend, Deduct	-81.16	
			For 30 Degree Bend, Deduct	-143.64	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.54	
26 05 36 00-0090	EA		24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	495.59	189.54
			For 60 Degree Bend, Deduct	-90.88	
			For 30 Degree Bend, Deduct	-162.00	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.76	
26 05 36 00-0091	EA		30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	602.79	222.50
			For 60 Degree Bend, Deduct	-113.62	
			For 30 Degree Bend, Deduct	-201.73	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.74	
26 05 36 00-0092	EA		36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	706.97	269.32
			For 60 Degree Bend, Deduct	-130.05	
			For 30 Degree Bend, Deduct	-231.72	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.25	
26 05 36 00-0093			12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0094	EA		6" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	304.64	106.66
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.58	
26 05 36 00-0095	EA		9" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	332.88	121.81
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.13	
26 05 36 00-0096	EA		12" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	358.61	134.71
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.64	
26 05 36 00-0097	EA		18" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	415.18	165.11
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.76	
26 05 36 00-0098	EA		24" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	461.76	189.54
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.38	
26 05 36 00-0099	EA		30" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	513.02	213.33
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.53	
26 05 36 00-0100	EA		36" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	569.19	243.50
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.63	
26 05 36 00-0101			24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0102	EA		6" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	364.81	111.25
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.21	
26 05 36 00-0103	EA		9" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	397.07	127.99
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.04	
26 05 36 00-0104	EA		12" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	428.07	142.18
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.96	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0105	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	495.56	176.63
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.84	
26 05 36 00-0106	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	552.88	204.89
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.22	
26 05 36 00-0107	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	610.69	232.52
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.69	
26 05 36 00-0108	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	699.73	269.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.53	
26 05 36 00-0109		36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0110	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	435.86	116.26
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.90	
26 05 36 00-0111	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	475.27	134.71
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.30	
26 05 36 00-0112	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	504.82	150.61
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.93	
26 05 36 00-0113	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	590.09	189.54
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.21	
26 05 36 00-0114	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	647.93	222.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.25	
26 05 36 00-0115	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	741.63	255.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.83	
26 05 36 00-0116	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	836.63	300.79
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.60	
26 05 36 00-0117		12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0118	EA	6" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	544.66	204.89
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.39	
26 05 36 00-0119	EA	9" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	589.25	222.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.38	
26 05 36 00-0120	EA	12" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	618.10	232.52
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.43	
26 05 36 00-0121	EA	18" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	690.53	255.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.72	
26 05 36 00-0122	EA	24" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	783.02	284.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.62	
26 05 36 00-0123	EA	30" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	872.22	301.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.11	
26 05 36 00-0124	EA	36" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	987.15	341.10
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.29	
26 05 36 00-0125		24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0126	EA	6" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	689.35	222.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.39	
26 05 36 00-0127	EA	9" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	740.13	243.93
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.69	
26 05 36 00-0128	EA	12" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	772.43	255.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.91	
26 05 36 00-0129	EA	18" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	846.72	284.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.99	
26 05 36 00-0130	EA	24" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	939.75	319.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.31	
26 05 36 00-0131	EA	30" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,011.41	341.10
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.71	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0132	EA	36" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,223.99 -89.56	394.11
26 05 36 00-0133		36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0134	EA	6" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	882.70 -67.95	243.93
26 05 36 00-0135	EA	9" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	943.33 -71.89	269.32
26 05 36 00-0136	EA	12" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,001.41 -76.46	284.14
26 05 36 00-0137	EA	18" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,100.51 -83.39	319.98
26 05 36 00-0138	EA	24" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,248.80 -94.44	365.32
26 05 36 00-0139	EA	30" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,354.42 -102.60	394.11
26 05 36 00-0140	EA	36" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,524.36 -113.68	465.04
26 05 36 00-0141		12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0142	EA	6" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	661.72 -50.38	189.54
26 05 36 00-0143	EA	9" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	677.20 -51.30	197.00
26 05 36 00-0144	EA	12" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	693.28 -52.26	204.89
26 05 36 00-0145	EA	18" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	728.78 -54.34	222.50
26 05 36 00-0146	EA	24" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	751.56 -55.78	232.52
26 05 36 00-0147	EA	30" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	814.89 -60.16	255.98
26 05 36 00-0148	EA	36" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	877.05 -64.02	284.14
26 05 36 00-0149		24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0150	EA	6" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	966.27 -79.56	204.89
26 05 36 00-0151	EA	9" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	989.47 -81.17	213.33
26 05 36 00-0152	EA	12" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,013.90 -82.85	222.50
26 05 36 00-0153	EA	18" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,067.72 -86.45	243.93
26 05 36 00-0154	EA	24" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,106.08 -89.28	255.98
26 05 36 00-0155	EA	30" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,171.27 -93.45	284.14
26 05 36 00-0156	EA	36" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,261.27 -99.46	319.98
26 05 36 00-0157		36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0158	EA	6" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,538.65	222.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-135.32	
26 05 36 00-0159	EA	9" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,570.53	232.52
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-137.67	
26 05 36 00-0160	EA	12" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,604.60	243.93
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-140.14	
26 05 36 00-0161	EA	18" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,662.20	269.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-143.77	
26 05 36 00-0162	EA	24" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,702.09	284.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-146.53	
26 05 36 00-0163	EA	30" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,807.25	319.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-154.06	
26 05 36 00-0164	EA	36" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,897.91	365.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-159.35	
26 05 36 00-0165		12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0166	EA	6" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	678.40	255.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.51	
26 05 36 00-0167	EA	9" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	712.80	269.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.83	
26 05 36 00-0168	EA	12" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	761.79	284.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.50	
26 05 36 00-0169	EA	18" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	817.63	301.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.65	
26 05 36 00-0170	EA	24" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	920.41	341.10
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.61	
26 05 36 00-0171	EA	30" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,030.41	365.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.60	
26 05 36 00-0172	EA	36" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,126.93	394.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.85	
26 05 36 00-0173		24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0174	EA	6" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	961.98	284.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.52	
26 05 36 00-0175	EA	9" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,005.69	301.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.46	
26 05 36 00-0176	EA	12" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,051.98	319.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.53	
26 05 36 00-0177	EA	18" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,120.61	341.10
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.63	
26 05 36 00-0178	EA	24" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,245.23	394.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.68	
26 05 36 00-0179	EA	30" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,338.96	426.64
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-98.34	
26 05 36 00-0180	EA	36" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,503.12	465.04
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-111.55	
26 05 36 00-0181		36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0182	EA	6" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,215.78	319.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.91	
26 05 36 00-0183	EA	9" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,281.37	341.10
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-99.71	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0184	EA	12" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,351.93	365.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-104.75	
26 05 36 00-0185	EA	18" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,475.75	394.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-114.74	
26 05 36 00-0186	EA	24" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,685.12	465.04
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-129.75	
26 05 36 00-0187	EA	30" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,837.72	511.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-141.18	
26 05 36 00-0188	EA	36" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,010.57	569.35
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-153.61	
26 05 36 00-0189		12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0190	EA	6" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	791.69	255.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.84	
26 05 36 00-0191	EA	9" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	831.70	269.43
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.72	
26 05 36 00-0192	EA	12" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	891.37	284.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.46	
26 05 36 00-0193	EA	18" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	959.77	301.43
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.86	
26 05 36 00-0194	EA	24" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,078.75	341.10
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.45	
26 05 36 00-0195	EA	30" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,220.42	365.42
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.59	
26 05 36 00-0196	EA	36" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,337.69	393.58
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-100.97	
26 05 36 00-0197		24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0198	EA	6" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,181.74	284.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.49	
26 05 36 00-0199	EA	9" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,232.27	301.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-98.12	
26 05 36 00-0200	EA	12" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,285.39	319.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-101.87	
26 05 36 00-0201	EA	18" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,369.03	341.10
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-108.48	
26 05 36 00-0202	EA	24" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,510.03	394.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-118.16	
26 05 36 00-0203	EA	30" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,621.50	426.64
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-126.60	
26 05 36 00-0204	EA	36" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,830.71	465.04
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-144.31	
26 05 36 00-0205		36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0206	EA	6" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,522.89	319.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-125.62	
26 05 36 00-0207	EA	9" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,602.13	341.10
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-131.79	
26 05 36 00-0208	EA	12" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,686.34	365.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-138.19	
26 05 36 00-0209	EA	18" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,844.29	394.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-151.59	
26 05 36 00-0210	EA	24" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,094.60	465.04
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-170.70	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0211	EA		30" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,281.33	511.11
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-185.54	
26 05 36 00-0212	EA		36" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,488.30	569.35
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-201.38	
26 05 36 00-0213			6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings (26 05 36 00-0002)		
26 05 36 00-0214			12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0215	EA		6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	266.45	106.98
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.73	
26 05 36 00-0216	EA		9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	298.29	121.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.67	
26 05 36 00-0217	EA		12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	328.05	134.71
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.58	
26 05 36 00-0218	EA		18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	409.58	165.11
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.20	
26 05 36 00-0219	EA		24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	467.12	189.54
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.92	
26 05 36 00-0220	EA		30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	554.32	213.33
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.66	
26 05 36 00-0221	EA		36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	638.75	243.82
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.56	
26 05 36 00-0222			24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0223	EA		6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	367.43	111.25
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.47	
26 05 36 00-0224	EA		9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	400.75	127.88
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.42	
26 05 36 00-0225	EA		12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	431.62	142.18
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.31	
26 05 36 00-0226	EA		18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	504.31	176.63
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.72	
26 05 36 00-0227	EA		24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	566.82	204.89
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.61	
26 05 36 00-0228	EA		30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	632.56	232.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.88	
26 05 36 00-0229	EA		36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	740.10	269.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.56	
26 05 36 00-0230			36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0231	EA		6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	395.38	116.26
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.85	
26 05 36 00-0232	EA		9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	437.05	134.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.49	
26 05 36 00-0233	EA		12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	473.67	150.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.81	
26 05 36 00-0234	EA		18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	570.72	189.54
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.28	
26 05 36 00-0235	EA		24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	650.85	222.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.54	
26 05 36 00-0236	EA		30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	762.63	255.98
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.93	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0237	EA		36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	868.02 -61.74	300.79
26 05 36 00-0238			12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0239	EA		6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	197.79 -35.56 -63.57 -13.32	77.54
26 05 36 00-0240	EA		9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	226.34 -39.06 -70.26 -14.89	93.00
26 05 36 00-0241	EA		12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	251.97 -42.26 -76.36 -16.31	106.66
26 05 36 00-0242	EA		18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	303.04 -48.34 -88.05 -19.07	134.82
26 05 36 00-0243	EA		24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	375.98 -60.78 -110.48 -23.84	165.11
26 05 36 00-0244	EA		30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	444.73 -74.10 -134.03 -28.68	189.54
26 05 36 00-0245	EA		36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	505.26 -81.44 -148.09 -31.98	222.50
26 05 36 00-0246			24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0247	EA		6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	220.05 -41.97 -74.39 -15.34	79.99
26 05 36 00-0248	EA		9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	253.13 -46.57 -82.97 -17.28	96.42
26 05 36 00-0249	EA		12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	289.17 -52.75 -94.09 -19.64	111.35
26 05 36 00-0250	EA		18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	343.43 -58.82 -105.93 -22.49	142.18
26 05 36 00-0251	EA		24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	423.12 -71.94 -129.70 -27.60	176.63
26 05 36 00-0252	EA		30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	495.42 -84.96 -152.98 -32.47	204.89
26 05 36 00-0253	EA		36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	582.87 -98.86 -178.31 -37.96	243.93

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 05 36 00-0254		36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>			
26 05 36 00-0255	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	262.12	82.56	
		For 60 Degree Bend, Deduct	-54.87		
		For 30 Degree Bend, Deduct	-96.03		
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.34		
26 05 36 00-0256	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	298.68	100.26	
		For 60 Degree Bend, Deduct	-60.14		
		For 30 Degree Bend, Deduct	-105.80		
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.51		
26 05 36 00-0257	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	328.33	116.36	
		For 60 Degree Bend, Deduct	-63.75		
		For 30 Degree Bend, Deduct	-112.71		
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.14		
26 05 36 00-0258	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	396.67	150.61	
		For 60 Degree Bend, Deduct	-73.15		
		For 30 Degree Bend, Deduct	-130.29		
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.11		
26 05 36 00-0259	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	469.92	189.54	
		For 60 Degree Bend, Deduct	-82.41		
		For 30 Degree Bend, Deduct	-147.88		
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.20		
26 05 36 00-0260	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	569.65	222.50	
		For 60 Degree Bend, Deduct	-102.69		
		For 30 Degree Bend, Deduct	-183.51		
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.42		
26 05 36 00-0261	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	670.10	269.32	
		For 60 Degree Bend, Deduct	-117.88		
		For 30 Degree Bend, Deduct	-211.44		
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.56		
26 05 36 00-0262		12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>			
26 05 36 00-0263	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	294.49	106.66	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.56		
26 05 36 00-0264	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	322.49	121.81	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.09		
26 05 36 00-0265	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	347.88	134.71	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.57		
26 05 36 00-0266	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	403.98	165.11	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.64		
26 05 36 00-0267	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	450.09	189.54	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.21		
26 05 36 00-0268	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	500.42	213.33	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.27		
26 05 36 00-0269	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	556.12	243.50	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.32		
26 05 36 00-0270		24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>			
26 05 36 00-0271	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	350.46	111.25	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.77		
26 05 36 00-0272	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	382.37	127.99	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.57		
26 05 36 00-0273	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	412.78	142.18	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.43		
26 05 36 00-0274	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	479.46	176.63	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.23		
26 05 36 00-0275	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	535.96	204.89	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.52		
26 05 36 00-0276	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	592.84	232.52	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.91		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0277	EA		36" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	679.67 -45.52	269.32
26 05 36 00-0278			36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0279	EA		6" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	416.50 -31.96	116.26
26 05 36 00-0280	EA		9" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	455.21 -34.30	134.71
26 05 36 00-0281	EA		12" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	484.52 -35.90	150.61
26 05 36 00-0282	EA		18" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	568.15 -41.02	189.54
26 05 36 00-0283	EA		24" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	625.77 -44.03	222.50
26 05 36 00-0284	EA		30" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	716.43 -50.31	255.98
26 05 36 00-0285	EA		36" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	809.80 -55.92	300.79
26 05 36 00-0286			12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0287	EA		6" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	529.02 -35.83	204.89
26 05 36 00-0288	EA		9" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	572.45 -38.70	222.50
26 05 36 00-0289	EA		12" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	600.36 -40.66	232.52
26 05 36 00-0290	EA		18" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	670.23 -45.69	255.98
26 05 36 00-0291	EA		24" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	759.22 -52.24	284.14
26 05 36 00-0292	EA		30" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	843.76 -59.27	301.32
26 05 36 00-0293	EA		36" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	954.95 -67.07	341.10
26 05 36 00-0294			24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0295	EA		6" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	664.85 -47.94	222.50
26 05 36 00-0296	EA		9" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	714.47 -51.12	243.93
26 05 36 00-0297	EA		12" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	745.83 -53.25	255.98
26 05 36 00-0298	EA		18" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	818.02 -58.12	284.14
26 05 36 00-0299	EA		24" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	908.49 -64.18	319.98
26 05 36 00-0300	EA		30" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	977.35 -69.31	341.10
26 05 36 00-0301	EA		36" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,180.36 -85.20	394.11
26 05 36 00-0302			36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0303	EA	6" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	846.06	243.93
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.28	
26 05 36 00-0304	EA	9" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	905.29	269.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.08	
26 05 36 00-0305	EA	12" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	960.81	284.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.40	
26 05 36 00-0306	EA	18" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,056.88	319.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.02	
26 05 36 00-0307	EA	24" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,199.57	365.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.52	
26 05 36 00-0308	EA	30" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,300.76	394.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.24	
26 05 36 00-0309	EA	36" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,466.73	465.04
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-107.92	
26 05 36 00-0310		12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0311	EA	6" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	635.12	189.54
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.72	
26 05 36 00-0312	EA	9" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	650.37	197.00
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.62	
26 05 36 00-0313	EA	12" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	666.22	204.89
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.55	
26 05 36 00-0314	EA	18" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	701.25	222.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.58	
26 05 36 00-0315	EA	24" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	723.56	232.52
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.98	
26 05 36 00-0316	EA	30" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	785.03	255.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.17	
26 05 36 00-0317	EA	36" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	846.02	284.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.92	
26 05 36 00-0318		24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0319	EA	6" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	918.21	204.89
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.75	
26 05 36 00-0320	EA	9" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	940.71	213.33
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.29	
26 05 36 00-0321	EA	12" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	964.44	222.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.90	
26 05 36 00-0322	EA	18" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,016.86	243.93
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.36	
26 05 36 00-0323	EA	24" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,053.82	255.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.05	
26 05 36 00-0324	EA	30" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,117.61	284.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.08	
26 05 36 00-0325	EA	36" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,205.28	319.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.86	
26 05 36 00-0326		36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0327	EA	6" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,448.82	222.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-126.34	
26 05 36 00-0328	EA	9" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,479.53	232.52
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-128.57	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0329	EA	12" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,512.44	243.93
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-130.92	
26 05 36 00-0330	EA	18" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,568.87	269.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-134.44	
26 05 36 00-0331	EA	24" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,607.59	284.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-137.08	
26 05 36 00-0332	EA	30" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,709.26	319.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-144.26	
26 05 36 00-0333	EA	36" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,798.75	365.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-149.44	
26 05 36 00-0334		12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0335	EA	6" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	659.03	255.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.57	
26 05 36 00-0336	EA	9" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	692.50	269.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.80	
26 05 36 00-0337	EA	12" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	739.62	284.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.28	
26 05 36 00-0338	EA	18" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	793.36	301.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.23	
26 05 36 00-0339	EA	24" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	893.35	341.10
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.91	
26 05 36 00-0340	EA	30" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	997.98	365.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.36	
26 05 36 00-0341	EA	36" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,090.76	394.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.24	
26 05 36 00-0342		24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0343	EA	6" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	924.41	284.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.76	
26 05 36 00-0344	EA	9" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	966.95	301.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.59	
26 05 36 00-0345	EA	12" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,012.08	319.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.54	
26 05 36 00-0346	EA	18" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,078.14	341.10
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.39	
26 05 36 00-0347	EA	24" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,199.96	394.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.16	
26 05 36 00-0348	EA	30" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,290.66	426.64
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.51	
26 05 36 00-0349	EA	36" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,447.13	465.04
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-105.96	
26 05 36 00-0350		36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0351	EA	6" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,163.28	319.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.66	
26 05 36 00-0352	EA	9" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,226.54	341.10
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.23	
26 05 36 00-0353	EA	12" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,294.77	365.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-99.04	
26 05 36 00-0354	EA	18" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,412.75	394.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-108.44	
26 05 36 00-0355	EA	24" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,615.12	465.04
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-122.75	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0356	EA	30" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,761.89	511.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-133.59	
26 05 36 00-0357	EA	36" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,928.90	569.35
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-145.44	
26 05 36 00-0358 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)				
26 05 36 00-0359	EA	6" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	763.61	255.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.03	
26 05 36 00-0360	EA	9" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	802.27	269.43
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.77	
26 05 36 00-0361	EA	12" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	859.23	284.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.25	
26 05 36 00-0362	EA	18" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	924.58	301.43
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.34	
26 05 36 00-0363	EA	24" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,039.50	341.10
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.52	
26 05 36 00-0364	EA	30" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,173.39	365.42
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.89	
26 05 36 00-0365	EA	36" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,285.25	393.58
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-95.73	
26 05 36 00-0366 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)				
26 05 36 00-0367	EA	6" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,127.27	284.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.05	
26 05 36 00-0368	EA	9" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,176.11	301.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-92.50	
26 05 36 00-0369	EA	12" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,227.54	319.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-96.09	
26 05 36 00-0370	EA	18" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,307.45	341.10
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-102.32	
26 05 36 00-0371	EA	24" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,444.39	394.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-111.60	
26 05 36 00-0372	EA	30" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,551.47	426.64
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-119.59	
26 05 36 00-0373	EA	36" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,749.52	465.04
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-136.19	
26 05 36 00-0374 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)				
26 05 36 00-0375	EA	6" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,446.77	319.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-118.01	
26 05 36 00-0376	EA	9" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,522.63	341.10
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-123.84	
26 05 36 00-0377	EA	12" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,603.45	365.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-129.91	
26 05 36 00-0378	EA	18" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,752.94	394.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-142.46	
26 05 36 00-0379	EA	24" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,993.11	465.04
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-160.55	
26 05 36 00-0380	EA	30" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,171.37	511.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-174.54	
26 05 36 00-0381	EA	36" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,369.89	569.35
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-189.54	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0382		9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings (26 05 36 00-0002)		
26 05 36 00-0383		12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)		
26 05 36 00-0384	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	251.75 -16.26	106.98
26 05 36 00-0385	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	282.42 -18.09	121.81
26 05 36 00-0386	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	310.78 -19.86	134.71
26 05 36 00-0387	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	387.18 -24.96	165.11
26 05 36 00-0388	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	441.93 -28.40	189.54
26 05 36 00-0389	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	521.19 -34.34	213.33
26 05 36 00-0390	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	600.02 -39.68	243.82
26 05 36 00-0391		24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)		
26 05 36 00-0392	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	337.10 -24.44	111.25
26 05 36 00-0393	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	369.49 -26.29	127.88
26 05 36 00-0394	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	399.19 -28.07	142.18
26 05 36 00-0395	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	469.31 -32.22	176.63
26 05 36 00-0396	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	529.26 -35.85	204.89
26 05 36 00-0397	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	591.73 -39.79	232.52
26 05 36 00-0398	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	691.57 -46.71	269.32
26 05 36 00-0399		36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)		
26 05 36 00-0400	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	361.78 -26.49	116.26
26 05 36 00-0401	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	401.59 -28.95	134.61
26 05 36 00-0402	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	436.57 -31.10	150.61
26 05 36 00-0403	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	528.26 -37.03	189.54
26 05 36 00-0404	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	604.18 -41.88	222.50
26 05 36 00-0405	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	706.63 -49.33	255.98
26 05 36 00-0406	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	806.89 -55.63	300.79
26 05 36 00-0407		12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)		

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0408	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	186.35 -31.78 -57.28 -12.18	77.54
26 05 36 00-0409	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	214.44 -35.13 -63.71 -13.70	93.00
26 05 36 00-0410	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	239.60 -38.18 -69.56 -15.07	106.66
26 05 36 00-0411	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	289.97 -44.02 -80.86 -17.77	134.82
26 05 36 00-0412	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	359.18 -55.24 -101.24 -22.16	165.11
26 05 36 00-0413	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	423.26 -67.01 -122.22 -26.53	189.54
26 05 36 00-0414	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	482.86 -74.05 -135.77 -29.74	222.50
26 05 36 00-0415		24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)		
26 05 36 00-0416	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	205.58 -37.19 -66.43 -13.90	79.99
26 05 36 00-0417	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	237.73 -41.48 -74.50 -15.74	96.42
26 05 36 00-0418	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	271.90 -47.05 -84.60 -17.91	111.35
26 05 36 00-0419	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	325.69 -52.96 -96.17 -20.72	142.18
26 05 36 00-0420	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	401.65 -64.85 -117.90 -25.45	176.63
26 05 36 00-0421	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	469.76 -76.49 -138.87 -29.90	204.89
26 05 36 00-0422	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	553.47 -89.15 -162.14 -35.02	243.93
26 05 36 00-0423		36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)		
26 05 36 00-0424	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	241.35 -48.02 -84.61 -17.26	82.56



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0425	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	276.74	100.26
		For 60 Degree Bend, Deduct	-52.90	
		For 30 Degree Bend, Deduct	-93.73	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.32	
26 05 36 00-0426	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	305.93	116.36
		For 60 Degree Bend, Deduct	-56.35	
		For 30 Degree Bend, Deduct	-100.39	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.90	
26 05 36 00-0427	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	372.41	150.61
		For 60 Degree Bend, Deduct	-65.15	
		For 30 Degree Bend, Deduct	-116.95	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.69	
26 05 36 00-0428	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	444.26	189.54
		For 60 Degree Bend, Deduct	-73.94	
		For 30 Degree Bend, Deduct	-133.77	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.63	
26 05 36 00-0429	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	536.52	222.50
		For 60 Degree Bend, Deduct	-91.75	
		For 30 Degree Bend, Deduct	-165.29	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.11	
26 05 36 00-0430	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	633.24	269.32
		For 60 Degree Bend, Deduct	-105.72	
		For 30 Degree Bend, Deduct	-191.16	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.88	
26 05 36 00-0431		12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)		
26 05 36 00-0432	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	279.27	106.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.04	
26 05 36 00-0433	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	306.92	121.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.54	
26 05 36 00-0434	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	331.78	134.71
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.96	
26 05 36 00-0435	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	387.18	165.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.96	
26 05 36 00-0436	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	432.59	189.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.46	
26 05 36 00-0437	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	481.53	213.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.38	
26 05 36 00-0438	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	536.52	243.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.36	
26 05 36 00-0439		24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)		
26 05 36 00-0440	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	328.93	111.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.62	
26 05 36 00-0441	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	360.32	127.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.37	
26 05 36 00-0442	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	389.86	142.18
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.13	
26 05 36 00-0443	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	455.31	176.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.82	
26 05 36 00-0444	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	510.59	204.89
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.99	
26 05 36 00-0445	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	566.06	232.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.23	
26 05 36 00-0446	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	649.57	269.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.51	
26 05 36 00-0447		36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)		

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0448	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	387.45	116.26
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.06	
26 05 36 00-0449	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	425.11	134.71
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.29	
26 05 36 00-0450	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	454.07	150.61
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.85	
26 05 36 00-0451	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	535.26	189.54
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.73	
26 05 36 00-0452	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	592.52	222.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.71	
26 05 36 00-0453	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	678.63	255.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.53	
26 05 36 00-0454	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	769.55	300.79
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.89	
26 05 36 00-0455		12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)		
26 05 36 00-0456	EA	6" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	497.76	204.89
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.70	
26 05 36 00-0457	EA	9" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	538.85	222.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.34	
26 05 36 00-0458	EA	12" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	564.90	232.52
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.11	
26 05 36 00-0459	EA	18" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	629.63	255.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.63	
26 05 36 00-0460	EA	24" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	711.62	284.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.48	
26 05 36 00-0461	EA	30" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	786.83	301.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.57	
26 05 36 00-0462	EA	36" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	890.55	341.10
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.63	
26 05 36 00-0463		24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)		
26 05 36 00-0464	EA	6" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	615.85	222.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.04	
26 05 36 00-0465	EA	9" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	663.14	243.93
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.99	
26 05 36 00-0466	EA	12" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	692.63	255.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.93	
26 05 36 00-0467	EA	18" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	760.62	284.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.38	
26 05 36 00-0468	EA	24" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	845.96	319.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.93	
26 05 36 00-0469	EA	30" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	909.21	341.10
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.49	
26 05 36 00-0470	EA	36" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,093.10	394.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.47	
26 05 36 00-0471		36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)		
26 05 36 00-0472	EA	6" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	772.80	243.93
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.96	
26 05 36 00-0473	EA	9" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	829.23	269.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.48	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0474	EA	12" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	879.62	284.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.28	
26 05 36 00-0475	EA	18" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	969.62	319.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.30	
26 05 36 00-0476	EA	24" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,101.11	365.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.67	
26 05 36 00-0477	EA	30" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,193.43	394.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.50	
26 05 36 00-0478	EA	36" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,351.46	465.04
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-96.39	
26 05 36 00-0479		12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)		
26 05 36 00-0480	EA	6" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	581.92	189.54
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.40	
26 05 36 00-0481	EA	9" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	596.70	197.00
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.25	
26 05 36 00-0482	EA	12" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	612.09	204.89
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.14	
26 05 36 00-0483	EA	18" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	646.18	222.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.08	
26 05 36 00-0484	EA	24" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	667.56	232.52
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.38	
26 05 36 00-0485	EA	30" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	725.30	255.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.20	
26 05 36 00-0486	EA	36" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	783.95	284.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.71	
26 05 36 00-0487		24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)		
26 05 36 00-0488	EA	6" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	822.08	204.89
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.14	
26 05 36 00-0489	EA	9" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	843.18	213.33
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.54	
26 05 36 00-0490	EA	12" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	865.51	222.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.01	
26 05 36 00-0491	EA	18" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	915.13	243.93
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.19	
26 05 36 00-0492	EA	24" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	949.29	255.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.60	
26 05 36 00-0493	EA	30" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,010.28	284.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.35	
26 05 36 00-0494	EA	36" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,093.28	319.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.66	
26 05 36 00-0495		36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)		
26 05 36 00-0496	EA	6" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,269.16	222.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-108.37	
26 05 36 00-0497	EA	9" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,297.54	232.52
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-110.38	
26 05 36 00-0498	EA	12" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,328.11	243.93
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-112.49	
26 05 36 00-0499	EA	18" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,382.21	269.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-115.78	
26 05 36 00-0500	EA	24" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,418.60	284.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-118.18	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0501	EA	30" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,513.26	319.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-124.66	
26 05 36 00-0502	EA	36" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,600.42	365.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-129.60	
26 05 36 00-0503 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)				
26 05 36 00-0504	EA	6" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	620.30	255.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.70	
26 05 36 00-0505	EA	9" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	651.90	269.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.74	
26 05 36 00-0506	EA	12" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	695.29	284.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.85	
26 05 36 00-0507	EA	18" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	744.83	301.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.37	
26 05 36 00-0508	EA	24" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	839.22	341.10
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.49	
26 05 36 00-0509	EA	30" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	933.11	365.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.87	
26 05 36 00-0510	EA	36" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,018.43	394.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.00	
26 05 36 00-0511 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)				
26 05 36 00-0512	EA	6" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	849.28	284.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.25	
26 05 36 00-0513	EA	9" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	889.49	301.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.84	
26 05 36 00-0514	EA	12" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	932.29	319.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.56	
26 05 36 00-0515	EA	18" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	993.21	341.10
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.89	
26 05 36 00-0516	EA	24" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,109.43	394.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.10	
26 05 36 00-0517	EA	30" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,194.06	426.64
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.85	
26 05 36 00-0518	EA	36" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,335.13	465.04
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.76	
26 05 36 00-0519 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)				
26 05 36 00-0520	EA	6" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,058.28	319.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.16	
26 05 36 00-0521	EA	9" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,116.87	341.10
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.26	
26 05 36 00-0522	EA	12" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,180.44	365.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.60	
26 05 36 00-0523	EA	18" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,286.76	394.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-95.84	
26 05 36 00-0524	EA	24" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,475.13	465.04
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-108.76	
26 05 36 00-0525	EA	30" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,610.23	511.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-118.43	
26 05 36 00-0526	EA	36" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,765.58	569.35
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-129.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0527 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)		
26 05 36 00-0528 EA 6" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	707.45	255.98
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.41	
26 05 36 00-0529 EA 9" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	743.40	269.43
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.89	
26 05 36 00-0530 EA 12" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	794.95	284.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.82	
26 05 36 00-0531 EA 18" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	854.21	301.43
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-60.30	
26 05 36 00-0532 EA 24" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	961.01	341.10
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-67.67	
26 05 36 00-0533 EA 30" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,079.34	365.42
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-77.48	
26 05 36 00-0534 EA 36" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,180.37	393.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-85.24	
26 05 36 00-0535 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)		
26 05 36 00-0536 EA 6" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,018.33	284.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-78.15	
26 05 36 00-0537 EA 9" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,063.78	301.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-81.27	
26 05 36 00-0538 EA 12" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,111.83	319.98
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-84.52	
26 05 36 00-0539 EA 18" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,184.30	341.10
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-90.00	
26 05 36 00-0540 EA 24" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,313.12	394.11
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-98.47	
26 05 36 00-0541 EA 30" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,411.40	426.64
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-105.59	
26 05 36 00-0542 EA 36" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,587.12	465.04
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-119.95	
26 05 36 00-0543 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)		
26 05 36 00-0544 EA 6" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,294.52	319.98
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-102.79	
26 05 36 00-0545 EA 9" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,363.61	341.10
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-107.93	
26 05 36 00-0546 EA 12" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,437.68	365.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-113.33	
26 05 36 00-0547 EA 18" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,570.25	394.11
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-124.19	
26 05 36 00-0548 EA 24" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,790.11	465.04
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-140.25	
26 05 36 00-0549 EA 30" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,951.46	511.11
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-152.55	
26 05 36 00-0550 EA 36" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,133.06	569.35
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-165.86	
26 05 36 00-0551 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings (26 05 36 00-0002)		
26 05 36 00-0552 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0553	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	246.60 -15.75	106.98
26 05 36 00-0554	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	276.87 -17.53	121.81
26 05 36 00-0555	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	304.74 -19.25	134.71
26 05 36 00-0556	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	379.34 -24.18	165.11
26 05 36 00-0557	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	433.11 -27.51	189.54
26 05 36 00-0558	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	509.59 -33.18	213.33
26 05 36 00-0559	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	586.46 -38.33	243.82
26 05 36 00-0560		24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0561	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	326.48 -23.38	111.25
26 05 36 00-0562	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	358.54 -25.20	127.88
26 05 36 00-0563	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	387.84 -26.93	142.18
26 05 36 00-0564	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	457.06 -30.99	176.63
26 05 36 00-0565	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	516.11 -34.54	204.89
26 05 36 00-0566	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	577.44 -38.37	232.52
26 05 36 00-0567	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	674.58 -45.01	269.32
26 05 36 00-0568		36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0569	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	350.02 -25.31	116.26
26 05 36 00-0570	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	389.17 -27.70	134.61
26 05 36 00-0571	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	423.59 -29.81	150.61
26 05 36 00-0572	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	513.39 -35.54	189.54
26 05 36 00-0573	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	587.85 -40.24	222.50
26 05 36 00-0574	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	687.03 -47.37	255.98
26 05 36 00-0575	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	785.49 -53.49	300.79
26 05 36 00-0576		12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0577	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	182.35 -30.46 -55.08 -11.78	77.54



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0578	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	210.27	93.00
		For 60 Degree Bend, Deduct	-33.75	
		For 30 Degree Bend, Deduct	-61.42	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.28	
26 05 36 00-0579	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	235.27	106.66
		For 60 Degree Bend, Deduct	-36.75	
		For 30 Degree Bend, Deduct	-67.18	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.64	
26 05 36 00-0580	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	285.40	134.82
		For 60 Degree Bend, Deduct	-42.51	
		For 30 Degree Bend, Deduct	-78.35	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.31	
26 05 36 00-0581	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	353.30	165.11
		For 60 Degree Bend, Deduct	-53.30	
		For 30 Degree Bend, Deduct	-98.00	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.57	
26 05 36 00-0582	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	415.75	189.54
		For 60 Degree Bend, Deduct	-64.53	
		For 30 Degree Bend, Deduct	-118.09	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.78	
26 05 36 00-0583	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	475.02	222.50
		For 60 Degree Bend, Deduct	-71.46	
		For 30 Degree Bend, Deduct	-131.46	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.96	
26 05 36 00-0584		24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0585	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	200.52	79.99
		For 60 Degree Bend, Deduct	-35.52	
		For 30 Degree Bend, Deduct	-63.65	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.39	
26 05 36 00-0586	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	232.34	96.42
		For 60 Degree Bend, Deduct	-39.70	
		For 30 Degree Bend, Deduct	-71.53	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.20	
26 05 36 00-0587	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	265.86	111.35
		For 60 Degree Bend, Deduct	-45.05	
		For 30 Degree Bend, Deduct	-81.27	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.31	
26 05 36 00-0588	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	319.49	142.18
		For 60 Degree Bend, Deduct	-50.91	
		For 30 Degree Bend, Deduct	-92.76	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.10	
26 05 36 00-0589	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	394.14	176.63
		For 60 Degree Bend, Deduct	-62.37	
		For 30 Degree Bend, Deduct	-113.77	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.70	
26 05 36 00-0590	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	460.78	204.89
		For 60 Degree Bend, Deduct	-73.53	
		For 30 Degree Bend, Deduct	-133.93	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.01	
26 05 36 00-0591	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	543.19	243.93
		For 60 Degree Bend, Deduct	-85.76	
		For 30 Degree Bend, Deduct	-156.49	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.00	
26 05 36 00-0592		36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0593	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	234.08	82.56
		For 60 Degree Bend, Deduct	-45.62	
		For 30 Degree Bend, Deduct	-80.61	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.53	
26 05 36 00-0594	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	269.07	100.26
		For 60 Degree Bend, Deduct	-50.36	
		For 30 Degree Bend, Deduct	-89.51	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.55	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0595	EA		12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	298.09 -53.77 -96.07 -20.11	116.36
26 05 36 00-0596	EA		18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	363.92 -62.35 -112.28 -23.84	150.61
26 05 36 00-0597	EA		24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	435.28 -70.98 -128.83 -27.73	189.54
26 05 36 00-0598	EA		30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	524.92 -87.93 -158.91 -33.95	222.50
26 05 36 00-0599	EA		36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	620.33 -101.46 -184.06 -39.59	269.32
26 05 36 00-0600			12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0601	EA		6" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	272.16 -18.33	106.66
26 05 36 00-0602	EA		9" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	299.65 -19.81	121.81
26 05 36 00-0603	EA		12" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	324.27 -21.20	134.71
26 05 36 00-0604	EA		18" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	379.34 -24.18	165.11
26 05 36 00-0605	EA		24" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	424.43 -26.65	189.54
26 05 36 00-0606	EA		30" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	472.71 -29.49	213.33
26 05 36 00-0607	EA		36" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	527.38 -32.45	243.50
26 05 36 00-0608			24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0609	EA		6" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	318.89 -22.62	111.25
26 05 36 00-0610	EA		9" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	350.04 -24.34	127.99
26 05 36 00-0611	EA		12" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	379.16 -26.06	142.18
26 05 36 00-0612	EA		18" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	444.04 -29.69	176.63
26 05 36 00-0613	EA		24" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	498.75 -32.80	204.89
26 05 36 00-0614	EA		30" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	553.57 -35.98	232.52
26 05 36 00-0615	EA		36" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	635.52 -41.11	269.32
26 05 36 00-0616			36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0617	EA		6" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	373.89 -27.70	116.26



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0618	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	411.06 -29.88	134.71
26 05 36 00-0619	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	439.86 -31.43	150.61
26 05 36 00-0620	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	519.90 -36.19	189.54
26 05 36 00-0621	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	577.00 -39.16	222.50
26 05 36 00-0622	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	660.99 -44.77	255.98
26 05 36 00-0623	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	750.77 -50.02	300.79
26 05 36 00-0624 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)				
26 05 36 00-0625	EA	6" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	482.13 -31.14	204.89
26 05 36 00-0626	EA	9" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	522.05 -33.66	222.50
26 05 36 00-0627	EA	12" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	547.16 -35.34	232.52
26 05 36 00-0628	EA	18" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	609.33 -39.60	255.98
26 05 36 00-0629	EA	24" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	687.82 -45.10	284.14
26 05 36 00-0630	EA	30" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	758.36 -50.73	301.32
26 05 36 00-0631	EA	36" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	858.35 -57.41	341.10
26 05 36 00-0632 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)				
26 05 36 00-0633	EA	6" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	591.35 -40.59	222.50
26 05 36 00-0634	EA	9" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	637.47 -43.42	243.93
26 05 36 00-0635	EA	12" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	666.03 -45.27	255.98
26 05 36 00-0636	EA	18" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	731.92 -49.51	284.14
26 05 36 00-0637	EA	24" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	814.69 -54.80	319.98
26 05 36 00-0638	EA	30" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	875.15 -59.09	341.10
26 05 36 00-0639	EA	36" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,049.47 -72.11	394.11
26 05 36 00-0640 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)				
26 05 36 00-0641	EA	6" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	736.17 -53.29	243.93
26 05 36 00-0642	EA	9" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	791.20 -56.67	269.32
26 05 36 00-0643	EA	12" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	839.02 -60.22	284.14
26 05 36 00-0644	EA	18" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	925.99 -65.93	319.98

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0645	EA	24" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,051.87	365.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.75	
26 05 36 00-0646	EA	30" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,139.76	394.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.14	
26 05 36 00-0647	EA	36" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,293.83	465.04
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-90.63	
26 05 36 00-0648 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)				
26 05 36 00-0649	EA	6" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	555.32	189.54
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.74	
26 05 36 00-0650	EA	9" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	569.87	197.00
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.57	
26 05 36 00-0651	EA	12" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	585.02	204.89
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.43	
26 05 36 00-0652	EA	18" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	618.65	222.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.32	
26 05 36 00-0653	EA	24" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	639.56	232.52
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.58	
26 05 36 00-0654	EA	30" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	695.43	255.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.21	
26 05 36 00-0655	EA	36" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	752.92	284.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.61	
26 05 36 00-0656 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)				
26 05 36 00-0657	EA	6" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	774.01	204.89
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.33	
26 05 36 00-0658	EA	9" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	794.41	213.33
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.66	
26 05 36 00-0659	EA	12" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	816.04	222.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.06	
26 05 36 00-0660	EA	18" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	864.26	243.93
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.10	
26 05 36 00-0661	EA	24" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	897.02	255.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.37	
26 05 36 00-0662	EA	30" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	956.61	284.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.98	
26 05 36 00-0663	EA	36" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,037.28	319.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.06	
26 05 36 00-0664 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)				
26 05 36 00-0665	EA	6" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,179.33	222.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-99.39	
26 05 36 00-0666	EA	9" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,206.54	232.52
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-101.28	
26 05 36 00-0667	EA	12" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,235.95	243.93
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-103.27	
26 05 36 00-0668	EA	18" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,288.88	269.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-106.44	
26 05 36 00-0669	EA	24" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,324.10	284.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-108.73	
26 05 36 00-0670	EA	30" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,415.27	319.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-114.86	
26 05 36 00-0671	EA	36" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,501.26	365.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-119.69	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0672		12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0673	EA	6" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	600.93	255.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.76	
26 05 36 00-0674	EA	9" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	631.60	269.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.71	
26 05 36 00-0675	EA	12" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	673.12	284.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.63	
26 05 36 00-0676	EA	18" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	720.56	301.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.95	
26 05 36 00-0677	EA	24" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	812.15	341.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.79	
26 05 36 00-0678	EA	30" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	900.68	365.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-59.63	
26 05 36 00-0679	EA	36" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	982.27	394.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-65.39	
26 05 36 00-0680		24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0681	EA	6" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	811.72	284.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.49	
26 05 36 00-0682	EA	9" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	850.76	301.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-59.97	
26 05 36 00-0683	EA	12" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	892.39	319.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-62.57	
26 05 36 00-0684	EA	18" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	950.75	341.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-66.65	
26 05 36 00-0685	EA	24" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,064.17	394.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-73.58	
26 05 36 00-0686	EA	30" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,145.76	426.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-79.02	
26 05 36 00-0687	EA	36" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,279.13	465.04
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-89.16	
26 05 36 00-0688		36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0689	EA	6" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,005.78	319.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-73.91	
26 05 36 00-0690	EA	9" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,062.04	341.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-77.78	
26 05 36 00-0691	EA	12" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,123.27	365.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-81.89	
26 05 36 00-0692	EA	18" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,223.76	394.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-89.54	
26 05 36 00-0693	EA	24" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,405.13	465.04
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-101.76	
26 05 36 00-0694	EA	30" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,534.40	511.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-110.84	
26 05 36 00-0695	EA	36" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,683.91	569.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-120.94	
26 05 36 00-0696		12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0697	EA	6" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	679.37	255.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.61	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0698	EA	9" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	713.97 -48.94	269.43
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0699	EA	12" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	762.80 -52.60	284.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0700	EA	18" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	819.03 -56.79	301.43
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0701	EA	24" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	921.77 -63.75	341.10
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0702	EA	30" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,032.31 -72.78	365.42
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0703	EA	36" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,127.93 -79.99	393.58
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0704		24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0705	EA	6" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	963.86 -72.70	284.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0706	EA	9" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,007.62 -75.65	301.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0707	EA	12" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,053.98 -78.73	319.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0708	EA	18" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,122.73 -83.85	341.10
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0709	EA	24" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,247.49 -91.91	394.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0710	EA	30" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,341.37 -98.58	426.64
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0711	EA	36" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,505.92 -111.83	465.04
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0712		36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0713	EA	6" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,218.40 -95.18	319.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0714	EA	9" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,284.11 -99.98	341.10
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0715	EA	12" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,354.79 -105.04	365.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0716	EA	18" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,478.90 -115.05	394.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0717	EA	24" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,688.62 -130.10	465.04
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0718	EA	30" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,841.51 -141.56	511.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0719	EA	36" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,014.65 -154.02	569.35
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0720		Dropout Or End Plates And Reducers (26 05 36 00-0002)		
26 05 36 00-0721		Straight Reducers (26 05 36 00-0720)		
26 05 36 00-0722	EA	9"-6" Reducer, Steel Cable Tray	238.56 -17.29	78.72
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0723	EA	12"-9" Reducer, Steel Cable Tray	251.73 -18.07	85.22
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0724	EA	18"-12" Reducer, Steel Cable Tray	273.65 -19.17	98.34
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0725	EA	24"-18" Reducer, Steel Cable Tray	301.66 -20.68	113.81
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0726	EA	30"-24" Reducer, Steel Cable Tray	327.66 -22.10	127.99
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0727 EA 36"-30" Reducer, Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	372.07 -25.02	146.23
26 05 36 00-0728 Reducers (26 05 36 00-0720)		
26 05 36 00-0729 EA 18"-6" Reducer, Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	278.42 -19.64	98.45
26 05 36 00-0730 EA 24"-12" Reducer, Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	306.59 -21.16	113.92
26 05 36 00-0731 EA 30"-12" Reducer, Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	336.82 -23.02	127.88
26 05 36 00-0732 EA 30"-18" Reducer, Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	341.32 -23.48	127.78
26 05 36 00-0733 EA 36"-12" Reducer, Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	374.40 -25.25	146.23
26 05 36 00-0734 EA 36"-18" Reducer, Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	385.47 -26.04	150.07
26 05 36 00-0735 EA 36"-24" Reducer, Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	398.13 -26.91	154.87
26 05 36 00-0736 Dropout Or End Plate (26 05 36 00-0720)		
26 05 36 00-0737 EA 6" Dropout Or End Plate, Steel Cable Tray	65.35	32.00
26 05 36 00-0738 EA 9" Dropout Or End Plate, Steel Cable Tray	75.02	36.58
26 05 36 00-0739 EA 12" Dropout Or End Plate, Steel Cable Tray	80.99	39.36
26 05 36 00-0740 EA 18" Dropout Or End Plate, Steel Cable Tray	95.61	46.51
26 05 36 00-0741 EA 24" Dropout Or End Plate, Steel Cable Tray	107.25	51.20
26 05 36 00-0742 EA 30" Dropout Or End Plate, Steel Cable Tray	118.86	56.85
26 05 36 00-0743 EA 36" Dropout Or End Plate, Steel Cable Tray	134.19	64.00
26 05 36 00-0744 Ladder Bottom Aluminum Cable Tray (26 05 36 00-0001) Note: 4-5/8" Height		
26 05 36 00-0745 Straight Tray Sections (26 05 36 00-0744)		
26 05 36 00-0746 4" Rung Spacing (26 05 36 00-0745)		
26 05 36 00-0747 LF 6" Aluminum Cable Tray, 4" Rung Spacing, Straight Section For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	33.87 3.83 -2.76 1.69	7.47
26 05 36 00-0748 LF 9" Aluminum Cable Tray, 4" Rung Spacing, Straight Section For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	35.74 4.05 -2.92 1.79	7.89
26 05 36 00-0749 LF 12" Aluminum Cable Tray, 4" Rung Spacing, Straight Section For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	37.61 4.27 -3.07 1.88	8.21
26 05 36 00-0750 LF 18" Aluminum Cable Tray, 4" Rung Spacing, Straight Section For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	41.60 4.74 -3.41 2.08	8.96
26 05 36 00-0751 LF 24" Aluminum Cable Tray, 4" Rung Spacing, Straight Section For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	46.98 5.46 -3.90 2.35	9.60
26 05 36 00-0752 LF 30" Aluminum Cable Tray, 4" Rung Spacing, Straight Section For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	51.20 5.98 -4.27 2.56	10.24
26 05 36 00-0753 LF 36" Aluminum Cable Tray, 4" Rung Spacing, Straight Section For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	55.08 6.45 -4.60 2.75	10.88
26 05 36 00-0754 6" Rung Spacing (26 05 36 00-0745)		
26 05 36 00-0755 LF 6" Aluminum Cable Tray, 6" Rung Spacing, Straight Section For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	31.92 3.54 -2.57 1.60	7.47
26 05 36 00-0756 LF 9" Aluminum Cable Tray, 6" Rung Spacing, Straight Section For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	33.68 3.74 -2.71 1.68	7.89
26 05 36 00-0757 LF 12" Aluminum Cable Tray, 6" Rung Spacing, Straight Section For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	35.44 3.94 -2.86 1.77	8.21
26 05 36 00-0758 LF 18" Aluminum Cable Tray, 6" Rung Spacing, Straight Section For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	39.18 4.38 -3.17 1.96	8.96

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0759	LF	24" Aluminum Cable Tray, 6" Rung Spacing, Straight Section..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	44.16 5.03 -3.62 2.21	9.60
26 05 36 00-0760	LF	30" Aluminum Cable Tray, 6" Rung Spacing, Straight Section..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	48.09 5.51 -3.96 2.40	10.24
26 05 36 00-0761	LF	36" Aluminum Cable Tray, 6" Rung Spacing, Straight Section..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	51.73 5.94 -4.26 2.59	10.88
26 05 36 00-0762 9" Rung Spacing <small>(26 05 36 00-0745)</small>				
26 05 36 00-0763	LF	6" Aluminum Cable Tray, 9" Rung Spacing, Straight Section <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.02 3.16 -2.30 1.45	7.15
26 05 36 00-0764	LF	9" Aluminum Cable Tray, 9" Rung Spacing, Straight Section <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.65 3.20 -2.34 1.48	7.47
26 05 36 00-0765	LF	12" Aluminum Cable Tray, 9" Rung Spacing, Straight Section..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.57 3.43 -2.50 1.58	7.89
26 05 36 00-0766	LF	18" Aluminum Cable Tray, 9" Rung Spacing, Straight Section..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.77 3.66 -2.67 1.69	8.42
26 05 36 00-0767	LF	24" Aluminum Cable Tray, 9" Rung Spacing, Straight Section..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	37.30 4.14 -3.00 1.87	8.74
26 05 36 00-0768	LF	30" Aluminum Cable Tray, 9" Rung Spacing, Straight Section..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	41.04 4.58 -3.32 2.05	9.38
26 05 36 00-0769	LF	36" Aluminum Cable Tray, 9" Rung Spacing, Straight Section..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	43.83 4.86 -3.53 2.19	10.24
26 05 36 00-0770 12" Rung Spacing <small>(26 05 36 00-0745)</small>				
26 05 36 00-0771	LF	6" Aluminum Cable Tray, 12" Rung Spacing, Straight Section..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.32 3.09 -2.26 1.42	6.94
26 05 36 00-0772	LF	9" Aluminum Cable Tray, 12" Rung Spacing, Straight Section..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.83 3.13 -2.29 1.44	7.15
26 05 36 00-0773	LF	12" Aluminum Cable Tray, 12" Rung Spacing, Straight Section..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.10 3.25 -2.38 1.51	7.57
26 05 36 00-0774	LF	18" Aluminum Cable Tray, 12" Rung Spacing, Straight Section..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.88 3.44 -2.52 1.59	8.00
26 05 36 00-0775	LF	24" Aluminum Cable Tray, 12" Rung Spacing, Straight Section..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.16 3.77 -2.74 1.71	8.11
26 05 36 00-0776	LF	30" Aluminum Cable Tray, 12" Rung Spacing, Straight Section..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	36.87 4.04 -2.94 1.84	8.96
26 05 36 00-0777	LF	36" Aluminum Cable Tray, 12" Rung Spacing, Straight Section..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	39.27 4.28 -3.12 1.96	9.70
26 05 36 00-0778 18" Rung Spacing <small>(26 05 36 00-0745)</small>				
26 05 36 00-0779	LF	6" Aluminum Cable Tray, 18" Rung Spacing, Straight Section..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.91 3.06 -2.23 1.40	6.72
26 05 36 00-0780	LF	9" Aluminum Cable Tray, 18" Rung Spacing, Straight Section..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.14 3.06 -2.23 1.41	7.04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0781 LF 12" Aluminum Cable Tray, 18" Rung Spacing, Straight Section For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	29.57 3.22 -2.35 1.48	7.25
26 05 36 00-0782 LF 18" Aluminum Cable Tray, 18" Rung Spacing, Straight Section For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	31.15 3.40 -2.48 1.56	7.68
26 05 36 00-0783 LF 24" Aluminum Cable Tray, 18" Rung Spacing, Straight Section For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	32.77 3.62 -2.63 1.64	7.79
26 05 36 00-0784 LF 30" Aluminum Cable Tray, 18" Rung Spacing, Straight Section For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	34.61 3.78 -2.75 1.73	8.53
26 05 36 00-0785 LF 36" Aluminum Cable Tray, 18" Rung Spacing, Straight Section For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	36.92 3.99 -2.92 1.85	9.28
26 05 36 00-0786 4" Rung Tray Fittings (26 05 36 00-0744)		
26 05 36 00-0787 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-0786)		
26 05 36 00-0788 EA 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	278.43 -18.93 13.92	106.98
26 05 36 00-0789 EA 9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	305.80 -20.43 15.29	121.81
26 05 36 00-0790 EA 12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	346.18 -23.40 17.31	134.71
26 05 36 00-0791 EA 18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	412.13 -27.45 20.61	165.11
26 05 36 00-0792 EA 24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	485.85 -32.79 24.29	189.54
26 05 36 00-0793 EA 30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	535.60 -35.78 26.78	213.33
26 05 36 00-0794 EA 36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	624.47 -42.13 31.22	243.82
26 05 36 00-0795 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-0786)		
26 05 36 00-0796 EA 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	362.97 -27.03 18.15	111.25
26 05 36 00-0797 EA 9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	398.30 -29.17 19.92	127.88
26 05 36 00-0798 EA 12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	431.04 -31.25 21.55	142.18
26 05 36 00-0799 EA 18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	504.82 -35.77 25.24	176.63
26 05 36 00-0800 EA 24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	572.22 -40.15 28.61	204.89
26 05 36 00-0801 EA 30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	639.91 -44.61 32.00	232.52
26 05 36 00-0802 EA 36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	732.96 -50.85 36.65	269.32
26 05 36 00-0803 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-0786)		
26 05 36 00-0804 EA 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	389.07 -29.22 19.45	116.26
26 05 36 00-0805 EA 9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	424.61 -31.25 21.23	134.61
26 05 36 00-0806 EA 12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	474.26 -34.87 23.71	150.61
26 05 36 00-0807 EA 18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	567.01 -40.90 28.35	189.54

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0808	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	654.91	222.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.95	
		For 6" Overall Height Instead Of 4-5/8", Add	32.75	
26 05 36 00-0809	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	738.58	255.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.53	
		For 6" Overall Height Instead Of 4-5/8", Add	36.93	
26 05 36 00-0810	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	858.82	300.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-60.82	
		For 6" Overall Height Instead Of 4-5/8", Add	42.94	
26 05 36 00-0811		45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-0786)		
26 05 36 00-0812	EA	6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	195.13	77.54
		For 60 Degree Bend, Deduct	-34.68	
		For 30 Degree Bend, Deduct	-62.11	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.05	
		For 6" Overall Height Instead Of 4-5/8", Add	9.76	
26 05 36 00-0813	EA	9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	223.42	93.00
		For 60 Degree Bend, Deduct	-38.09	
		For 30 Degree Bend, Deduct	-68.65	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.60	
		For 6" Overall Height Instead Of 4-5/8", Add	11.17	
26 05 36 00-0814	EA	12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	248.78	106.66
		For 60 Degree Bend, Deduct	-41.21	
		For 30 Degree Bend, Deduct	-74.61	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.99	
		For 6" Overall Height Instead Of 4-5/8", Add	12.44	
26 05 36 00-0815	EA	18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	308.33	134.82
		For 60 Degree Bend, Deduct	-50.08	
		For 30 Degree Bend, Deduct	-90.96	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.60	
		For 6" Overall Height Instead Of 4-5/8", Add	15.42	
26 05 36 00-0816	EA	24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	379.16	165.11
		For 60 Degree Bend, Deduct	-61.83	
		For 30 Degree Bend, Deduct	-112.23	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.16	
		For 6" Overall Height Instead Of 4-5/8", Add	18.96	
26 05 36 00-0817	EA	30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	435.13	189.54
		For 60 Degree Bend, Deduct	-70.93	
		For 30 Degree Bend, Deduct	-128.75	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.72	
		For 6" Overall Height Instead Of 4-5/8", Add	21.76	
26 05 36 00-0818	EA	36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	495.13	222.50
		For 60 Degree Bend, Deduct	-78.10	
		For 30 Degree Bend, Deduct	-142.52	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.97	
		For 6" Overall Height Instead Of 4-5/8", Add	24.76	
26 05 36 00-0819		45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-0786)		
26 05 36 00-0820	EA	6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	222.01	79.99
		For 60 Degree Bend, Deduct	-42.62	
		For 30 Degree Bend, Deduct	-75.47	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.54	
		For 6" Overall Height Instead Of 4-5/8", Add	11.10	
26 05 36 00-0821	EA	9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	259.64	96.42
		For 60 Degree Bend, Deduct	-48.71	
		For 30 Degree Bend, Deduct	-86.55	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.93	
		For 6" Overall Height Instead Of 4-5/8", Add	12.98	
26 05 36 00-0822	EA	12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	287.02	111.35
		For 60 Degree Bend, Deduct	-52.04	
		For 30 Degree Bend, Deduct	-92.91	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.42	
		For 6" Overall Height Instead Of 4-5/8", Add	14.35	
26 05 36 00-0823	EA	18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	346.08	142.18
		For 60 Degree Bend, Deduct	-59.69	
		For 30 Degree Bend, Deduct	-107.38	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.76	
		For 6" Overall Height Instead Of 4-5/8", Add	17.30	
26 05 36 00-0824	EA	24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	421.13	176.63
		For 60 Degree Bend, Deduct	-71.28	
		For 30 Degree Bend, Deduct	-128.61	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.40	
		For 6" Overall Height Instead Of 4-5/8", Add	21.06	
26 05 36 00-0825	EA	30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	493.60	204.89
		For 60 Degree Bend, Deduct	-84.36	
		For 30 Degree Bend, Deduct	-151.98	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.29	
		For 6" Overall Height Instead Of 4-5/8", Add	24.68	
26 05 36 00-0826	EA	36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	566.26	243.93
		For 60 Degree Bend, Deduct	-93.38	
		For 30 Degree Bend, Deduct	-169.18	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.30	
		For 6" Overall Height Instead Of 4-5/8", Add	28.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0827 45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-0786)		
26 05 36 00-0828 EA 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	256.72	82.56
For 60 Degree Bend, Deduct	-53.09	
For 30 Degree Bend, Deduct	-93.06	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.80	
For 6" Overall Height Instead Of 4-5/8", Add	12.84	
26 05 36 00-0829 EA 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	288.81	100.26
For 60 Degree Bend, Deduct	-56.88	
For 30 Degree Bend, Deduct	-100.37	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.53	
For 6" Overall Height Instead Of 4-5/8", Add	14.44	
26 05 36 00-0830 EA 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	318.20	116.36
For 60 Degree Bend, Deduct	-60.40	
For 30 Degree Bend, Deduct	-107.13	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.12	
For 6" Overall Height Instead Of 4-5/8", Add	15.91	
26 05 36 00-0831 EA 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	388.03	150.61
For 60 Degree Bend, Deduct	-70.30	
For 30 Degree Bend, Deduct	-125.54	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.25	
For 6" Overall Height Instead Of 4-5/8", Add	19.40	
26 05 36 00-0832 EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	483.31	189.54
For 60 Degree Bend, Deduct	-86.83	
For 30 Degree Bend, Deduct	-155.25	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.53	
For 6" Overall Height Instead Of 4-5/8", Add	24.17	
26 05 36 00-0833 EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	548.39	222.50
For 60 Degree Bend, Deduct	-95.67	
For 30 Degree Bend, Deduct	-171.81	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.30	
For 6" Overall Height Instead Of 4-5/8", Add	27.42	
26 05 36 00-0834 EA 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	644.19	269.32
For 60 Degree Bend, Deduct	-109.33	
For 30 Degree Bend, Deduct	-197.19	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.97	
For 6" Overall Height Instead Of 4-5/8", Add	32.21	
26 05 36 00-0835 90 Degree, 12" Radius Vertical Risers (26 05 36 00-0786)		
26 05 36 00-0836 EA 6" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	302.31	106.66
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.34	
For 6" Overall Height Instead Of 4-5/8", Add	15.12	
26 05 36 00-0837 EA 9" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	334.43	121.81
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.29	
For 6" Overall Height Instead Of 4-5/8", Add	16.72	
26 05 36 00-0838 EA 12" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	358.05	134.71
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.58	
For 6" Overall Height Instead Of 4-5/8", Add	17.90	
26 05 36 00-0839 EA 18" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	413.31	165.11
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.57	
For 6" Overall Height Instead Of 4-5/8", Add	20.67	
26 05 36 00-0840 EA 24" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	460.85	189.54
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.29	
For 6" Overall Height Instead Of 4-5/8", Add	23.04	
26 05 36 00-0841 EA 30" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	507.24	213.33
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.95	
For 6" Overall Height Instead Of 4-5/8", Add	25.36	
26 05 36 00-0842 EA 36" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	562.10	243.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.92	
For 6" Overall Height Instead Of 4-5/8", Add	28.11	
26 05 36 00-0843 90 Degree, 24" Radius Vertical Risers (26 05 36 00-0786)		
26 05 36 00-0844 EA 6" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	320.17	111.25
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.75	
For 6" Overall Height Instead Of 4-5/8", Add	16.01	
26 05 36 00-0845 EA 9" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	353.72	127.99
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.71	
For 6" Overall Height Instead Of 4-5/8", Add	17.69	
26 05 36 00-0846 EA 12" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	380.82	142.18
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.23	
For 6" Overall Height Instead Of 4-5/8", Add	19.04	
26 05 36 00-0847 EA 18" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	446.03	176.63
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.89	
For 6" Overall Height Instead Of 4-5/8", Add	22.30	
26 05 36 00-0848 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	502.20	204.89
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.15	
For 6" Overall Height Instead Of 4-5/8", Add	25.11	
26 05 36 00-0849 EA 30" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	557.40	232.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.36	
For 6" Overall Height Instead Of 4-5/8", Add	27.87	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0850	EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	630.06 -40.56 31.50	269.32
26 05 36 00-0851		90 Degree, 36" Radius Vertical Risers (26 05 36 00-0786)		
26 05 36 00-0852	EA	6" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	402.11 -30.52 20.11	116.26
26 05 36 00-0853	EA	9" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	437.30 -32.51 21.87	134.71
26 05 36 00-0854	EA	12" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	477.52 -35.20 23.88	150.61
26 05 36 00-0855	EA	18" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	551.43 -39.35 27.57	189.54
26 05 36 00-0856	EA	24" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	615.42 -43.00 30.77	222.50
26 05 36 00-0857	EA	30" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	689.31 -47.60 34.47	255.98
26 05 36 00-0858	EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	775.22 -52.46 38.76	300.79
26 05 36 00-0859		12" Radius Horizontal Tees (26 05 36 00-0786)		
26 05 36 00-0860	EA	6" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	485.08 -31.44 24.25	204.89
26 05 36 00-0861	EA	9" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	523.93 -33.85 26.20	222.50
26 05 36 00-0862	EA	12" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	543.00 -34.92 27.15	232.52
26 05 36 00-0863	EA	18" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	612.68 -39.94 30.63	255.98
26 05 36 00-0864	EA	24" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	678.51 -44.17 33.93	284.14
26 05 36 00-0865	EA	30" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	740.02 -48.89 37.00	301.32
26 05 36 00-0866	EA	36" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	853.51 -56.92 42.68	341.10
26 05 36 00-0867		24" Radius Horizontal Tees (26 05 36 00-0786)		
26 05 36 00-0868	EA	6" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	615.78 -43.04 30.79	222.50
26 05 36 00-0869	EA	9" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	665.53 -46.23 33.28	243.93
26 05 36 00-0870	EA	12" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	692.75 -47.94 34.64	255.98
26 05 36 00-0871	EA	18" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	763.29 -52.65 38.16	284.14
26 05 36 00-0872	EA	24" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	848.87 -58.22 42.44	319.98
26 05 36 00-0873	EA	30" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	914.74 -63.05 45.74	341.10
26 05 36 00-0874	EA	36" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,186.65 -85.83 59.33	394.11
26 05 36 00-0875		36" Radius Horizontal Tees (26 05 36 00-0786)		
26 05 36 00-0876	EA	6" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	752.66 -54.94 37.63	243.93
26 05 36 00-0877	EA	9" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	804.51 -58.01 40.23	269.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0878 EA 12" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	862.20 -62.54 43.11	284.14
26 05 36 00-0879 EA 18" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	943.07 -67.64 47.15	319.98
26 05 36 00-0880 EA 24" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,060.95 -75.66 53.05	365.32
26 05 36 00-0881 EA 30" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,229.04 -90.07 61.45	394.11
26 05 36 00-0882 EA 36" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,410.99 -102.34 70.55	465.04
26 05 36 00-0883 12" Radius Vertical Tees (26 05 36 00-0786)		
26 05 36 00-0884 EA 6" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	638.56 -48.06 31.93	189.54
26 05 36 00-0885 EA 9" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	660.43 -49.62 33.02	197.00
26 05 36 00-0886 EA 12" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	675.84 -50.51 33.79	204.89
26 05 36 00-0887 EA 18" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	712.33 -52.69 35.62	222.50
26 05 36 00-0888 EA 24" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	757.30 -56.35 37.87	232.52
26 05 36 00-0889 EA 30" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	803.44 -59.01 40.17	255.98
26 05 36 00-0890 EA 36" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	862.20 -62.54 43.11	284.14
26 05 36 00-0891 24" Radius Vertical Tees (26 05 36 00-0786)		
26 05 36 00-0892 EA 6" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	887.78 -71.71 44.39	204.89
26 05 36 00-0893 EA 9" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	908.95 -73.12 45.45	213.33
26 05 36 00-0894 EA 12" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	931.34 -74.59 46.57	222.50
26 05 36 00-0895 EA 18" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	983.45 -78.02 49.17	243.93
26 05 36 00-0896 EA 24" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,017.74 -80.44 50.89	255.98
26 05 36 00-0897 EA 30" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,078.86 -84.20 53.94	284.14
26 05 36 00-0898 EA 36" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,192.69 -92.60 59.63	319.98
26 05 36 00-0899 36" Radius Vertical Tee (26 05 36 00-0786)		
26 05 36 00-0900 EA 6" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,410.23 -122.48 70.51	222.50
26 05 36 00-0901 EA 9" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,440.43 -124.66 72.02	232.52
26 05 36 00-0902 EA 12" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,472.84 -126.96 73.64	243.93
26 05 36 00-0903 EA 18" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,528.78 -130.43 76.44	269.32
26 05 36 00-0904 EA 24" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,567.00 -133.02 78.35	284.14
26 05 36 00-0905 EA 30" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,667.15 -140.05 83.36	319.98

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0906	EA	36" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,756.13 -145.17 87.81	365.32
26 05 36 00-0907 12" Radius Horizontal Crosses (26 05 36 00-0786)				
26 05 36 00-0908	EA	6" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	.626.81 -41.35 31.34	255.98
26 05 36 00-0909	EA	9" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	.670.28 -44.58 33.51	269.32
26 05 36 00-0910	EA	12" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	.697.35 -46.05 34.87	284.14
26 05 36 00-0911	EA	18" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	.772.99 -52.19 38.65	301.32
26 05 36 00-0912	EA	24" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	.848.80 -56.45 42.44	341.10
26 05 36 00-0913	EA	30" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	.938.49 -63.41 46.92	365.32
26 05 36 00-0914	EA	36" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,068.90 -74.05 53.45	394.11
26 05 36 00-0915 24" Radius Horizontal Crosses (26 05 36 00-0786)				
26 05 36 00-0916	EA	6" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	.857.49 -62.07 42.87	284.14
26 05 36 00-0917	EA	9" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	.897.81 -64.67 44.89	301.32
26 05 36 00-0918	EA	12" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	.940.71 -67.41 47.04	319.98
26 05 36 00-0919	EA	18" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	.997.17 -71.29 49.86	341.10
26 05 36 00-0920	EA	24" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,123.07 -79.47 56.15	394.11
26 05 36 00-0921	EA	30" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,354.12 -99.86 67.71	426.64
26 05 36 00-0922	EA	36" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,500.09 -111.25 75.00	465.04
26 05 36 00-0923 36" Radius Horizontal Crosses (26 05 36 00-0786)				
26 05 36 00-0924	EA	6" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	.985.46 -71.88 49.27	319.98
26 05 36 00-0925	EA	9" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,175.20 -89.09 58.76	341.10
26 05 36 00-0926	EA	12" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,251.83 -94.74 62.59	365.32
26 05 36 00-0927	EA	18" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,189.00 -86.06 59.45	394.11
26 05 36 00-0928	EA	24" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,434.54 -104.70 71.73	465.04
26 05 36 00-0929	EA	30" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,581.96 -115.60 79.10	511.11
26 05 36 00-0930	EA	36" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,761.41 -128.69 88.07	569.35
26 05 36 00-0931 12" Radius Vertical Cross (26 05 36 00-0786)				
26 05 36 00-0932	EA	6" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	.626.81 -41.35 31.34	255.98
26 05 36 00-0933	EA	9" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	.670.43 -44.59 33.52	269.43



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0934 EA 12" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	697.26 -46.05 34.86	284.14
26 05 36 00-0935 EA 18" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	773.18 -52.20 38.66	301.43
26 05 36 00-0936 EA 24" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	848.80 -56.45 42.44	341.10
26 05 36 00-0937 EA 30" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	938.77 -63.42 46.94	365.42
26 05 36 00-0938 EA 36" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,068.09 -74.01 53.40	393.58
26 05 36 00-0939 24" Radius Vertical Crosses (26 05 36 00-0786)		
26 05 36 00-0940 EA 6" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	857.49 -62.07 42.87	284.14
26 05 36 00-0941 EA 9" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	897.81 -64.67 44.89	301.32
26 05 36 00-0942 EA 12" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	940.71 -67.41 47.04	319.98
26 05 36 00-0943 EA 18" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	997.17 -71.29 49.86	341.10
26 05 36 00-0944 EA 24" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,123.07 -79.47 56.15	394.11
26 05 36 00-0945 EA 30" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,210.33 -85.48 60.52	426.64
26 05 36 00-0946 EA 36" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,337.99 -95.04 66.90	465.04
26 05 36 00-0947 36" Radius Vertical Crosses (26 05 36 00-0786)		
26 05 36 00-0948 EA 6" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,188.93 -92.23 59.45	319.98
26 05 36 00-0949 EA 9" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,251.50 -96.72 62.58	341.10
26 05 36 00-0950 EA 12" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,332.71 -102.83 66.64	365.32
26 05 36 00-0951 EA 18" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,428.51 -110.01 71.43	394.11
26 05 36 00-0952 EA 24" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,731.27 -134.37 86.56	465.04
26 05 36 00-0953 EA 30" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,910.48 -148.45 95.52	511.11
26 05 36 00-0954 EA 36" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	2,127.02 -165.26 106.35	569.35
26 05 36 00-0955 6" Rung Tray Fittings (26 05 36 00-0744)		
26 05 36 00-0956 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-0955)		
26 05 36 00-0957 EA 6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	264.12 -17.50 13.21	106.98
26 05 36 00-0958 EA 9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	291.13 -18.96 14.56	121.81
26 05 36 00-0959 EA 12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	328.79 -21.66 16.44	134.71
26 05 36 00-0960 EA 18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	392.57 -25.50 19.63	165.11
26 05 36 00-0961 EA 24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	461.58 -30.36 23.08	189.54

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0962	EA	30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	509.87 -33.21 25.49	213.33
26 05 36 00-0963	EA	36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	593.31 -39.01 29.67	243.82
26 05 36 00-0964 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-0955)				
26 05 36 00-0965	EA	6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	337.61 -24.49 16.88	111.25
26 05 36 00-0966	EA	9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	371.85 -26.53 18.59	127.88
26 05 36 00-0967	EA	12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	403.33 -28.48 20.17	142.18
26 05 36 00-0968	EA	18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	474.75 -32.76 23.74	176.63
26 05 36 00-0969	EA	24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	539.25 -36.85 26.96	204.89
26 05 36 00-0970	EA	30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	603.87 -41.01 30.19	232.52
26 05 36 00-0971	EA	36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	692.38 -46.79 34.62	269.32
26 05 36 00-0972 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-0955)				
26 05 36 00-0973	EA	6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	361.17 -26.43 18.06	116.26
26 05 36 00-0974	EA	9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	395.99 -28.39 19.80	134.61
26 05 36 00-0975	EA	12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	442.38 -31.68 22.12	150.61
26 05 36 00-0976	EA	18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	531.14 -37.32 26.56	189.54
26 05 36 00-0977	EA	24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	614.33 -42.89 30.72	222.50
26 05 36 00-0978	EA	30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	694.02 -48.07 34.70	255.98
26 05 36 00-0979	EA	36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	807.74 -55.71 40.39	300.79
26 05 36 00-0980 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-0955)				
26 05 36 00-0981	EA	6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	185.71 -31.57 -56.92 -12.11 9.29	77.54
26 05 36 00-0982	EA	9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	213.63 -34.86 -63.27 -13.62 10.68	93.00
26 05 36 00-0983	EA	12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	238.64 -37.86 -69.03 -14.98 11.93	106.66
26 05 36 00-0984	EA	18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	296.38 -46.14 -84.39 -18.41 14.82	134.82
26 05 36 00-0985	EA	24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	364.31 -56.93 -104.06 -22.67 18.22	165.11



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0986	EA	30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	418.10	189.54
		For 60 Degree Bend, Deduct	-65.31	
		For 30 Degree Bend, Deduct	-119.38	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.01	
		For 6" Overall Height Instead Of 4-5/8", Add	20.91	
26 05 36 00-0987	EA	36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	477.38	222.50
		For 60 Degree Bend, Deduct	-72.24	
		For 30 Degree Bend, Deduct	-132.76	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.20	
		For 6" Overall Height Instead Of 4-5/8", Add	23.87	
26 05 36 00-0988		45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-0955)		
26 05 36 00-0989	EA	6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	209.33	79.99
		For 60 Degree Bend, Deduct	-38.43	
		For 30 Degree Bend, Deduct	-68.49	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.27	
		For 6" Overall Height Instead Of 4-5/8", Add	10.47	
26 05 36 00-0990	EA	9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	245.51	96.42
		For 60 Degree Bend, Deduct	-44.05	
		For 30 Degree Bend, Deduct	-78.78	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.51	
		For 6" Overall Height Instead Of 4-5/8", Add	12.28	
26 05 36 00-0991	EA	12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	272.52	111.35
		For 60 Degree Bend, Deduct	-47.25	
		For 30 Degree Bend, Deduct	-84.94	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.97	
		For 6" Overall Height Instead Of 4-5/8", Add	13.63	
26 05 36 00-0992	EA	18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	330.50	142.18
		For 60 Degree Bend, Deduct	-54.55	
		For 30 Degree Bend, Deduct	-98.81	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.20	
		For 6" Overall Height Instead Of 4-5/8", Add	16.53	
26 05 36 00-0993	EA	24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	403.01	176.63
		For 60 Degree Bend, Deduct	-65.30	
		For 30 Degree Bend, Deduct	-118.64	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.59	
		For 6" Overall Height Instead Of 4-5/8", Add	20.15	
26 05 36 00-0994	EA	30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	471.86	204.89
		For 60 Degree Bend, Deduct	-77.18	
		For 30 Degree Bend, Deduct	-140.02	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.11	
		For 6" Overall Height Instead Of 4-5/8", Add	23.59	
26 05 36 00-0995	EA	36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	543.43	243.93
		For 60 Degree Bend, Deduct	-85.84	
		For 30 Degree Bend, Deduct	-156.62	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.02	
		For 6" Overall Height Instead Of 4-5/8", Add	27.17	
26 05 36 00-0996		45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-0955)		
26 05 36 00-0997	EA	6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	239.69	82.56
		For 60 Degree Bend, Deduct	-47.47	
		For 30 Degree Bend, Deduct	-83.70	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.09	
		For 6" Overall Height Instead Of 4-5/8", Add	11.98	
26 05 36 00-0998	EA	9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	271.42	100.26
		For 60 Degree Bend, Deduct	-51.14	
		For 30 Degree Bend, Deduct	-90.80	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.79	
		For 6" Overall Height Instead Of 4-5/8", Add	13.57	
26 05 36 00-0999	EA	12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	300.45	116.36
		For 60 Degree Bend, Deduct	-54.54	
		For 30 Degree Bend, Deduct	-97.37	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.35	
		For 6" Overall Height Instead Of 4-5/8", Add	15.02	
26 05 36 00-1000	EA	18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	368.47	150.61
		For 60 Degree Bend, Deduct	-63.85	
		For 30 Degree Bend, Deduct	-114.78	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.29	
		For 6" Overall Height Instead Of 4-5/8", Add	18.42	
26 05 36 00-1001	EA	24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	459.40	189.54
		For 60 Degree Bend, Deduct	-78.94	
		For 30 Degree Bend, Deduct	-142.09	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.14	
		For 6" Overall Height Instead Of 4-5/8", Add	22.97	
26 05 36 00-1002	EA	30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	523.03	222.50
		For 60 Degree Bend, Deduct	-87.30	
		For 30 Degree Bend, Deduct	-157.87	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.76	
		For 6" Overall Height Instead Of 4-5/8", Add	26.15	
26 05 36 00-1003	EA	36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	616.29	269.32
		For 60 Degree Bend, Deduct	-100.13	
		For 30 Degree Bend, Deduct	-181.84	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.18	
		For 6" Overall Height Instead Of 4-5/8", Add	30.81	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1004		90 Degree, 12" Radius Vertical Risers (26 05 36 00-0955)		
26 05 36 00-1005	EA	6" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	292.35	106.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.35	
		For 6" Overall Height Instead Of 4-5/8", Add	14.62	
26 05 36 00-1006	EA	9" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	323.92	121.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.24	
		For 6" Overall Height Instead Of 4-5/8", Add	16.20	
26 05 36 00-1007	EA	12" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	347.36	134.71
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.51	
		For 6" Overall Height Instead Of 4-5/8", Add	17.37	
26 05 36 00-1008	EA	18" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	402.26	165.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.47	
		For 6" Overall Height Instead Of 4-5/8", Add	20.11	
26 05 36 00-1009	EA	24" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	449.26	189.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.13	
		For 6" Overall Height Instead Of 4-5/8", Add	22.46	
26 05 36 00-1010	EA	30" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	495.11	213.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.73	
		For 6" Overall Height Instead Of 4-5/8", Add	24.76	
26 05 36 00-1011	EA	36" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	549.60	243.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.67	
		For 6" Overall Height Instead Of 4-5/8", Add	27.48	
26 05 36 00-1012		90 Degree, 24" Radius Vertical Risers (26 05 36 00-0955)		
26 05 36 00-1013	EA	6" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	309.39	111.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.67	
		For 6" Overall Height Instead Of 4-5/8", Add	15.47	
26 05 36 00-1014	EA	9" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	342.49	127.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.58	
		For 6" Overall Height Instead Of 4-5/8", Add	17.12	
26 05 36 00-1015	EA	12" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	369.32	142.18
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.08	
		For 6" Overall Height Instead Of 4-5/8", Add	18.47	
26 05 36 00-1016	EA	18" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	433.90	176.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.67	
		For 6" Overall Height Instead Of 4-5/8", Add	21.70	
26 05 36 00-1017	EA	24" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	489.34	204.89
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.86	
		For 6" Overall Height Instead Of 4-5/8", Add	24.47	
26 05 36 00-1018	EA	30" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	543.81	232.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.00	
		For 6" Overall Height Instead Of 4-5/8", Add	27.19	
26 05 36 00-1019	EA	36" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	615.57	269.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.11	
		For 6" Overall Height Instead Of 4-5/8", Add	30.78	
26 05 36 00-1020		90 Degree, 36" Radius Vertical Risers (26 05 36 00-0955)		
26 05 36 00-1021	EA	6" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	385.45	116.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.86	
		For 6" Overall Height Instead Of 4-5/8", Add	19.27	
26 05 36 00-1022	EA	9" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	420.28	134.71
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.81	
		For 6" Overall Height Instead Of 4-5/8", Add	21.01	
26 05 36 00-1023	EA	12" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	459.40	150.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.39	
		For 6" Overall Height Instead Of 4-5/8", Add	22.97	
26 05 36 00-1024	EA	18" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	532.59	189.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.46	
		For 6" Overall Height Instead Of 4-5/8", Add	26.63	
26 05 36 00-1025	EA	24" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	595.85	222.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.04	
		For 6" Overall Height Instead Of 4-5/8", Add	29.79	
26 05 36 00-1026	EA	30" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	668.30	255.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.50	
		For 6" Overall Height Instead Of 4-5/8", Add	33.42	
26 05 36 00-1027	EA	36" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	753.30	300.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.27	
		For 6" Overall Height Instead Of 4-5/8", Add	37.67	
26 05 36 00-1028		12" Radius Horizontal Tees (26 05 36 00-0955)		
26 05 36 00-1029	EA	6" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	474.03	204.89
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.33	
		For 6" Overall Height Instead Of 4-5/8", Add	23.70	
26 05 36 00-1030	EA	9" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	512.16	222.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.67	
		For 6" Overall Height Instead Of 4-5/8", Add	25.61	
26 05 36 00-1031	EA	12" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	531.04	232.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.73	
		For 6" Overall Height Instead Of 4-5/8", Add	26.55	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1032	EA		18" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	598.37 -38.51 29.92	255.98
26 05 36 00-1033	EA		24" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	662.75 -42.59 33.14	284.14
26 05 36 00-1034	EA		30" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	721.73 -47.06 36.09	301.32
26 05 36 00-1035	EA		36" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	831.59 -54.73 41.58	341.10
26 05 36 00-1036 24" Radius Horizontal Tees (26 05 36 00-0955)					
26 05 36 00-1037	EA		6" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	596.94 -41.15 29.85	222.50
26 05 36 00-1038	EA		9" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	645.60 -44.24 32.28	243.93
26 05 36 00-1039	EA		12" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	672.28 -45.90 33.61	255.98
26 05 36 00-1040	EA		18" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	741.01 -50.42 37.05	284.14
26 05 36 00-1041	EA		24" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	824.59 -55.79 41.23	319.98
26 05 36 00-1042	EA		30" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	888.11 -60.38 44.41	341.10
26 05 36 00-1043	EA		36" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,145.89 -81.75 57.29	394.11
26 05 36 00-1044 36" Radius Horizontal Tees (26 05 36 00-0955)					
26 05 36 00-1045	EA		6" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	726.03 -52.28 36.30	243.93
26 05 36 00-1046	EA		9" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	777.16 -55.27 38.86	269.32
26 05 36 00-1047	EA		12" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	832.31 -59.55 41.62	284.14
26 05 36 00-1048	EA		18" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	911.55 -64.49 45.58	319.98
26 05 36 00-1049	EA		24" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,026.16 -72.18 51.31	365.32
26 05 36 00-1050	EA		30" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,185.02 -85.66 59.25	394.11
26 05 36 00-1051	EA		36" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,362.08 -97.45 68.10	465.04
26 05 36 00-1052 12" Radius Vertical Tees (26 05 36 00-0955)					
26 05 36 00-1053	EA		6" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	613.74 -45.58 30.69	189.54
26 05 36 00-1054	EA		9" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	634.89 -47.07 31.74	197.00
26 05 36 00-1055	EA		12" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	650.11 -47.94 32.51	204.89
26 05 36 00-1056	EA		18" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	686.06 -50.06 34.30	222.50
26 05 36 00-1057	EA		24" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	728.86 -53.51 36.44	232.52
26 05 36 00-1058	EA		30" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	774.45 -56.11 38.72	255.98
26 05 36 00-1059	EA		36" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	832.31 -59.55 41.62	284.14

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 36 00-1060 24" Radius Vertical Tees (26 05 36 00-0955)					
26 05 36 00-1061	EA 6" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	845.76		204.89	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-67.50			
	For 6" Overall Height Instead Of 4-5/8", Add	42.29			
26 05 36 00-1062	EA 9" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	866.38		213.33	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-68.86			
	For 6" Overall Height Instead Of 4-5/8", Add	43.32			
26 05 36 00-1063	EA 12" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	888.23		222.50	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-70.28			
	For 6" Overall Height Instead Of 4-5/8", Add	44.41			
26 05 36 00-1064	EA 18" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	939.07		243.93	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-73.58			
	For 6" Overall Height Instead Of 4-5/8", Add	46.95			
26 05 36 00-1065	EA 24" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	972.27		255.98	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-75.90			
	For 6" Overall Height Instead Of 4-5/8", Add	48.61			
26 05 36 00-1066	EA 30" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,032.30		284.14	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-79.55			
	For 6" Overall Height Instead Of 4-5/8", Add	51.62			
26 05 36 00-1067	EA 36" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,141.97		319.98	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-87.53			
	For 6" Overall Height Instead Of 4-5/8", Add	57.10			
26 05 36 00-1068 36" Radius Vertical Tees (26 05 36 00-0955)					
26 05 36 00-1069	EA 6" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,330.28		222.50	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-114.49			
	For 6" Overall Height Instead Of 4-5/8", Add	66.51			
26 05 36 00-1070	EA 9" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,359.44		232.52	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-116.57			
	For 6" Overall Height Instead Of 4-5/8", Add	67.97			
26 05 36 00-1071	EA 12" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,390.81		243.93	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-118.76			
	For 6" Overall Height Instead Of 4-5/8", Add	69.54			
26 05 36 00-1072	EA 18" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,445.72		269.32	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-122.13			
	For 6" Overall Height Instead Of 4-5/8", Add	72.29			
26 05 36 00-1073	EA 24" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,482.89		284.14	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-124.61			
	For 6" Overall Height Instead Of 4-5/8", Add	74.14			
26 05 36 00-1074	EA 30" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,579.93		319.98	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-131.33			
	For 6" Overall Height Instead Of 4-5/8", Add	79.00			
26 05 36 00-1075	EA 36" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,667.88		365.32	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-136.35			
	For 6" Overall Height Instead Of 4-5/8", Add	83.39			
26 05 36 00-1076 12" Radius Horizontal Crosses (26 05 36 00-0955)					
26 05 36 00-1077	EA 6" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	611.42		255.98	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.81			
	For 6" Overall Height Instead Of 4-5/8", Add	30.57			
26 05 36 00-1078	EA 9" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	653.25		269.32	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.88			
	For 6" Overall Height Instead Of 4-5/8", Add	32.66			
26 05 36 00-1079	EA 12" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	680.14		284.14	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.33			
	For 6" Overall Height Instead Of 4-5/8", Add	34.01			
26 05 36 00-1080	EA 18" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	752.16		301.32	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.11			
	For 6" Overall Height Instead Of 4-5/8", Add	37.61			
26 05 36 00-1081	EA 24" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	827.25		341.10	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.30			
	For 6" Overall Height Instead Of 4-5/8", Add	41.36			
26 05 36 00-1082	EA 30" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	913.13		365.32	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-60.87			
	For 6" Overall Height Instead Of 4-5/8", Add	45.66			
26 05 36 00-1083	EA 36" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,037.20		394.11	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-70.88			
	For 6" Overall Height Instead Of 4-5/8", Add	51.86			
26 05 36 00-1084 24" Radius Horizontal Crosses (26 05 36 00-0955)					
26 05 36 00-1085	EA 6" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	827.96		284.14	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-59.11			
	For 6" Overall Height Instead Of 4-5/8", Add	41.40			
26 05 36 00-1086	EA 9" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	867.37		301.32	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-61.63			
	For 6" Overall Height Instead Of 4-5/8", Add	43.37			
26 05 36 00-1087	EA 12" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	909.37		319.98	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-64.27			
	For 6" Overall Height Instead Of 4-5/8", Add	45.47			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1088 EA 18" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	964.20 -67.99 48.21	341.10
26 05 36 00-1089 EA 24" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,087.20 -75.88 54.36	394.11
26 05 36 00-1090 EA 30" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,171.93 -81.64 58.60	426.64
26 05 36 00-1091 EA 36" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,294.69 -90.71 64.73	465.04
26 05 36 00-1092 36" Radius Horizontal Crosses (26 05 36 00-0955)		
26 05 36 00-1093 EA 6" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	950.67 -68.40 47.53	319.98
26 05 36 00-1094 EA 9" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,003.32 -71.90 50.17	341.10
26 05 36 00-1095 EA 12" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,069.64 -76.52 53.48	365.32
26 05 36 00-1096 EA 18" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,148.06 -81.97 57.40	394.11
26 05 36 00-1097 EA 24" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,383.82 -99.62 69.19	465.04
26 05 36 00-1098 EA 30" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,525.81 -109.99 76.29	511.11
26 05 36 00-1099 EA 36" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,698.91 -122.44 84.95	569.35
26 05 36 00-1100 12" Radius Vertical Crosses (26 05 36 00-0955)		
26 05 36 00-1101 EA 6" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	611.42 -39.81 30.57	255.98
26 05 36 00-1102 EA 9" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	653.40 -42.89 32.67	269.43
26 05 36 00-1103 EA 12" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	680.05 -44.33 34.00	284.14
26 05 36 00-1104 EA 18" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	752.35 -50.12 37.62	301.43
26 05 36 00-1105 EA 24" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	827.25 -54.30 41.36	341.10
26 05 36 00-1106 EA 30" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	913.41 -60.89 45.67	365.42
26 05 36 00-1107 EA 36" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,036.39 -70.84 51.82	393.58
26 05 36 00-1108 24" Radius Vertical Crosses (26 05 36 00-0955)		
26 05 36 00-1109 EA 6" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	827.96 -59.11 41.40	284.14
26 05 36 00-1110 EA 9" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	867.37 -61.63 43.37	301.32
26 05 36 00-1111 EA 12" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	909.37 -64.27 45.47	319.98
26 05 36 00-1112 EA 18" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	964.20 -67.99 48.21	341.10
26 05 36 00-1113 EA 24" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,087.20 -75.88 54.36	394.11
26 05 36 00-1114 EA 30" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,171.93 -81.64 58.60	426.64
26 05 36 00-1115 EA 36" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,294.69 -90.71 64.73	465.04

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 36 00-1116	36" Radius Vertical Crosses (26 05 36 00-0955)				
26 05 36 00-1117	EA 6" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,138.49 -87.18 56.92		319.98	
26 05 36 00-1118	EA 9" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,198.97 -91.47 59.95		341.10	
26 05 36 00-1119	EA 12" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,277.02 -97.26 63.85		365.32	
26 05 36 00-1120	EA 18" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,369.14 -104.08 68.46		394.11	
26 05 36 00-1121	EA 24" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,657.72 -127.01 82.89		465.04	
26 05 36 00-1122	EA 30" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,829.05 -140.31 91.45		511.11	
26 05 36 00-1123	EA 36" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	2,036.40 -156.19 101.82		569.35	
26 05 36 00-1124	9" Rung Tray Fittings (26 05 36 00-0744)				
26 05 36 00-1125	90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1124)				
26 05 36 00-1126	EA 6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	249.81 -16.07 12.49		106.98	
26 05 36 00-1127	EA 9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	276.46 -17.49 13.82		121.81	
26 05 36 00-1128	EA 12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	311.40 -19.92 15.57		134.71	
26 05 36 00-1129	EA 18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	373.00 -23.54 18.65		165.11	
26 05 36 00-1130	EA 24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	437.30 -27.93 21.87		189.54	
26 05 36 00-1131	EA 30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	484.15 -30.64 24.21		213.33	
26 05 36 00-1132	EA 36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	562.15 -35.90 28.11		243.82	
26 05 36 00-1133	90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1124)				
26 05 36 00-1134	EA 6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	312.25 -21.95 15.61		111.25	
26 05 36 00-1135	EA 9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	345.40 -23.88 17.27		127.88	
26 05 36 00-1136	EA 12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	375.61 -25.71 18.78		142.18	
26 05 36 00-1137	EA 18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	444.68 -29.75 22.23		176.63	
26 05 36 00-1138	EA 24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	506.28 -33.56 25.31		204.89	
26 05 36 00-1139	EA 30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	567.82 -37.40 28.39		232.52	
26 05 36 00-1140	EA 36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	651.80 -42.73 32.59		269.32	
26 05 36 00-1141	90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1124)				
26 05 36 00-1142	EA 6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	333.28 -23.64 16.66		116.26	
26 05 36 00-1143	EA 9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	367.37 -25.52 18.37		134.61	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1144	EA		12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	410.49	150.61
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.50	
			For 6" Overall Height Instead Of 4-5/8", Add	20.52	
26 05 36 00-1145	EA		18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	495.27	189.54
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.73	
			For 6" Overall Height Instead Of 4-5/8", Add	24.76	
26 05 36 00-1146	EA		24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	573.75	222.50
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.83	
			For 6" Overall Height Instead Of 4-5/8", Add	28.69	
26 05 36 00-1147	EA		30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	649.46	255.98
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.61	
			For 6" Overall Height Instead Of 4-5/8", Add	32.47	
26 05 36 00-1148	EA		36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	756.65	300.79
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.60	
			For 6" Overall Height Instead Of 4-5/8", Add	37.83	
26 05 36 00-1149			45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1124)		
26 05 36 00-1150	EA		6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	176.29	77.54
			For 60 Degree Bend, Deduct	-28.46	
			For 30 Degree Bend, Deduct	-51.74	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.17	
			For 6" Overall Height Instead Of 4-5/8", Add	8.81	
26 05 36 00-1151	EA		9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	203.85	93.00
			For 60 Degree Bend, Deduct	-31.63	
			For 30 Degree Bend, Deduct	-57.89	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.64	
			For 6" Overall Height Instead Of 4-5/8", Add	10.19	
26 05 36 00-1152	EA		12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	228.49	106.66
			For 60 Degree Bend, Deduct	-34.51	
			For 30 Degree Bend, Deduct	-63.45	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.96	
			For 6" Overall Height Instead Of 4-5/8", Add	11.42	
26 05 36 00-1153	EA		18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	284.42	134.82
			For 60 Degree Bend, Deduct	-42.19	
			For 30 Degree Bend, Deduct	-77.81	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.21	
			For 6" Overall Height Instead Of 4-5/8", Add	14.22	
26 05 36 00-1154	EA		24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	349.45	165.11
			For 60 Degree Bend, Deduct	-52.03	
			For 30 Degree Bend, Deduct	-95.88	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.19	
			For 6" Overall Height Instead Of 4-5/8", Add	17.47	
26 05 36 00-1155	EA		30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	401.07	189.54
			For 60 Degree Bend, Deduct	-59.69	
			For 30 Degree Bend, Deduct	-110.01	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.31	
			For 6" Overall Height Instead Of 4-5/8", Add	20.05	
26 05 36 00-1156	EA		36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	459.62	222.50
			For 60 Degree Bend, Deduct	-66.38	
			For 30 Degree Bend, Deduct	-122.99	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.42	
			For 6" Overall Height Instead Of 4-5/8", Add	22.98	
26 05 36 00-1157			45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1124)		
26 05 36 00-1158	EA		6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	196.65	79.99
			For 60 Degree Bend, Deduct	-34.25	
			For 30 Degree Bend, Deduct	-61.52	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.00	
			For 6" Overall Height Instead Of 4-5/8", Add	9.83	
26 05 36 00-1159	EA		9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	231.38	96.42
			For 60 Degree Bend, Deduct	-39.39	
			For 30 Degree Bend, Deduct	-71.00	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.10	
			For 6" Overall Height Instead Of 4-5/8", Add	11.57	
26 05 36 00-1160	EA		12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	258.03	111.35
			For 60 Degree Bend, Deduct	-42.47	
			For 30 Degree Bend, Deduct	-76.97	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.52	
			For 6" Overall Height Instead Of 4-5/8", Add	12.90	
26 05 36 00-1161	EA		18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	314.93	142.18
			For 60 Degree Bend, Deduct	-49.41	
			For 30 Degree Bend, Deduct	-90.25	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.64	
			For 6" Overall Height Instead Of 4-5/8", Add	15.75	
26 05 36 00-1162	EA		24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	384.90	176.63
			For 60 Degree Bend, Deduct	-59.32	
			For 30 Degree Bend, Deduct	-108.68	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.77	
			For 6" Overall Height Instead Of 4-5/8", Add	19.25	
26 05 36 00-1163	EA		30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	450.12	204.89
			For 60 Degree Bend, Deduct	-70.01	
			For 30 Degree Bend, Deduct	-128.07	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.94	
			For 6" Overall Height Instead Of 4-5/8", Add	22.51	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1164	EA	36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	520.61	243.93
		For 60 Degree Bend, Deduct	-78.31	
		For 30 Degree Bend, Deduct	-144.07	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.74	
		For 6" Overall Height Instead Of 4-5/8", Add	26.03	
26 05 36 00-1165 45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1124)				
26 05 36 00-1166	EA	6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	222.66	82.56
		For 60 Degree Bend, Deduct	-41.85	
		For 30 Degree Bend, Deduct	-74.33	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.39	
		For 6" Overall Height Instead Of 4-5/8", Add	11.13	
26 05 36 00-1167	EA	9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	254.03	100.26
		For 60 Degree Bend, Deduct	-45.40	
		For 30 Degree Bend, Deduct	-81.24	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.05	
		For 6" Overall Height Instead Of 4-5/8", Add	12.70	
26 05 36 00-1168	EA	12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	282.69	116.36
		For 60 Degree Bend, Deduct	-48.68	
		For 30 Degree Bend, Deduct	-87.60	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.57	
		For 6" Overall Height Instead Of 4-5/8", Add	14.13	
26 05 36 00-1169	EA	18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	348.90	150.61
		For 60 Degree Bend, Deduct	-57.39	
		For 30 Degree Bend, Deduct	-104.02	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.34	
		For 6" Overall Height Instead Of 4-5/8", Add	17.45	
26 05 36 00-1170	EA	24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	435.49	189.54
		For 60 Degree Bend, Deduct	-71.05	
		For 30 Degree Bend, Deduct	-128.94	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.75	
		For 6" Overall Height Instead Of 4-5/8", Add	21.77	
26 05 36 00-1171	EA	30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	497.67	222.50
		For 60 Degree Bend, Deduct	-78.93	
		For 30 Degree Bend, Deduct	-143.92	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.22	
		For 6" Overall Height Instead Of 4-5/8", Add	24.88	
26 05 36 00-1172	EA	36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	588.40	269.32
		For 60 Degree Bend, Deduct	-90.92	
		For 30 Degree Bend, Deduct	-166.50	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.39	
		For 6" Overall Height Instead Of 4-5/8", Add	29.42	
26 05 36 00-1173 90 Degree, 12" Radius Vertical Risers (26 05 36 00-1124)				
26 05 36 00-1174	EA	6" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	277.40	106.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.85	
		For 6" Overall Height Instead Of 4-5/8", Add	13.87	
26 05 36 00-1175	EA	9" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	308.16	121.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.66	
		For 6" Overall Height Instead Of 4-5/8", Add	15.41	
26 05 36 00-1176	EA	12" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	331.33	134.71
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.91	
		For 6" Overall Height Instead Of 4-5/8", Add	16.57	
26 05 36 00-1177	EA	18" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	385.68	165.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.81	
		For 6" Overall Height Instead Of 4-5/8", Add	19.28	
26 05 36 00-1178	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	431.87	189.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.39	
		For 6" Overall Height Instead Of 4-5/8", Add	21.59	
26 05 36 00-1179	EA	30" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	476.90	213.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.91	
		For 6" Overall Height Instead Of 4-5/8", Add	23.85	
26 05 36 00-1180	EA	36" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	530.85	243.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.79	
		For 6" Overall Height Instead Of 4-5/8", Add	26.54	
26 05 36 00-1181 90 Degree, 24" Radius Vertical Risers (26 05 36 00-1124)				
26 05 36 00-1182	EA	6" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	293.23	111.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.05	
		For 6" Overall Height Instead Of 4-5/8", Add	14.66	
26 05 36 00-1183	EA	9" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	325.64	127.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.90	
		For 6" Overall Height Instead Of 4-5/8", Add	16.28	
26 05 36 00-1184	EA	12" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	352.06	142.18
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.35	
		For 6" Overall Height Instead Of 4-5/8", Add	17.60	
26 05 36 00-1185	EA	18" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	415.69	176.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.85	
		For 6" Overall Height Instead Of 4-5/8", Add	20.78	
26 05 36 00-1186	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	470.05	204.89
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.93	
		For 6" Overall Height Instead Of 4-5/8", Add	23.50	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1187	EA	30" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	523.43 -32.96 26.17	232.52
26 05 36 00-1188	EA	36" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	593.83 -36.94 29.69	269.32
26 05 36 00-1189		90 Degree, 36" Radius Vertical Risers (26 05 36 00-1124)		
26 05 36 00-1190	EA	6" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	360.45 -26.36 18.02	116.26
26 05 36 00-1191	EA	9" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	394.73 -28.25 19.74	134.71
26 05 36 00-1192	EA	12" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	432.23 -30.67 21.61	150.61
26 05 36 00-1193	EA	18" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	504.33 -34.64 25.22	189.54
26 05 36 00-1194	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	566.50 -38.11 28.33	222.50
26 05 36 00-1195	EA	30" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	636.78 -42.35 31.84	255.98
26 05 36 00-1196	EA	36" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	720.42 -46.98 36.02	300.79
26 05 36 00-1197		12" Radius Horizontal Tees (26 05 36 00-1124)		
26 05 36 00-1198	EA	6" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	451.93 -28.12 22.60	204.89
26 05 36 00-1199	EA	9" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	488.61 -30.32 24.43	222.50
26 05 36 00-1200	EA	12" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	507.13 -31.33 25.36	232.52
26 05 36 00-1201	EA	18" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	569.75 -35.64 28.49	255.98
26 05 36 00-1202	EA	24" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	631.23 -39.44 31.56	284.14
26 05 36 00-1203	EA	30" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	685.13 -43.40 34.26	301.32
26 05 36 00-1204	EA	36" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	787.75 -50.35 39.39	341.10
26 05 36 00-1205		24" Radius Horizontal Tees (26 05 36 00-1124)		
26 05 36 00-1206	EA	6" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	559.26 -37.38 27.96	222.50
26 05 36 00-1207	EA	9" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	605.75 -40.25 30.29	243.93
26 05 36 00-1208	EA	12" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	631.34 -41.80 31.57	255.98
26 05 36 00-1209	EA	18" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	696.45 -45.96 34.82	284.14
26 05 36 00-1210	EA	24" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	776.04 -50.94 38.80	319.98
26 05 36 00-1211	EA	30" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	834.85 -55.06 41.74	341.10
26 05 36 00-1212	EA	36" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,064.37 -73.60 53.22	394.11
26 05 36 00-1213		36" Radius Horizontal Tees (26 05 36 00-1124)		
26 05 36 00-1214	EA	6" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	672.77 -46.95 33.64	243.93

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1215	EA	9" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	722.45 -49.80 36.12	269.32
26 05 36 00-1216	EA	12" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	772.53 -53.57 38.63	284.14
26 05 36 00-1217	EA	18" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	848.50 -58.19 42.43	319.98
26 05 36 00-1218	EA	24" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	956.60 -65.22 47.83	365.32
26 05 36 00-1219	EA	30" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,096.98 -76.86 54.85	394.11
26 05 36 00-1220	EA	36" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,264.26 -87.67 63.21	465.04
26 05 36 00-1221 12" Radius Vertical Tees (26 05 36 00-1124)				
26 05 36 00-1222	EA	6" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	564.11 -40.61 26.21	189.54
26 05 36 00-1223	EA	9" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	583.80 -41.96 29.19	197.00
26 05 36 00-1224	EA	12" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	598.67 -42.80 29.93	204.89
26 05 36 00-1225	EA	18" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	633.53 -44.81 31.68	222.50
26 05 36 00-1226	EA	24" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	671.98 -47.82 33.60	232.52
26 05 36 00-1227	EA	30" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	716.48 -50.32 35.82	255.98
26 05 36 00-1228	EA	36" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	772.53 -53.57 38.63	284.14
26 05 36 00-1229 24" Radius Vertical Tees (26 05 36 00-1124)				
26 05 36 00-1230	EA	6" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	761.70 -59.10 38.09	204.89
26 05 36 00-1231	EA	9" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	781.24 -60.35 39.06	213.33
26 05 36 00-1232	EA	12" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	802.00 -61.66 40.10	222.50
26 05 36 00-1233	EA	18" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	850.30 -64.71 42.52	243.93
26 05 36 00-1234	EA	24" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	881.33 -66.80 44.07	255.98
26 05 36 00-1235	EA	30" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	939.19 -70.24 46.96	284.14
26 05 36 00-1236	EA	36" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,040.53 -77.39 52.03	319.98
26 05 36 00-1237 36" Radius Vertical Tees (26 05 36 00-1124)				
26 05 36 00-1238	EA	6" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,170.37 -98.49 58.52	222.50
26 05 36 00-1239	EA	9" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,197.46 -100.37 59.87	232.52
26 05 36 00-1240	EA	12" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,226.75 -102.35 61.34	243.93
26 05 36 00-1241	EA	18" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,279.58 -105.51 63.98	269.32
26 05 36 00-1242	EA	24" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,314.68 -107.79 65.73	284.14



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1243	EA	30" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,405.49 -113.88 70.27	319.98
26 05 36 00-1244	EA	36" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,491.36 -118.70 74.57	365.32
26 05 36 00-1245 12" Radius Horizontal Crosses (26 05 36 00-1124)				
26 05 36 00-1246	EA	6" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	580.62 -36.73 29.03	255.98
26 05 36 00-1247	EA	9" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	619.19 -39.47 30.96	269.32
26 05 36 00-1248	EA	12" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	645.72 -40.89 32.29	284.14
26 05 36 00-1249	EA	18" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	710.49 -45.94 35.52	301.32
26 05 36 00-1250	EA	24" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	784.13 -49.99 39.21	341.10
26 05 36 00-1251	EA	30" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	862.40 -55.80 43.12	365.32
26 05 36 00-1252	EA	36" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	973.80 -64.54 48.69	394.11
26 05 36 00-1253 24" Radius Horizontal Crosses (26 05 36 00-1124)				
26 05 36 00-1254	EA	6" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	768.91 -53.21 38.45	284.14
26 05 36 00-1255	EA	9" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	806.51 -55.54 40.33	301.32
26 05 36 00-1256	EA	12" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	846.69 -58.00 42.33	319.98
26 05 36 00-1257	EA	18" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	898.26 -61.40 44.91	341.10
26 05 36 00-1258	EA	24" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,015.46 -68.71 50.77	394.11
26 05 36 00-1259	EA	30" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,095.12 -73.96 54.76	426.64
26 05 36 00-1260	EA	36" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,208.10 -82.05 60.41	465.04
26 05 36 00-1261 36" Radius Horizontal Crosses (26 05 36 00-1124)				
26 05 36 00-1262	EA	6" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	881.11 -61.45 44.06	319.98
26 05 36 00-1263	EA	9" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	930.86 -64.66 46.54	341.10
26 05 36 00-1264	EA	12" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	992.83 -68.84 49.64	365.32
26 05 36 00-1265	EA	18" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,066.18 -73.78 53.31	394.11
26 05 36 00-1266	EA	24" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,282.38 -89.48 64.12	465.04
26 05 36 00-1267	EA	30" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,413.49 -98.75 70.67	511.11
26 05 36 00-1268	EA	36" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,573.91 -109.94 78.70	569.35
26 05 36 00-1269 12" Radius Vertical Crosses (26 05 36 00-1124)				
26 05 36 00-1270	EA	6" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	580.62 -36.73 29.03	255.98

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1271	EA	9" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	619.19 -39.47 30.96	269.32
26 05 36 00-1272	EA	12" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	645.72 -40.89 32.29	284.14
26 05 36 00-1273	EA	18" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	710.49 -45.94 35.52	301.32
26 05 36 00-1274	EA	24" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	784.13 -49.99 39.21	341.10
26 05 36 00-1275	EA	30" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	862.40 -55.80 43.12	365.32
26 05 36 00-1276	EA	36" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	972.19 -64.46 48.61	393.05
26 05 36 00-1277 24" Radius Vertical Crosses (26 05 36 00-1124)				
26 05 36 00-1278	EA	6" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	768.91 -53.21 36.45	284.14
26 05 36 00-1279	EA	9" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	806.51 -55.54 40.33	301.32
26 05 36 00-1280	EA	12" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	846.69 -58.00 42.33	319.98
26 05 36 00-1281	EA	18" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	898.26 -61.40 44.91	341.10
26 05 36 00-1282	EA	24" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,015.46 -68.71 50.77	394.11
26 05 36 00-1283	EA	30" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,095.12 -73.96 54.76	426.64
26 05 36 00-1284	EA	36" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,208.10 -82.05 60.41	465.04
26 05 36 00-1285 36" Radius Vertical Crosses (26 05 36 00-1124)				
26 05 36 00-1286	EA	6" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,037.63 -77.10 51.88	319.98
26 05 36 00-1287	EA	9" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,093.90 -80.96 54.70	341.10
26 05 36 00-1288	EA	12" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,165.65 -86.13 58.28	365.32
26 05 36 00-1289	EA	18" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,250.42 -92.20 62.52	394.11
26 05 36 00-1290	EA	24" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,510.63 -112.31 75.53	465.04
26 05 36 00-1291	EA	30" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,666.20 -124.02 83.31	511.11
26 05 36 00-1292	EA	36" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,855.15 -138.07 92.76	569.35
26 05 36 00-1293 12" Rung Tray Fittings (26 05 36 00-0744)				
26 05 36 00-1294 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1293)				
26 05 36 00-1295	EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	244.80 -15.57 12.24	106.98
26 05 36 00-1296	EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	271.32 -16.98 13.57	121.81
26 05 36 00-1297	EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	305.32 -19.31 15.27	134.71
26 05 36 00-1298	EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	366.15 -22.86 18.31	165.11



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1299	EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	428.81 -27.08 21.44	189.54
26 05 36 00-1300	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	475.14 -29.74 23.76	213.33
26 05 36 00-1301	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	551.25 -34.81 27.56	243.82
26 05 36 00-1302		90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1293)		
26 05 36 00-1303	EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	303.37 -21.07 15.17	111.25
26 05 36 00-1304	EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	336.14 -22.96 16.81	127.88
26 05 36 00-1305	EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	365.91 -24.74 18.30	142.18
26 05 36 00-1306	EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	434.15 -28.70 21.71	176.63
26 05 36 00-1307	EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	494.74 -32.40 24.74	204.89
26 05 36 00-1308	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	555.20 -36.14 27.76	232.52
26 05 36 00-1309	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	637.60 -41.31 31.88	269.32
26 05 36 00-1310		90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1293)		
26 05 36 00-1311	EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	323.51 -22.66 16.18	116.26
26 05 36 00-1312	EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	357.35 -24.52 17.87	134.61
26 05 36 00-1313	EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	399.33 -27.38 19.97	150.61
26 05 36 00-1314	EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	482.72 -32.48 24.14	189.54
26 05 36 00-1315	EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	559.55 -37.41 27.98	222.50
26 05 36 00-1316	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	633.86 -42.05 31.69	255.98
26 05 36 00-1317	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	738.77 -48.82 36.94	300.79
26 05 36 00-1318		45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1293)		
26 05 36 00-1319	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	172.99 -27.37 -49.93 -10.84 8.65	77.54
26 05 36 00-1320	EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	200.43 -30.51 -56.01 -12.30 10.02	93.00
26 05 36 00-1321	EA	12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	224.94 -33.34 -61.50 -13.61 11.25	106.66
26 05 36 00-1322	EA	18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	280.24 -40.81 -75.51 -16.79 14.01	134.82
26 05 36 00-1323	EA	24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	344.25 -50.31 -93.02 -20.67 17.21	165.11

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1324 EA 30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	395.11	189.54
For 60 Degree Bend, Deduct	-57.72	
For 30 Degree Bend, Deduct	-106.74	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.71	
For 6" Overall Height Instead Of 4-5/8", Add	19.76	
26 05 36 00-1325 EA 36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	453.41	222.50
For 60 Degree Bend, Deduct	-64.33	
For 30 Degree Bend, Deduct	-119.57	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.80	
For 6" Overall Height Instead Of 4-5/8", Add	22.67	
26 05 36 00-1326 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1293)		
26 05 36 00-1327 EA 6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	192.21	79.99
For 60 Degree Bend, Deduct	-32.78	
For 30 Degree Bend, Deduct	-59.08	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.56	
For 6" Overall Height Instead Of 4-5/8", Add	9.61	
26 05 36 00-1328 EA 9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	226.43	96.42
For 60 Degree Bend, Deduct	-37.75	
For 30 Degree Bend, Deduct	-68.28	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.61	
For 6" Overall Height Instead Of 4-5/8", Add	11.32	
26 05 36 00-1329 EA 12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	252.96	111.35
For 60 Degree Bend, Deduct	-40.80	
For 30 Degree Bend, Deduct	-74.18	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.02	
For 6" Overall Height Instead Of 4-5/8", Add	12.65	
26 05 36 00-1330 EA 18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	309.47	142.18
For 60 Degree Bend, Deduct	-47.61	
For 30 Degree Bend, Deduct	-87.25	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.10	
For 6" Overall Height Instead Of 4-5/8", Add	15.47	
26 05 36 00-1331 EA 24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	378.56	176.63
For 60 Degree Bend, Deduct	-57.23	
For 30 Degree Bend, Deduct	-105.20	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.14	
For 6" Overall Height Instead Of 4-5/8", Add	18.93	
26 05 36 00-1332 EA 30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	442.51	204.89
For 60 Degree Bend, Deduct	-67.50	
For 30 Degree Bend, Deduct	-123.88	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.18	
For 6" Overall Height Instead Of 4-5/8", Add	22.13	
26 05 36 00-1333 EA 36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	512.62	243.93
For 60 Degree Bend, Deduct	-75.67	
For 30 Degree Bend, Deduct	-139.67	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.94	
For 6" Overall Height Instead Of 4-5/8", Add	25.63	
26 05 36 00-1334 45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1293)		
26 05 36 00-1335 EA 6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	216.70	82.56
For 60 Degree Bend, Deduct	-39.88	
For 30 Degree Bend, Deduct	-71.05	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.79	
For 6" Overall Height Instead Of 4-5/8", Add	10.84	
26 05 36 00-1336 EA 9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	247.95	100.26
For 60 Degree Bend, Deduct	-43.40	
For 30 Degree Bend, Deduct	-77.89	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.44	
For 6" Overall Height Instead Of 4-5/8", Add	12.40	
26 05 36 00-1337 EA 12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	276.48	116.36
For 60 Degree Bend, Deduct	-46.63	
For 30 Degree Bend, Deduct	-84.19	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.95	
For 6" Overall Height Instead Of 4-5/8", Add	13.82	
26 05 36 00-1338 EA 18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	342.05	150.61
For 60 Degree Bend, Deduct	-55.13	
For 30 Degree Bend, Deduct	-100.25	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.65	
For 6" Overall Height Instead Of 4-5/8", Add	17.10	
26 05 36 00-1339 EA 24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	427.12	189.54
For 60 Degree Bend, Deduct	-68.29	
For 30 Degree Bend, Deduct	-124.34	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.92	
For 6" Overall Height Instead Of 4-5/8", Add	21.36	
26 05 36 00-1340 EA 30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	488.79	222.50
For 60 Degree Bend, Deduct	-76.00	
For 30 Degree Bend, Deduct	-139.03	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.34	
For 6" Overall Height Instead Of 4-5/8", Add	24.44	
26 05 36 00-1341 EA 36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	578.63	269.32
For 60 Degree Bend, Deduct	-87.70	
For 30 Degree Bend, Deduct	-161.13	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.42	
For 6" Overall Height Instead Of 4-5/8", Add	28.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1342 90 Degree, 12" Radius Vertical Risers (26 05 36 00-1293)		
26 05 36 00-1343 EA 6" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	267.44 -17.86 13.37	106.66
26 05 36 00-1344 EA 9" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	297.65 -19.61 14.88	121.81
26 05 36 00-1345 EA 12" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	320.64 -20.64 16.03	134.71
26 05 36 00-1346 EA 18" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	374.63 -23.70 18.73	165.11
26 05 36 00-1347 EA 24" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	420.27 -26.23 21.01	189.54
26 05 36 00-1348 EA 30" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	464.76 -28.70 23.24	213.33
26 05 36 00-1349 EA 36" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	518.36 -31.54 25.92	243.50
26 05 36 00-1350 90 Degree, 24" Radius Vertical Risers (26 05 36 00-1293)		
26 05 36 00-1351 EA 6" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	282.45 -18.97 14.12	111.25
26 05 36 00-1352 EA 9" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	314.41 -20.77 15.72	127.99
26 05 36 00-1353 EA 12" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	340.56 -22.20 17.03	142.18
26 05 36 00-1354 EA 18" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	403.55 -25.64 20.18	176.63
26 05 36 00-1355 EA 24" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	457.19 -28.65 22.86	204.89
26 05 36 00-1356 EA 30" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	509.85 -31.61 25.49	232.52
26 05 36 00-1357 EA 36" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	579.34 -35.49 28.97	269.32
26 05 36 00-1358 90 Degree, 36" Radius Vertical Risers (26 05 36 00-1293)		
26 05 36 00-1359 EA 6" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	343.78 -24.69 17.19	116.26
26 05 36 00-1360 EA 9" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	377.70 -26.55 18.89	134.71
26 05 36 00-1361 EA 12" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	414.12 -28.86 20.71	150.61
26 05 36 00-1362 EA 18" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	485.49 -32.75 24.27	189.54
26 05 36 00-1363 EA 24" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	546.94 -36.15 27.35	222.50
26 05 36 00-1364 EA 30" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	615.76 -40.24 30.79	255.98
26 05 36 00-1365 EA 36" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	698.50 -44.79 34.93	300.79
26 05 36 00-1366 12" Radius Horizontal Tees (26 05 36 00-1293)		
26 05 36 00-1367 EA 6" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	440.88 -27.02 22.04	204.89
26 05 36 00-1368 EA 9" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	476.83 -29.14 23.84	222.50
26 05 36 00-1369 EA 12" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	495.17 -30.14 24.76	232.52

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1370 EA 18" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	555.44 -34.21 27.77	255.98
26 05 36 00-1371 EA 24" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	615.47 -37.87 30.77	284.14
26 05 36 00-1372 EA 30" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	666.84 -41.58 33.34	301.32
26 05 36 00-1373 EA 36" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	765.83 -48.16 38.29	341.10
26 05 36 00-1374 24" Radius Horizontal Tees (26 05 36 00-1293)		
26 05 36 00-1375 EA 6" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	540.42 -35.50 27.02	222.50
26 05 36 00-1376 EA 9" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	585.82 -38.26 29.29	243.93
26 05 36 00-1377 EA 12" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	610.87 -39.76 30.54	255.98
26 05 36 00-1378 EA 18" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	674.17 -43.74 33.71	284.14
26 05 36 00-1379 EA 24" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	751.77 -48.51 37.59	319.98
26 05 36 00-1380 EA 30" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	808.22 -52.39 40.41	341.10
26 05 36 00-1381 EA 36" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,023.61 -69.52 51.18	394.11
26 05 36 00-1382 36" Radius Horizontal Tees (26 05 36 00-1293)		
26 05 36 00-1383 EA 6" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	646.14 -44.29 32.31	243.93
26 05 36 00-1384 EA 9" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	695.10 -47.06 34.76	269.32
26 05 36 00-1385 EA 12" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	742.64 -50.58 37.13	284.14
26 05 36 00-1386 EA 18" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	816.98 -55.03 40.85	319.98
26 05 36 00-1387 EA 24" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	921.82 -61.74 46.09	365.32
26 05 36 00-1388 EA 30" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,052.96 -72.46 52.65	394.11
26 05 36 00-1389 EA 36" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,215.35 -82.78 60.77	465.04
26 05 36 00-1390 12" Radius Vertical Tees (26 05 36 00-1293)		
26 05 36 00-1391 EA 6" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	539.29 -38.13 26.96	189.54
26 05 36 00-1392 EA 9" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	558.26 -39.41 27.91	197.00
26 05 36 00-1393 EA 12" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	572.94 -40.22 28.65	204.89
26 05 36 00-1394 EA 18" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	607.26 -42.18 30.36	222.50
26 05 36 00-1395 EA 24" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	643.54 -44.98 32.18	232.52
26 05 36 00-1396 EA 30" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	687.50 -47.42 34.38	255.98
26 05 36 00-1397 EA 36" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	742.64 -50.58 37.13	284.14



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1398 24" Radius Vertical Tees (26 05 36 00-1293)		
26 05 36 00-1399 EA 6" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	719.68	204.89
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.90	
For 6" Overall Height Instead Of 4-5/8", Add	35.98	
26 05 36 00-1400 EA 9" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	738.67	213.33
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.09	
For 6" Overall Height Instead Of 4-5/8", Add	36.93	
26 05 36 00-1401 EA 12" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	758.89	222.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.35	
For 6" Overall Height Instead Of 4-5/8", Add	37.94	
26 05 36 00-1402 EA 18" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	805.92	243.93
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-60.27	
For 6" Overall Height Instead Of 4-5/8", Add	40.30	
26 05 36 00-1403 EA 24" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	835.86	255.98
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-62.25	
For 6" Overall Height Instead Of 4-5/8", Add	41.79	
26 05 36 00-1404 EA 30" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	892.63	284.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-65.58	
For 6" Overall Height Instead Of 4-5/8", Add	44.63	
26 05 36 00-1405 EA 36" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	989.80	319.98
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-72.32	
For 6" Overall Height Instead Of 4-5/8", Add	49.49	
26 05 36 00-1406 36" Radius Vertical Tees (26 05 36 00-1293)		
26 05 36 00-1407 EA 6" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,090.42	222.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-90.50	
For 6" Overall Height Instead Of 4-5/8", Add	54.52	
26 05 36 00-1408 EA 9" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,116.47	232.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-92.27	
For 6" Overall Height Instead Of 4-5/8", Add	55.82	
26 05 36 00-1409 EA 12" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,144.73	243.93
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-94.15	
For 6" Overall Height Instead Of 4-5/8", Add	57.24	
26 05 36 00-1410 EA 18" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,196.52	269.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-97.21	
For 6" Overall Height Instead Of 4-5/8", Add	59.83	
26 05 36 00-1411 EA 24" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,230.58	284.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-99.38	
For 6" Overall Height Instead Of 4-5/8", Add	61.53	
26 05 36 00-1412 EA 30" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,318.27	319.98
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-105.16	
For 6" Overall Height Instead Of 4-5/8", Add	65.91	
26 05 36 00-1413 EA 36" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,403.11	365.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-109.87	
For 6" Overall Height Instead Of 4-5/8", Add	70.16	
26 05 36 00-1414 12" Radius Horizontal Crosses (26 05 36 00-1293)		
26 05 36 00-1415 EA 6" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	565.22	255.98
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.19	
For 6" Overall Height Instead Of 4-5/8", Add	28.26	
26 05 36 00-1416 EA 9" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	602.16	269.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.77	
For 6" Overall Height Instead Of 4-5/8", Add	30.11	
26 05 36 00-1417 EA 12" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	628.51	284.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.17	
For 6" Overall Height Instead Of 4-5/8", Add	31.43	
26 05 36 00-1418 EA 18" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	689.66	301.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.86	
For 6" Overall Height Instead Of 4-5/8", Add	34.48	
26 05 36 00-1419 EA 24" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	762.57	341.10
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.83	
For 6" Overall Height Instead Of 4-5/8", Add	38.13	
26 05 36 00-1420 EA 30" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	837.04	365.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-53.26	
For 6" Overall Height Instead Of 4-5/8", Add	41.85	
26 05 36 00-1421 EA 36" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	942.09	394.11
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-61.37	
For 6" Overall Height Instead Of 4-5/8", Add	47.10	
26 05 36 00-1422 24" Radius Horizontal Crosses (26 05 36 00-1293)		
26 05 36 00-1423 EA 6" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	739.38	284.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.26	
For 6" Overall Height Instead Of 4-5/8", Add	36.97	
26 05 36 00-1424 EA 9" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	776.07	301.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.50	
For 6" Overall Height Instead Of 4-5/8", Add	38.80	
26 05 36 00-1425 EA 12" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	815.35	319.98
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.87	
For 6" Overall Height Instead Of 4-5/8", Add	40.77	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1426 EA 18" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add EA 24" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	865.29 -58.10 43.26 979.59 -65.12 48.98	341.10
26 05 36 00-1428 EA 30" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,056.72 -70.12 52.84	426.64
26 05 36 00-1429 EA 36" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,164.81 -77.72 58.24	465.04
26 05 36 00-1430 36" Radius Horizontal Crosses (26 05 36 00-1293)		
26 05 36 00-1431 EA 6" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add EA 9" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	846.33 -57.97 42.32 894.63 -61.04 44.73	319.98
26 05 36 00-1433 EA 12" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	954.43 -65.00 47.72	365.32
26 05 36 00-1434 EA 18" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add EA 24" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,025.24 -69.69 51.26 1,231.65 -84.41 61.58	394.11
26 05 36 00-1435 EA 30" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add EA 36" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,357.33 -93.14 67.87 1,511.42 -103.70 75.57	511.11
26 05 36 00-1437 EA 36" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,511.42 -103.70 75.57	569.35
26 05 36 00-1438 12" Radius Vertical Crosses (26 05 36 00-1293)		
26 05 36 00-1439 EA 6" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add EA 9" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	565.22 -35.19 28.26 602.31 -37.78 30.12	255.98
26 05 36 00-1441 EA 12" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add EA 18" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	628.42 -39.17 31.42 689.85 -43.87 34.49	284.14
26 05 36 00-1443 EA 24" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add EA 30" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	762.57 -47.83 38.13 837.32 -53.28 41.87	341.10
26 05 36 00-1444 EA 36" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	941.28 -61.33 47.06	365.42
26 05 36 00-1445 EA 36" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	941.28 -61.33 47.06	393.58
26 05 36 00-1446 24" Radius Vertical Crosses (26 05 36 00-1293)		
26 05 36 00-1447 EA 6" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add EA 9" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	739.38 -50.26 36.97 776.07 -52.50 38.80	284.14
26 05 36 00-1448 EA 12" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add EA 18" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	815.35 -54.87 40.77 865.29 -58.10 43.26	319.98
26 05 36 00-1450 EA 24" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add EA 30" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	979.59 -65.12 48.98 1,056.72 -70.12 52.84	394.11
26 05 36 00-1452 EA 36" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,056.72 -70.12 52.84	426.64
26 05 36 00-1453 EA 36" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,164.81 -77.72 58.24	465.04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1454 36" Radius Vertical Crosses (26 05 36 00-1293)		
26 05 36 00-1455 EA 6" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	987.19 -72.05 49.36	319.98
26 05 36 00-1456 EA 9" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,041.37 -75.71 52.07	341.10
26 05 36 00-1457 EA 12" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,109.97 -80.56 55.50	365.32
26 05 36 00-1458 EA 18" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,191.05 -86.27 59.55	394.11
26 05 36 00-1459 EA 24" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,437.08 -104.95 71.85	465.04
26 05 36 00-1460 EA 30" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,584.77 -115.88 79.24	511.11
26 05 36 00-1461 EA 36" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,764.53 -129.01 88.23	569.35
26 05 36 00-1462 Dropout Or End Plates And Reducers (26 05 36 00-0744)		
26 05 36 00-1463 Straight Reducers (26 05 36 00-1462)		
26 05 36 00-1464 EA 9"-6" Reducer, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	212.75 -14.71 10.64	78.72
26 05 36 00-1465 EA 12"-9" Reducer, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	225.40 -15.44 11.27	85.22
26 05 36 00-1466 EA 18"-12" Reducer, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	249.13 -16.71 12.46	98.34
26 05 36 00-1467 EA 24"-18" Reducer, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	276.61 -18.18 13.83	113.81
26 05 36 00-1468 EA 30"-24" Reducer, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	302.09 -19.54 15.10	127.99
26 05 36 00-1469 EA 36"-30" Reducer, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	337.94 -21.61 16.90	146.23
26 05 36 00-1470 Reducers (26 05 36 00-1462)		
26 05 36 00-1471 EA 18"-6" Reducer, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	249.23 -16.72 12.46	98.45
26 05 36 00-1472 EA 24"-12" Reducer, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	276.88 -18.19 13.84	113.92
26 05 36 00-1473 EA 30"-12" Reducer, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	301.92 -19.53 15.10	127.88
26 05 36 00-1474 EA 36"-18" Reducer, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	303.57 -19.71 15.18	127.78
26 05 36 00-1475 EA 36"-12" Reducer, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	336.13 -21.43 16.81	146.23
26 05 36 00-1476 EA 36"-18" Reducer, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	344.34 -21.93 17.22	150.07
26 05 36 00-1477 EA 36"-24" Reducer, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	355.95 -22.69 17.80	154.87
26 05 36 00-1478 Dropout Or End Plate (26 05 36 00-1462)		
26 05 36 00-1479 EA 6" Dropout Or End Plate, Aluminum Cable Tray	64.11	32.00
26 05 36 00-1480 EA 9" Dropout Or End Plate, Aluminum Cable Tray	72.40	36.58
26 05 36 00-1481 EA 12" Dropout Or End Plate, Aluminum Cable Tray	78.09	39.36
26 05 36 00-1482 EA 18" Dropout Or End Plate, Aluminum Cable Tray	94.29	46.51
26 05 36 00-1483 EA 24" Dropout Or End Plate, Aluminum Cable Tray	104.98	51.20
26 05 36 00-1484 EA 30" Dropout Or End Plate, Aluminum Cable Tray	118.20	58.85
26 05 36 00-1485 EA 36" Dropout Or End Plate, Aluminum Cable Tray	132.66	64.00

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 36 00-1486	Solid Bottom Cable Tray (26 05 36 00-0001) Note: 3-5/8" Height.				
26 05 36 00-1487	Solid Bottom Galvanized Steel Straight Tray Sections (26 05 36 00-1486)				
26 05 36 00-1488	LF 6" Solid Bottom Steel Cable Tray, Straight Section.....	27.20		8.32	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	2.68			
26 05 36 00-1489	LF 12" Solid Bottom Steel Cable Tray, Straight Section.....	33.88		10.24	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	3.38			
26 05 36 00-1490	LF 18" Solid Bottom Steel Cable Tray, Straight Section.....	45.21		14.72	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	4.33			
26 05 36 00-1491	LF 24" Solid Bottom Steel Cable Tray, Straight Section.....	52.31		16.85	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	5.03			
26 05 36 00-1492	LF 30" Solid Bottom Steel Cable Tray, Straight Section.....	62.71		20.37	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	6.00			
26 05 36 00-1493	LF 36" Solid Bottom Steel Cable Tray, Straight Section.....	80.03		23.36	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	8.11			
26 05 36 00-1494	Solid Bottom Galvanized Steel Cable Tray Fittings (26 05 36 00-1486)				
26 05 36 00-1495	90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1494)				
26 05 36 00-1496	EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	278.20		106.77	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	23.94			
26 05 36 00-1497	EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	362.73		150.18	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	29.37			
26 05 36 00-1498	EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	444.32		189.54	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	35.06			
26 05 36 00-1499	EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	544.62		232.84	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	42.88			
26 05 36 00-1500	EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	636.24		269.85	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	50.47			
26 05 36 00-1501	EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	714.82		301.32	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	57.01			
26 05 36 00-1502	90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1494)				
26 05 36 00-1503	EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	327.75		111.14	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	30.63			
26 05 36 00-1504	EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	433.43		160.10	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	38.32			
26 05 36 00-1505	EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	534.02		204.89	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	45.96			
26 05 36 00-1506	EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	651.33		255.98	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	55.04			
26 05 36 00-1507	EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	764.04		300.79	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	64.48			
26 05 36 00-1508	EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	863.47		341.10	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	72.66			
26 05 36 00-1509	90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1494)				
26 05 36 00-1510	EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	402.15		116.15	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	40.97			
26 05 36 00-1511	EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	519.61		170.98	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	49.45			
26 05 36 00-1512	EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	658.26		222.81	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	61.60			
26 05 36 00-1513	EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	784.59		284.14	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	70.33			
26 05 36 00-1514	EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	941.71		341.10	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	84.40			
26 05 36 00-1515	EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,074.46		393.05	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	95.65			
26 05 36 00-1516	45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1494)				
26 05 36 00-1517	EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	253.24		106.77	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	20.19			
26 05 36 00-1518	EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	334.64		150.18	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	25.16			
26 05 36 00-1519	EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	411.86		189.33	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	30.22			
26 05 36 00-1520	EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	504.93		232.52	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	36.98			
26 05 36 00-1521	EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	589.60		269.85	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	43.47			
26 05 36 00-1522	EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	660.72		300.79	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	48.99			
26 05 36 00-1523	45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1494)				
26 05 36 00-1524	EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	292.27		111.25	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	25.30			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1525 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 3-5/8", Add	391.53 32.06	159.99
26 05 36 00-1526 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 3-5/8", Add	486.30 38.76	205.11
26 05 36 00-1527 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 3-5/8", Add	595.16 46.61	255.98
26 05 36 00-1528 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 3-5/8", Add	699.28 54.68	301.32
26 05 36 00-1529 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 3-5/8", Add	789.74 61.61	341.10
26 05 36 00-1530 45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1494)		
26 05 36 00-1531 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 3-5/8", Add	350.27 33.16	116.26
26 05 36 00-1532 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 3-5/8", Add	434.42 39.33	154.98
26 05 36 00-1533 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 3-5/8", Add	586.54 50.84	222.81
26 05 36 00-1534 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 3-5/8", Add	707.69 58.71	284.68
26 05 36 00-1535 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 3-5/8", Add	848.42 70.41	341.10
26 05 36 00-1536 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 3-5/8", Add	971.25 80.01	394.11
26 05 36 00-1537 90 Degree, 12" Radius Vertical Risers (26 05 36 00-1494)		
26 05 36 00-1538 EA 6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 3-5/8", Add	299.80 27.23	106.45
26 05 36 00-1539 EA 12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 3-5/8", Add	378.77 31.78	150.18
26 05 36 00-1540 EA 18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 3-5/8", Add	446.33 35.36	189.54
26 05 36 00-1541 EA 24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 3-5/8", Add	540.61 42.28	232.84
26 05 36 00-1542 EA 30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 3-5/8", Add	612.17 46.86	269.85
26 05 36 00-1543 EA 36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 3-5/8", Add	669.75 50.34	300.79
26 05 36 00-1544 90 Degree, 24" Radius Vertical Risers (26 05 36 00-1494)		
26 05 36 00-1545 EA 6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 3-5/8", Add	357.84 35.15	111.14
26 05 36 00-1546 EA 12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 3-5/8", Add	455.50 41.63	160.10
26 05 36 00-1547 EA 18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 3-5/8", Add	546.06 47.77	204.89
26 05 36 00-1548 EA 24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 3-5/8", Add	649.32 54.73	255.98
26 05 36 00-1549 EA 30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 3-5/8", Add	735.95 60.27	300.79
26 05 36 00-1550 EA 36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 3-5/8", Add	825.35 66.95	341.10
26 05 36 00-1551 90 Degree, 36" Radius Vertical Risers (26 05 36 00-1494)		
26 05 36 00-1552 EA 6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 3-5/8", Add	428.23 44.88	116.15
26 05 36 00-1553 EA 12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 3-5/8", Add	521.70 52.37	155.30
26 05 36 00-1554 EA 18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 3-5/8", Add	658.26 61.60	222.81
26 05 36 00-1555 EA 24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 3-5/8", Add	788.60 70.93	284.14
26 05 36 00-1556 EA 30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 3-5/8", Add	911.62 79.89	341.10
26 05 36 00-1557 EA 36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 3-5/8", Add	1,028.32 88.73	393.05
26 05 36 00-1558 12" Radius Horizontal Tees (26 05 36 00-1494)		
26 05 36 00-1559 EA 6" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 3-5/8", Add	481.86 38.14	204.89
26 05 36 00-1560 EA 12" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 3-5/8", Add	578.43 44.17	255.56
26 05 36 00-1561 EA 18" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 3-5/8", Add	682.73 52.19	301.32
26 05 36 00-1562 EA 24" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 3-5/8", Add	812.80 60.90	366.06
26 05 36 00-1563 EA 30" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 3-5/8", Add	887.49 67.45	394.11

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1564	EA	36" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,039.96 78.48	465.04
26 05 36 00-1565		24" Radius Horizontal Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1566	EA	6" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	589.53 51.34	222.50
26 05 36 00-1567	EA	12" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	728.41 61.90	284.14
26 05 36 00-1568	EA	18" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	851.43 70.86	341.10
26 05 36 00-1569	EA	24" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,094.26 93.03	426.64
26 05 36 00-1570	EA	30" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,192.43 101.35	465.04
26 05 36 00-1571	EA	36" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,400.93 115.16	569.35
26 05 36 00-1572		36" Radius Horizontal Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1573	EA	6" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	749.54 71.78	243.93
26 05 36 00-1574	EA	12" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	916.48 84.14	319.98
26 05 36 00-1575	EA	18" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,074.06 95.43	394.11
26 05 36 00-1576	EA	24" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,310.80 119.11	465.04
26 05 36 00-1577	EA	30" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,436.45 130.00	512.83
26 05 36 00-1578	EA	36" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,668.46 143.61	639.97
26 05 36 00-1579		12" Radius Vertical Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1580	EA	6" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	572.14 51.68	204.89
26 05 36 00-1581	EA	12" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	667.38 57.44	255.98
26 05 36 00-1582	EA	18" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	718.38 60.39	284.14
26 05 36 00-1583	EA	24" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	770.06 65.39	300.79
26 05 36 00-1584	EA	30" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	855.44 71.46	341.10
26 05 36 00-1585	EA	36" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	953.69 77.38	394.11
26 05 36 00-1586		24" Radius Vertical Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1587	EA	6" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	711.91 69.70	222.50
26 05 36 00-1588	EA	12" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	830.73 77.25	284.14
26 05 36 00-1589	EA	18" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	908.45 82.94	319.98
26 05 36 00-1590	EA	24" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	961.77 87.41	341.10
26 05 36 00-1591	EA	30" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,088.11 97.54	394.11
26 05 36 00-1592	EA	36" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,226.54 106.47	465.04
26 05 36 00-1593		36" Radius Vertical Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1594	EA	6" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	937.50 100.04	243.50
26 05 36 00-1595	EA	12" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,074.97 107.92	319.98
26 05 36 00-1596	EA	18" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,190.58 117.71	365.32
26 05 36 00-1597	EA	24" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,258.63 123.12	394.11
26 05 36 00-1598	EA	30" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,477.31 144.08	465.04
26 05 36 00-1599	EA	36" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,594.20 153.94	511.11
26 05 36 00-1600		12" Radius Horizontal Crosses <small>(26 05 36 00-1494)</small>		
26 05 36 00-1601	EA	6" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	595.16 46.61	255.98



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1602 EA 12" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	684.73 52.49	301.32
26 05 36 00-1603 EA 18" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	823.45 62.64	365.32
26 05 36 00-1604 EA 24" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	951.82 71.67	426.64
26 05 36 00-1605 EA 30" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	1,120.75 82.92	511.11
26 05 36 00-1606 EA 36" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	1,243.85 91.68	569.35
26 05 36 00-1607 24" Radius Horizontal Crosses (26 05 36 00-1494)		
26 05 36 00-1608 EA 6" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	781.41 69.76	284.68
26 05 36 00-1609 EA 12" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	911.62 79.89	341.10
26 05 36 00-1610 EA 18" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	1,094.26 93.03	426.64
26 05 36 00-1611 EA 24" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	1,346.17 116.46	512.83
26 05 36 00-1612 EA 30" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	1,480.58 127.19	569.35
26 05 36 00-1613 EA 36" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	1,628.34 137.59	639.97
26 05 36 00-1614 36" Radius Horizontal Crosses (26 05 36 00-1494)		
26 05 36 00-1615 EA 6" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	1,034.84 101.90	319.98
26 05 36 00-1616 EA 12" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	1,208.48 115.59	394.11
26 05 36 00-1617 EA 18" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	1,456.51 133.01	512.83
26 05 36 00-1618 EA 24" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	1,661.13 154.28	569.35
26 05 36 00-1619 EA 30" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	1,838.99 169.19	639.97
26 05 36 00-1620 EA 36" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	2,040.12 184.26	730.52
26 05 36 00-1621 Straight Reducers (26 05 36 00-1494)		
26 05 36 00-1622 EA 12"-6" Reducer, Solid Bottom, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	240.52 21.86	85.32
26 05 36 00-1623 EA 18"-12" Reducer, Solid Bottom, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	261.04 23.08	96.42
26 05 36 00-1624 EA 24"-18" Reducer, Solid Bottom, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	289.50 24.91	111.14
26 05 36 00-1625 EA 30"-24" Reducer, Solid Bottom, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	325.68 27.52	127.99
26 05 36 00-1626 EA 36"-30" Reducer, Solid Bottom, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	352.96 29.28	141.97
26 05 36 00-1627 Reducers (26 05 36 00-1494)		
26 05 36 00-1628 EA 18"-6" Reducer, Solid Bottom, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	261.13 23.09	96.53
26 05 36 00-1629 EA 24"-12" Reducer, Solid Bottom, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	287.88 24.63	111.35
26 05 36 00-1630 EA 30"-12" Reducer, Solid Bottom, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	321.49 26.91	127.88
26 05 36 00-1631 EA 30"-18" Reducer, Solid Bottom, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	323.33 27.20	127.78
26 05 36 00-1632 EA 36"-12" Reducer, Solid Bottom, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	350.95 28.98	141.97
26 05 36 00-1633 EA 36"-18" Reducer, Solid Bottom, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	352.96 29.28	141.97
26 05 36 00-1634 EA 36"-24" Reducer, Solid Bottom, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	355.39 29.61	142.18
26 05 36 00-1635 Dropout Or End Plate (26 05 36 00-1494)		
26 05 36 00-1636 EA 6" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	73.79	32.00
26 05 36 00-1637 EA 12" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	90.55	39.04
26 05 36 00-1638 EA 18" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	104.50	46.29
26 05 36 00-1639 EA 24" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	117.52	51.20
26 05 36 00-1640 EA 30" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	130.84	56.85
26 05 36 00-1641 EA 36" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	145.28	64.00
26 05 36 00-1642 Solid Bottom Aluminum Straight Cable Tray Sections (26 05 36 00-1486)		

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1643	LF	6" Solid Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	24.09 2.49	6.72
26 05 36 00-1644	LF	12" Solid Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	30.00 3.19	7.89
26 05 36 00-1645	LF	18" Solid Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	38.34 4.04	10.24
26 05 36 00-1646	LF	24" Solid Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	45.53 4.95	11.31
26 05 36 00-1647	LF	30" Solid Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	55.89 5.95	14.62
26 05 36 00-1648	LF	36" Solid Bottom Steel Aluminum Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	66.36 7.28	16.00
26 05 36 00-1649 Solid Bottom Aluminum Cable Tray Fittings (26 05 36 00-1496)				
26 05 36 00-1650		90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1649)		
26 05 36 00-1651	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	280.90 24.35	106.77
26 05 36 00-1652	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	339.95 28.59	134.39
26 05 36 00-1653	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	392.48 33.79	150.50
26 05 36 00-1654	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	457.20 39.12	176.73
26 05 36 00-1655	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	539.83 46.79	205.11
26 05 36 00-1656	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	610.25 52.72	232.84
26 05 36 00-1657 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1649)				
26 05 36 00-1658	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	331.77 31.23	111.14
26 05 36 00-1659	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	411.06 37.94	142.39
26 05 36 00-1660	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	464.62 43.03	159.99
26 05 36 00-1661	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	560.57 52.49	189.54
26 05 36 00-1662	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	650.40 60.53	222.18
26 05 36 00-1663	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	748.54 69.62	255.98
26 05 36 00-1664 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1649)				
26 05 36 00-1665	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	410.79 42.27	116.15
26 05 36 00-1666	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	512.05 51.68	150.82
26 05 36 00-1667	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	593.91 60.60	170.98
26 05 36 00-1668	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	672.54 66.78	204.57
26 05 36 00-1669	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	781.49 76.58	243.93
26 05 36 00-1670	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	912.18 89.55	283.71
26 05 36 00-1671 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1649)				
26 05 36 00-1672	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	258.35 20.95	106.77
26 05 36 00-1673	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	314.46 24.76	134.39
26 05 36 00-1674	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	361.08 29.10	150.39
26 05 36 00-1675	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	420.78 33.72	176.41
26 05 36 00-1676	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	496.27 40.25	205.11
26 05 36 00-1677	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	560.25 45.34	232.20
26 05 36 00-1678 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1649)				
26 05 36 00-1679	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	299.68 26.41	111.25
26 05 36 00-1680	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	372.61 32.19	142.18
26 05 36 00-1681	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	421.60 36.52	160.31



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1682	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	506.75 44.42	189.54
26 05 36 00-1683	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	589.82 51.34	222.81
26 05 36 00-1684	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	677.72 58.99	255.98
26 05 36 00-1685 45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1649)				
26 05 36 00-1686	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	363.27 35.11	116.26
26 05 36 00-1687	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	454.22 43.05	150.50
26 05 36 00-1688	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	525.93 50.40	170.98
26 05 36 00-1689	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	600.47 55.88	205.11
26 05 36 00-1690	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	698.99 64.20	243.93
26 05 36 00-1691	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	817.19 75.13	284.68
26 05 36 00-1692 90 Degree, 12" Radius Vertical Risers (26 05 36 00-1649)				
26 05 36 00-1693	EA	6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	299.74 27.22	106.45
26 05 36 00-1694	EA	12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	351.22 30.28	134.39
26 05 36 00-1695	EA	18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	394.09 34.03	150.50
26 05 36 00-1696	EA	24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	445.93 37.43	176.73
26 05 36 00-1697	EA	30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	502.81 41.24	205.11
26 05 36 00-1698	EA	36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	552.79 44.22	232.20
26 05 36 00-1699 90 Degree, 24" Radius Vertical Risers (26 05 36 00-1649)				
26 05 36 00-1700	EA	6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	359.13 35.34	111.14
26 05 36 00-1701	EA	12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	425.55 40.11	142.39
26 05 36 00-1702	EA	18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	469.44 43.75	159.99
26 05 36 00-1703	EA	24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	536.43 48.87	189.54
26 05 36 00-1704	EA	30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	603.72 53.52	222.18
26 05 36 00-1705	EA	36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	684.16 59.96	255.98
26 05 36 00-1706 90 Degree, 36" Radius Vertical Risers (26 05 36 00-1649)				
26 05 36 00-1707	EA	6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	422.06 43.96	116.15
26 05 36 00-1708	EA	12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	508.84 51.19	150.82
26 05 36 00-1709	EA	18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	564.94 56.25	170.98
26 05 36 00-1710	EA	24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	632.31 60.75	204.57
26 05 36 00-1711	EA	30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	728.38 68.61	243.93
26 05 36 00-1712	EA	36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	807.56 73.86	283.71
26 05 36 00-1713 12" Radius Horizontal Tees (26 05 36 00-1649)				
26 05 36 00-1714	EA	6" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	500.77 40.97	204.89
26 05 36 00-1715	EA	12" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	580.15 48.32	232.20
26 05 36 00-1716	EA	18" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	643.92 53.92	255.98
26 05 36 00-1717	EA	24" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	717.50 60.18	284.68
26 05 36 00-1718	EA	30" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	848.61 70.44	341.10
26 05 36 00-1719	EA	36" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,032.98 83.84	426.64

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 36 00-1720	24" Radius Horizontal Tees (26 05 36 00-1649)				
26 05 36 00-1721	EA 6" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	633.20		222.50	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	57.89			
26 05 36 00-1722	EA 12" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	722.78		255.98	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	65.75			
26 05 36 00-1723	EA 18" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	808.40		284.14	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	73.90			
26 05 36 00-1724	EA 24" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	978.98		341.10	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	89.99			
26 05 36 00-1725	EA 30" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	1,177.83		426.64	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	105.57			
26 05 36 00-1726	EA 36" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	1,300.49		466.43	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	117.33			
26 05 36 00-1727	36" Radius Horizontal Tees (26 05 36 00-1649)				
26 05 36 00-1728	EA 6" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	832.99		243.93	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	84.30			
26 05 36 00-1729	EA 12" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	940.38		284.14	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	93.69			
26 05 36 00-1730	EA 18" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	1,072.47		319.98	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	107.54			
26 05 36 00-1731	EA 24" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	1,282.87		393.05	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	126.91			
26 05 36 00-1732	EA 30" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	1,546.73		512.83	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	146.54			
26 05 36 00-1733	EA 36" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	1,721.49		569.35	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	163.33			
26 05 36 00-1734	12" Radius Vertical Tees (26 05 36 00-1649)				
26 05 36 00-1735	EA 6" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	568.37		204.89	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	51.11			
26 05 36 00-1736	EA 12" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	619.33		232.52	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	54.14			
26 05 36 00-1737	EA 18" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	647.28		243.50	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	56.51			
26 05 36 00-1738	EA 24" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	683.48		255.56	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	59.93			
26 05 36 00-1739	EA 30" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	753.68		284.14	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	65.69			
26 05 36 00-1740	EA 36" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	864.70		341.10	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	72.85			
26 05 36 00-1741	24" Radius Vertical Tees (26 05 36 00-1649)				
26 05 36 00-1742	EA 6" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	705.63		222.50	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	68.76			
26 05 36 00-1743	EA 12" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	780.72		255.98	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	74.44			
26 05 36 00-1744	EA 18" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	827.14		269.32	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	79.18			
26 05 36 00-1745	EA 24" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	884.05		284.14	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	85.24			
26 05 36 00-1746	EA 30" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	983.95		319.98	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	94.26			
26 05 36 00-1747	EA 36" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	1,129.97		393.05	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	103.98			
26 05 36 00-1748	36" Radius Vertical Tees (26 05 36 00-1649)				
26 05 36 00-1749	EA 6" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	928.94		243.50	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	98.76			
26 05 36 00-1750	EA 12" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	1,015.04		280.74	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	105.47			
26 05 36 00-1751	EA 18" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	1,080.64		300.79	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	111.97			
26 05 36 00-1752	EA 24" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	1,128.81		319.98	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	115.99			
26 05 36 00-1753	EA 30" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	1,252.58		365.32	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	127.01			
26 05 36 00-1754	EA 36" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	845.97		465.04	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	49.38			
26 05 36 00-1755	12" Radius Horizontal Crosses (26 05 36 00-1649)				
26 05 36 00-1756	EA 6" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	590.36		232.52	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	49.80			
26 05 36 00-1757	EA 12" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	655.19		255.98	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	55.61			
26 05 36 00-1758	EA 18" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	761.96		300.79	
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	64.17			



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1759	EA	24" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	904.93 74.86	365.32
26 05 36 00-1760	EA	30" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	989.94 82.97	393.05
26 05 36 00-1761	EA	36" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,147.59 94.40	466.43
26 05 36 00-1762		24" Radius Horizontal Crosses (26 05 36 00-1649)		
26 05 36 00-1763	EA	6" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	781.40 74.48	256.41
26 05 36 00-1764	EA	12" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	884.05 85.24	284.14
26 05 36 00-1765	EA	18" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,014.38 95.30	341.10
26 05 36 00-1766	EA	24" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,252.14 116.52	427.81
26 05 36 00-1767	EA	30" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,372.92 128.20	466.43
26 05 36 00-1768	EA	36" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,568.59 140.39	569.35
26 05 36 00-1769		36" Radius Horizontal Crosses (26 05 36 00-1649)		
26 05 36 00-1770	EA	6" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,077.18 114.21	284.14
26 05 36 00-1771	EA	12" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,185.14 124.44	319.98
26 05 36 00-1772	EA	18" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,381.04 141.48	394.11
26 05 36 00-1773	EA	24" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,643.30 161.03	512.83
26 05 36 00-1774	EA	30" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,801.96 175.40	569.35
26 05 36 00-1775	EA	36" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2,064.48 203.01	639.97
26 05 36 00-1776		Straight Reducers (26 05 36 00-1649)		
26 05 36 00-1777	EA	12"-6" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	221.78 21.07	73.17
26 05 36 00-1778	EA	18"-12" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	245.00 22.55	85.22
26 05 36 00-1779	EA	24"-18" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	270.17 24.45	96.42
26 05 36 00-1780	EA	30"-24" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	304.54 27.14	111.25
26 05 36 00-1781	EA	36"-30" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	338.53 29.48	127.78
26 05 36 00-1782		Reducers (26 05 36 00-1649)		
26 05 36 00-1783	EA	18"-6" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	243.47 22.31	85.22
26 05 36 00-1784	EA	24"-12" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	268.85 24.23	96.63
26 05 36 00-1785	EA	30"-12" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	301.19 26.65	111.14
26 05 36 00-1786	EA	30"-18" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	302.67 26.88	111.14
26 05 36 00-1787	EA	36"-12" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	338.53 29.48	127.78
26 05 36 00-1788	EA	36"-18" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	340.14 29.72	127.78
26 05 36 00-1789	EA	36"-24" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	343.70 30.22	127.99
26 05 36 00-1790		Dropout Or End Plate (26 05 36 00-1649)		
26 05 36 00-1791	EA	6" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	73.69	32.00
26 05 36 00-1792	EA	12" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	88.09	39.04
26 05 36 00-1793	EA	18" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	104.74	46.29
26 05 36 00-1794	EA	24" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	115.66	51.20
26 05 36 00-1795	EA	30" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	130.14	56.85
26 05 36 00-1796	EA	36" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	147.70	64.00
26 05 36 00-1797		Vented Bottom Cable Tray (26 05 36 00-0001) Note: 6" Height.		
26 05 36 00-1798		Vented Bottom Galvanized Steel Cable Tray (26 05 36 00-1797)		
26 05 36 00-1799	LF	6" Vented Bottom Steel Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	31.74 -2.24	11.20

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1800	LF	12" Vented Bottom Steel Cable Tray, Straight Section	37.20	12.80
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-2.66	
26 05 36 00-1801	LF	18" Vented Bottom Steel Cable Tray, Straight Section	43.68	14.72
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-3.14	
26 05 36 00-1802	LF	24" Vented Bottom Steel Cable Tray, Straight Section	50.12	16.85
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-3.61	
26 05 36 00-1803	LF	30" Vented Bottom Steel Cable Tray, Straight Section	65.53	20.37
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-4.85	
26 05 36 00-1804	LF	36" Vented Bottom Steel Cable Tray, Straight Section	78.02	25.59
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-5.66	
26 05 36 00-1805		Vented Bottom Galvanized Steel Cable Tray Fittings (26 05 36 00-1797)		
26 05 36 00-1806		90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1805)		
26 05 36 00-1807	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	304.93	134.82
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-19.26	
26 05 36 00-1808	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	399.34	182.39
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-24.73	
26 05 36 00-1809	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	497.12	232.52
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-30.33	
26 05 36 00-1810	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	609.53	284.68
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-37.23	
26 05 36 00-1811	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	687.44	320.63
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-42.03	
26 05 36 00-1812	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	787.26	366.06
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-48.22	
26 05 36 00-1813		90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1805)		
26 05 36 00-1814	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	355.36	142.08
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-23.70	
26 05 36 00-1815	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	464.94	197.00
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-30.08	
26 05 36 00-1816	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	591.71	255.98
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-37.84	
26 05 36 00-1817	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	719.38	319.98
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-45.27	
26 05 36 00-1818	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	765.53	330.54
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-49.01	
26 05 36 00-1819	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	960.19	426.64
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-60.47	
26 05 36 00-1820		90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1805)		
26 05 36 00-1821	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	427.46	150.18
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-30.23	
26 05 36 00-1822	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	558.60	213.64
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-38.06	
26 05 36 00-1823	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	717.58	284.68
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-48.03	
26 05 36 00-1824	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	865.41	365.32
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-56.10	
26 05 36 00-1825	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	999.21	426.64
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-64.37	
26 05 36 00-1826	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,173.06	511.11
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-74.71	
26 05 36 00-1827		45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1805)		
26 05 36 00-1828	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	287.45	134.93
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-17.50	
26 05 36 00-1829	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	378.38	182.39
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-22.64	
26 05 36 00-1830	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	472.46	232.20
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-27.90	
26 05 36 00-1831	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	578.98	284.14
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-34.22	
26 05 36 00-1832	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	653.76	320.63
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-38.66	
26 05 36 00-1833	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	746.91	365.32
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-44.25	
26 05 36 00-1834		45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1805)		
26 05 36 00-1835	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	329.50	142.18
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-21.10	
26 05 36 00-1836	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	434.90	197.00
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-27.07	
26 05 36 00-1837	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	556.08	256.41
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-34.24	
26 05 36 00-1838	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	678.45	319.98
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-41.18	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1839	EA		30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	777.57	366.06
			For 4-5/8" Overall Height Instead Of 6", Deduct	-47.25	
26 05 36 00-1840	EA		36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	905.39	426.64
			For 4-5/8" Overall Height Instead Of 6", Deduct	-54.99	
26 05 36 00-1841			45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1805)		
26 05 36 00-1842	EA		6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	388.97	150.50
			For 4-5/8" Overall Height Instead Of 6", Deduct	-26.35	
26 05 36 00-1843	EA		12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	513.08	213.01
			For 4-5/8" Overall Height Instead Of 6", Deduct	-33.56	
26 05 36 00-1844	EA		18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	664.10	284.68
			For 4-5/8" Overall Height Instead Of 6", Deduct	-42.69	
26 05 36 00-1845	EA		24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	810.34	366.06
			For 4-5/8" Overall Height Instead Of 6", Deduct	-50.53	
26 05 36 00-1846	EA		30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	935.82	426.64
			For 4-5/8" Overall Height Instead Of 6", Deduct	-58.03	
26 05 36 00-1847	EA		36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,105.15	512.83
			For 4-5/8" Overall Height Instead Of 6", Deduct	-67.78	
26 05 36 00-1848			90 Degree, 12" Radius Vertical Risers (26 05 36 00-1805)		
26 05 36 00-1849	EA		6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	327.62	134.39
			For 4-5/8" Overall Height Instead Of 6", Deduct	-21.56	
26 05 36 00-1850	EA		12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	419.60	182.39
			For 4-5/8" Overall Height Instead Of 6", Deduct	-26.76	
26 05 36 00-1851	EA		18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	504.62	232.52
			For 4-5/8" Overall Height Instead Of 6", Deduct	-31.08	
26 05 36 00-1852	EA		24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	608.03	284.68
			For 4-5/8" Overall Height Instead Of 6", Deduct	-37.08	
26 05 36 00-1853	EA		30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	670.93	320.63
			For 4-5/8" Overall Height Instead Of 6", Deduct	-40.37	
26 05 36 00-1854	EA		36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	752.85	365.32
			For 4-5/8" Overall Height Instead Of 6", Deduct	-44.85	
26 05 36 00-1855			90 Degree, 24" Radius Vertical Risers (26 05 36 00-1805)		
26 05 36 00-1856	EA		6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	385.38	142.08
			For 4-5/8" Overall Height Instead Of 6", Deduct	-26.70	
26 05 36 00-1857	EA		12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	485.95	197.00
			For 4-5/8" Overall Height Instead Of 6", Deduct	-32.18	
26 05 36 00-1858	EA		18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	600.72	255.98
			For 4-5/8" Overall Height Instead Of 6", Deduct	-38.74	
26 05 36 00-1859	EA		24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	713.38	319.98
			For 4-5/8" Overall Height Instead Of 6", Deduct	-44.67	
26 05 36 00-1860	EA		30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	811.38	365.32
			For 4-5/8" Overall Height Instead Of 6", Deduct	-50.70	
26 05 36 00-1861	EA		36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	922.68	426.64
			For 4-5/8" Overall Height Instead Of 6", Deduct	-56.71	
26 05 36 00-1862			90 Degree, 36" Radius Vertical Risers (26 05 36 00-1805)		
26 05 36 00-1863	EA		6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	451.47	150.18
			For 4-5/8" Overall Height Instead Of 6", Deduct	-32.63	
26 05 36 00-1864	EA		12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	569.11	213.64
			For 4-5/8" Overall Height Instead Of 6", Deduct	-39.11	
26 05 36 00-1865	EA		18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	711.58	284.68
			For 4-5/8" Overall Height Instead Of 6", Deduct	-47.43	
26 05 36 00-1866	EA		24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	862.40	365.32
			For 4-5/8" Overall Height Instead Of 6", Deduct	-55.80	
26 05 36 00-1867	EA		30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	970.70	426.64
			For 4-5/8" Overall Height Instead Of 6", Deduct	-61.52	
26 05 36 00-1868	EA		36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	1,140.05	511.11
			For 4-5/8" Overall Height Instead Of 6", Deduct	-71.41	
26 05 36 00-1869			12" Radius Horizontal Tees (26 05 36 00-1805)		
26 05 36 00-1870	EA		6" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	548.19	255.98
			For 4-5/8" Overall Height Instead Of 6", Deduct	-33.49	
26 05 36 00-1871	EA		12" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	667.30	319.34
			For 4-5/8" Overall Height Instead Of 6", Deduct	-40.12	
26 05 36 00-1872	EA		18" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	763.25	366.06
			For 4-5/8" Overall Height Instead Of 6", Deduct	-45.82	
26 05 36 00-1873	EA		24" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	888.16	426.64
			For 4-5/8" Overall Height Instead Of 6", Deduct	-53.26	
26 05 36 00-1874	EA		30" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	977.74	465.04
			For 4-5/8" Overall Height Instead Of 6", Deduct	-59.02	
26 05 36 00-1875	EA		36" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,074.02	511.11
			For 4-5/8" Overall Height Instead Of 6", Deduct	-64.81	
26 05 36 00-1876			24" Radius Horizontal Tees (26 05 36 00-1805)		

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1877 EA 6" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	674.72	284.14
For 4-5/8" Overall Height Instead Of 6", Deduct	-43.79	
26 05 36 00-1878 EA 12" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	827.89	365.32
For 4-5/8" Overall Height Instead Of 6", Deduct	-52.35	
26 05 36 00-1879 EA 18" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	955.69	426.64
For 4-5/8" Overall Height Instead Of 6", Deduct	-60.02	
26 05 36 00-1880 EA 24" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,170.06	511.11
For 4-5/8" Overall Height Instead Of 6", Deduct	-74.41	
26 05 36 00-1881 EA 30" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,294.10	569.35
For 4-5/8" Overall Height Instead Of 6", Deduct	-81.96	
26 05 36 00-1882 EA 36" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,447.78	639.97
For 4-5/8" Overall Height Instead Of 6", Deduct	-91.45	
26 05 36 00-1883 36" Radius Horizontal Tees (26 05 36 00-1805)		
26 05 36 00-1884 EA 6" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	821.43	319.98
For 4-5/8" Overall Height Instead Of 6", Deduct	-55.48	
26 05 36 00-1885 EA 12" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,039.73	426.64
For 4-5/8" Overall Height Instead Of 6", Deduct	-68.42	
26 05 36 00-1886 EA 18" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,213.32	512.83
For 4-5/8" Overall Height Instead Of 6", Deduct	-78.60	
26 05 36 00-1887 EA 24" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,498.80	639.97
For 4-5/8" Overall Height Instead Of 6", Deduct	-96.55	
26 05 36 00-1888 EA 30" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,680.88	733.93
For 4-5/8" Overall Height Instead Of 6", Deduct	-106.93	
26 05 36 00-1889 EA 36" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,958.60	851.05
For 4-5/8" Overall Height Instead Of 6", Deduct	-124.94	
26 05 36 00-1890 12" Radius Vertical Tees (26 05 36 00-1805)		
26 05 36 00-1891 EA 6" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	629.23	255.98
For 4-5/8" Overall Height Instead Of 6", Deduct	-41.59	
26 05 36 00-1892 EA 12" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	738.89	319.98
For 4-5/8" Overall Height Instead Of 6", Deduct	-47.22	
26 05 36 00-1893 EA 18" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	778.65	341.10
For 4-5/8" Overall Height Instead Of 6", Deduct	-49.44	
26 05 36 00-1894 EA 24" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	830.89	365.32
For 4-5/8" Overall Height Instead Of 6", Deduct	-52.65	
26 05 36 00-1895 EA 30" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	892.39	394.11
For 4-5/8" Overall Height Instead Of 6", Deduct	-56.40	
26 05 36 00-1896 EA 36" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,015.26	465.04
For 4-5/8" Overall Height Instead Of 6", Deduct	-62.77	
26 05 36 00-1897 24" Radius Vertical Tees (26 05 36 00-1805)		
26 05 36 00-1898 EA 6" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	745.25	284.14
For 4-5/8" Overall Height Instead Of 6", Deduct	-50.84	
26 05 36 00-1899 EA 12" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	893.92	365.32
For 4-5/8" Overall Height Instead Of 6", Deduct	-58.95	
26 05 36 00-1900 EA 18" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	955.41	394.11
For 4-5/8" Overall Height Instead Of 6", Deduct	-62.70	
26 05 36 00-1901 EA 24" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,032.22	426.64
For 4-5/8" Overall Height Instead Of 6", Deduct	-67.67	
26 05 36 00-1902 EA 30" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,112.80	465.04
For 4-5/8" Overall Height Instead Of 6", Deduct	-72.52	
26 05 36 00-1903 EA 36" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,315.10	569.35
For 4-5/8" Overall Height Instead Of 6", Deduct	-84.06	
26 05 36 00-1904 36" Radius Vertical Tees (26 05 36 00-1805)		
26 05 36 00-1905 EA 6" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	964.43	319.34
For 4-5/8" Overall Height Instead Of 6", Deduct	-69.83	
26 05 36 00-1906 EA 12" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,153.78	426.64
For 4-5/8" Overall Height Instead Of 6", Deduct	-79.82	
26 05 36 00-1907 EA 18" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,232.86	465.04
For 4-5/8" Overall Height Instead Of 6", Deduct	-84.53	
26 05 36 00-1908 EA 24" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,342.38	512.83
For 4-5/8" Overall Height Instead Of 6", Deduct	-91.51	
26 05 36 00-1909 EA 30" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,511.69	569.35
For 4-5/8" Overall Height Instead Of 6", Deduct	-103.72	
26 05 36 00-1910 EA 36" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,787.85	730.52
For 4-5/8" Overall Height Instead Of 6", Deduct	-117.91	
26 05 36 00-1911 12" Radius Horizontal Crosses (26 05 36 00-1805)		
26 05 36 00-1912 EA 6" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	689.37	319.98
For 4-5/8" Overall Height Instead Of 6", Deduct	-42.27	
26 05 36 00-1913 EA 12" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	767.75	366.06
For 4-5/8" Overall Height Instead Of 6", Deduct	-46.27	
26 05 36 00-1914 EA 18" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	886.66	426.64
For 4-5/8" Overall Height Instead Of 6", Deduct	-53.11	
26 05 36 00-1915 EA 24" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,036.50	511.11
For 4-5/8" Overall Height Instead Of 6", Deduct	-61.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1916 EA 30" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 6", Deduct	1,152.67 -67.99	567.33
26 05 36 00-1917 EA 36" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 6", Deduct	1,299.21 -76.59	639.97
26 05 36 00-1918 24" Radius Horizontal Crosses (26 05 36 00-1805)		
26 05 36 00-1919 EA 6" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 6", Deduct	854.79 -54.97	366.06
26 05 36 00-1920 EA 12" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 6", Deduct	967.70 -61.22	426.64
26 05 36 00-1921 EA 18" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 6", Deduct	1,134.05 -70.81	511.11
26 05 36 00-1922 EA 24" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 6", Deduct	1,425.27 -89.20	639.97
26 05 36 00-1923 EA 30" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 6", Deduct	1,613.77 -100.50	730.52
26 05 36 00-1924 EA 36" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 6", Deduct	1,838.55 -112.94	851.05
26 05 36 00-1925 36" Radius Horizontal Crosses (26 05 36 00-1805)		
26 05 36 00-1926 EA 6" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 6", Deduct	1,123.77 -76.82	426.64
26 05 36 00-1927 EA 12" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 6", Deduct	1,288.36 -86.10	512.83
26 05 36 00-1928 EA 18" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 6", Deduct	1,509.31 -97.60	639.97
26 05 36 00-1929 EA 24" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 6", Deduct	1,958.68 -124.57	855.53
26 05 36 00-1930 EA 30" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 6", Deduct	2,294.56 -143.99	1,025.55
26 05 36 00-1931 EA 36" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 6", Deduct	2,763.50 -169.69	1,279.93
26 05 36 00-1932 Straight Reducers (26 05 36 00-1805)		
26 05 36 00-1933 EA 12"-6" Reducer, Vented Bottom, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 6", Deduct	257.43 -16.66	109.00
26 05 36 00-1934 EA 18"-12" Reducer, Vented Bottom, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 6", Deduct	281.72 -18.03	121.81
26 05 36 00-1935 EA 24"-18" Reducer, Vented Bottom, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 6", Deduct	320.64 -20.23	141.97
26 05 36 00-1936 EA 30"-24" Reducer, Vented Bottom, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 6", Deduct	353.69 -22.04	159.99
26 05 36 00-1937 EA 36"-30" Reducer, Vented Bottom, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 6", Deduct	386.71 -23.99	176.20
26 05 36 00-1938 Reducers (26 05 36 00-1805)		
26 05 36 00-1939 EA 18"-6" Reducer, Vented Bottom, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 6", Deduct	281.72 -18.03	121.81
26 05 36 00-1940 EA 24"-12" Reducer, Vented Bottom, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 6", Deduct	319.57 -20.11	142.18
26 05 36 00-1941 EA 30"-12" Reducer, Vented Bottom, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 6", Deduct	351.93 -21.87	159.78
26 05 36 00-1942 EA 30"-18" Reducer, Vented Bottom, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 6", Deduct	353.16 -22.01	159.67
26 05 36 00-1943 EA 36"-12" Reducer, Vented Bottom, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 6", Deduct	385.21 -23.84	176.20
26 05 36 00-1944 EA 36"-18" Reducer, Vented Bottom, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 6", Deduct	386.71 -23.99	176.20
26 05 36 00-1945 EA 36"-24" Reducer, Vented Bottom, Steel Cable Tray..... For 4-5/8" Overall Height Instead Of 6", Deduct	388.86 -24.17	176.63
26 05 36 00-1946 Dropout Or End Plate (26 05 36 00-1805)		
26 05 36 00-1947 EA 6" Dropout Or End Plate, Vented Bottom, Steel Cable Tray.....	83.67	39.36
26 05 36 00-1948 EA 12" Dropout Or End Plate, Vented Bottom, Steel Cable Tray.....	99.05	46.19
26 05 36 00-1949 EA 18" Dropout Or End Plate, Vented Bottom, Steel Cable Tray.....	109.21	50.99
26 05 36 00-1950 EA 24" Dropout Or End Plate, Vented Bottom, Steel Cable Tray.....	122.67	56.85
26 05 36 00-1951 EA 30" Dropout Or End Plate, Vented Bottom, Steel Cable Tray.....	136.40	63.89
26 05 36 00-1952 EA 36" Dropout Or End Plate, Vented Bottom, Steel Cable Tray.....	160.35	76.37
26 05 36 00-1953 Vented Bottom Aluminum Cable Tray (26 05 36 00-1797)		
26 05 36 00-1954 LF 6" Vented Bottom Aluminum Cable Tray, Straight Section..... For 4-5/8" Overall Height Instead Of 6", Deduct	30.36 -2.34	8.32
26 05 36 00-1955 LF 9" Vented Bottom Aluminum Cable Tray, Straight Section..... For 4-5/8" Overall Height Instead Of 6", Deduct	33.65 -2.60	9.17
26 05 36 00-1956 LF 12" Vented Bottom Aluminum Cable Tray, Straight Section..... For 4-5/8" Overall Height Instead Of 6", Deduct	37.64 -2.91	10.24

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1957 LF 18" Vented Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	43.76 -3.42	11.41
26 05 36 00-1958 LF 24" Vented Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	50.13 -3.96	12.69
26 05 36 00-1959 LF 30" Vented Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	63.38 -5.12	14.62
26 05 36 00-1960 LF 36" Vented Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	70.70 -5.64	17.17
26 05 36 00-1961 Vented Bottom Aluminum Cable Tray Fittings (26 05 36 00-1977)		
26 05 36 00-1962 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1961)		
26 05 36 00-1963 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	369.53 -25.72	134.82
26 05 36 00-1964 EA 9" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	401.45 -27.95	146.34
26 05 36 00-1965 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	442.61 -30.53	164.79
26 05 36 00-1966 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	499.68 -34.75	182.60
26 05 36 00-1967 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	598.17 -41.25	222.81
26 05 36 00-1968 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	706.61 -49.30	256.41
26 05 36 00-1969 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	778.96 -54.17	284.68
26 05 36 00-1970 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1961)		
26 05 36 00-1971 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	446.80 -32.84	142.08
26 05 36 00-1972 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	540.01 -39.29	176.63
26 05 36 00-1973 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	611.87 -44.77	197.00
26 05 36 00-1974 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	729.25 -52.63	243.50
26 05 36 00-1975 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	842.38 -60.60	283.71
26 05 36 00-1976 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	932.29 -66.56	319.98
26 05 36 00-1977 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1961)		
26 05 36 00-1978 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	546.47 -42.13	150.18
26 05 36 00-1979 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	654.40 -49.62	189.75
26 05 36 00-1980 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	740.30 -56.23	213.64
26 05 36 00-1981 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	868.89 -64.44	269.32
26 05 36 00-1982 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	928.47 -71.10	261.00
26 05 36 00-1983 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,144.27 -83.99	365.32
26 05 36 00-1984 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1961)		
26 05 36 00-1985 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	337.85 -22.54	134.93
26 05 36 00-1986 EA 9" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	367.03 -24.49	146.55
26 05 36 00-1987 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	405.66 -26.84	164.79
26 05 36 00-1988 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	456.38 -30.44	182.39
26 05 36 00-1989 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	547.76 -36.23	222.50
26 05 36 00-1990 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	645.17 -43.15	256.41
26 05 36 00-1991 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	711.13 -47.43	284.14
26 05 36 00-1992 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1961)		
26 05 36 00-1993 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	400.82 -28.23	142.18
26 05 36 00-1994 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	485.96 -33.88	176.63
26 05 36 00-1995 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	549.92 -38.55	197.33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1996 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... For 4-5/8" Overall Height Instead Of 6", Deduct	658.72 -45.55	243.93
26 05 36 00-1997 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... For 4-5/8" Overall Height Instead Of 6", Deduct	762.75 -52.55	284.68
26 05 36 00-1998 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... For 4-5/8" Overall Height Instead Of 6", Deduct	844.51 -57.79	319.98
26 05 36 00-1999 45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1961)		
26 05 36 00-2000 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... For 4-5/8" Overall Height Instead Of 6", Deduct	481.80 -35.64	150.50
26 05 36 00-2001 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... For 4-5/8" Overall Height Instead Of 6", Deduct	579.27 -42.15	189.33
26 05 36 00-2002 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... For 4-5/8" Overall Height Instead Of 6", Deduct	655.75 -47.77	213.64
26 05 36 00-2003 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... For 4-5/8" Overall Height Instead Of 6", Deduct	777.26 -55.24	269.85
26 05 36 00-2004 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... For 4-5/8" Overall Height Instead Of 6", Deduct	887.09 -63.60	301.32
26 05 36 00-2005 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... For 4-5/8" Overall Height Instead Of 6", Deduct	1,027.86 -72.28	366.06
26 05 36 00-2006 90 Degree, 12" Radius Vertical Risers (26 05 36 00-1961)		
26 05 36 00-2007 EA 6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray For 4-5/8" Overall Height Instead Of 6", Deduct	400.46 -28.84	134.39
26 05 36 00-2008 EA 9" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray For 4-5/8" Overall Height Instead Of 6", Deduct	430.18 -30.85	146.02
26 05 36 00-2009 EA 12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray For 4-5/8" Overall Height Instead Of 6", Deduct	463.61 -32.63	164.79
26 05 36 00-2010 EA 18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray For 4-5/8" Overall Height Instead Of 6", Deduct	499.68 -34.75	182.60
26 05 36 00-2011 EA 24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray For 4-5/8" Overall Height Instead Of 6", Deduct	587.67 -40.20	222.81
26 05 36 00-2012 EA 30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray For 4-5/8" Overall Height Instead Of 6", Deduct	654.11 -44.05	256.41
26 05 36 00-2013 EA 36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray For 4-5/8" Overall Height Instead Of 6", Deduct	702.52 -46.57	284.14
26 05 36 00-2014 90 Degree, 24" Radius Vertical Risers (26 05 36 00-1961)		
26 05 36 00-2015 EA 6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray For 4-5/8" Overall Height Instead Of 6", Deduct	474.10 -35.57	142.08
26 05 36 00-2016 EA 12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray For 4-5/8" Overall Height Instead Of 6", Deduct	552.61 -40.55	176.63
26 05 36 00-2017 EA 18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray For 4-5/8" Overall Height Instead Of 6", Deduct	609.77 -44.56	197.00
26 05 36 00-2018 EA 24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray For 4-5/8" Overall Height Instead Of 6", Deduct	692.07 -48.88	243.93
26 05 36 00-2019 EA 30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray For 4-5/8" Overall Height Instead Of 6", Deduct	773.92 -53.71	284.14
26 05 36 00-2020 EA 36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray For 4-5/8" Overall Height Instead Of 6", Deduct	848.29 -58.16	319.98
26 05 36 00-2021 90 Degree, 36" Radius Vertical Risers (26 05 36 00-1961)		
26 05 36 00-2022 EA 6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray For 4-5/8" Overall Height Instead Of 6", Deduct	544.37 -41.92	150.18
26 05 36 00-2023 EA 12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray For 4-5/8" Overall Height Instead Of 6", Deduct	631.30 -47.31	189.75
26 05 36 00-2024 EA 18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray For 4-5/8" Overall Height Instead Of 6", Deduct	708.80 -53.08	213.64
26 05 36 00-2025 EA 24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray For 4-5/8" Overall Height Instead Of 6", Deduct	831.10 -60.66	269.32
26 05 36 00-2026 EA 30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray For 4-5/8" Overall Height Instead Of 6", Deduct	922.15 -67.11	301.32
26 05 36 00-2027 EA 36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray For 4-5/8" Overall Height Instead Of 6", Deduct	1,041.37 -73.70	365.32
26 05 36 00-2028 12" Radius Horizontal Tees (26 05 36 00-1961)		
26 05 36 00-2029 EA 6" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray For 4-5/8" Overall Height Instead Of 6", Deduct	647.13 -43.38	255.98
26 05 36 00-2030 EA 9" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray For 4-5/8" Overall Height Instead Of 6", Deduct	675.70 -45.12	269.32
26 05 36 00-2031 EA 12" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray For 4-5/8" Overall Height Instead Of 6", Deduct	718.48 -48.21	283.71
26 05 36 00-2032 EA 18" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray For 4-5/8" Overall Height Instead Of 6", Deduct	819.96 -55.28	320.63
26 05 36 00-2033 EA 24" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray For 4-5/8" Overall Height Instead Of 6", Deduct	936.38 -63.20	365.32
26 05 36 00-2034 EA 30" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray For 4-5/8" Overall Height Instead Of 6", Deduct	1,061.77 -70.62	426.64

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2035	EA	36" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,174.14 -78.66	465.04
26 05 36 00-2036		24" Radius Horizontal Tees (26 05 36 00-1961)		
26 05 36 00-2037	EA	6" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	809.62 -57.28	284.14
26 05 36 00-2038	EA	12" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	914.43 -64.83	319.34
26 05 36 00-2039	EA	18" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,028.77 -72.44	365.32
26 05 36 00-2040	EA	24" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,234.16 -87.96	425.47
26 05 36 00-2041	EA	30" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,421.64 -99.43	512.83
26 05 36 00-2042	EA	36" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,610.42 -113.60	569.35
26 05 36 00-2043		36" Radius Horizontal Tees (26 05 36 00-1961)		
26 05 36 00-2044	EA	6" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,072.98 -80.63	319.98
26 05 36 00-2045	EA	12" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,228.27 -92.39	365.32
26 05 36 00-2046	EA	18" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,297.35 -100.04	356.36
26 05 36 00-2047	EA	24" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,670.89 -124.49	511.11
26 05 36 00-2048	EA	30" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,942.36 -140.69	642.52
26 05 36 00-2049	EA	36" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,225.55 -161.68	730.52
26 05 36 00-2050		12" Radius Vertical Tees (26 05 36 00-1961)		
26 05 36 00-2051	EA	6" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	729.03 -51.57	255.98
26 05 36 00-2052	EA	9" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	753.40 -52.89	269.32
26 05 36 00-2053	EA	12" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	801.22 -56.44	284.14
26 05 36 00-2054	EA	18" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	831.86 -58.08	301.32
26 05 36 00-2055	EA	24" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	870.33 -60.42	319.34
26 05 36 00-2056	EA	30" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	921.35 -63.71	341.10
26 05 36 00-2057	EA	36" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,022.66 -69.51	393.05
26 05 36 00-2058		24" Radius Vertical Tees (26 05 36 00-1961)		
26 05 36 00-2059	EA	6" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	902.01 -66.52	284.14
26 05 36 00-2060	EA	12" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	994.22 -72.81	319.34
26 05 36 00-2061	EA	18" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,062.04 -77.78	341.10
26 05 36 00-2062	EA	24" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,133.77 -82.94	365.32
26 05 36 00-2063	EA	30" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,222.15 -89.46	393.05
26 05 36 00-2064	EA	36" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,354.89 -96.62	466.43
26 05 36 00-2065		36" Radius Vertical Tees (26 05 36 00-1961)		
26 05 36 00-2066	EA	6" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,193.72 -92.76	319.34
26 05 36 00-2067	EA	12" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,312.26 -100.79	365.32
26 05 36 00-2068	EA	18" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,379.64 -105.21	393.05
26 05 36 00-2069	EA	24" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,489.94 -113.35	427.81
26 05 36 00-2070	EA	30" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,617.38 -122.87	466.43
26 05 36 00-2071	EA	36" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,827.55 -135.48	567.33
26 05 36 00-2072		12" Radius Horizontal Crosses (26 05 36 00-1961)		



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2073	EA	6" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	748.72	284.14
		For 4-5/8" Overall Height Instead Of 6", Deduct	-51.19	
26 05 36 00-2074	EA	9" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	796.16	301.32
		For 4-5/8" Overall Height Instead Of 6", Deduct	-54.51	
26 05 36 00-2075	EA	12" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	836.76	320.63
		For 4-5/8" Overall Height Instead Of 6", Deduct	-56.96	
26 05 36 00-2076	EA	18" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	925.88	365.32
		For 4-5/8" Overall Height Instead Of 6", Deduct	-62.15	
26 05 36 00-2077	EA	24" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,061.97	425.47
		For 4-5/8" Overall Height Instead Of 6", Deduct	-70.74	
26 05 36 00-2078	EA	30" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,201.28	463.76
		For 4-5/8" Overall Height Instead Of 6", Deduct	-81.48	
26 05 36 00-2079	EA	36" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,465.52	569.35
		For 4-5/8" Overall Height Instead Of 6", Deduct	-99.11	
26 05 36 00-2080 24" Radius Horizontal Crosses (26 05 36 00-1961)				
26 05 36 00-2081	EA	6" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,027.85	320.63
		For 4-5/8" Overall Height Instead Of 6", Deduct	-76.07	
26 05 36 00-2082	EA	12" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,148.47	365.32
		For 4-5/8" Overall Height Instead Of 6", Deduct	-84.41	
26 05 36 00-2083	EA	18" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,290.86	425.47
		For 4-5/8" Overall Height Instead Of 6", Deduct	-93.63	
26 05 36 00-2084	EA	24" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,523.90	511.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	-109.79	
26 05 36 00-2085	EA	30" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,670.05	567.33
		For 4-5/8" Overall Height Instead Of 6", Deduct	-119.73	
26 05 36 00-2086	EA	36" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	2,036.56	730.52
		For 4-5/8" Overall Height Instead Of 6", Deduct	-142.78	
26 05 36 00-2087 36" Radius Horizontal Crosses (26 05 36 00-1961)				
26 05 36 00-2088	EA	6" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,417.26	365.32
		For 4-5/8" Overall Height Instead Of 6", Deduct	-111.29	
26 05 36 00-2089	EA	12" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,573.94	427.81
		For 4-5/8" Overall Height Instead Of 6", Deduct	-121.75	
26 05 36 00-2090	EA	18" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,786.39	511.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	-136.04	
26 05 36 00-2091	EA	24" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,152.35	642.52
		For 4-5/8" Overall Height Instead Of 6", Deduct	-161.69	
26 05 36 00-2092	EA	30" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,399.13	733.93
		For 4-5/8" Overall Height Instead Of 6", Deduct	-178.75	
26 05 36 00-2093	EA	36" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,783.31	851.05
		For 4-5/8" Overall Height Instead Of 6", Deduct	-207.41	
26 05 36 00-2094 Straight Reducers (26 05 36 00-1961)				
26 05 36 00-2095	EA	9"-6" Reducer, Vented Bottom, Aluminum Cable Tray	276.69	85.32
		For 4-5/8" Overall Height Instead Of 6", Deduct	-20.55	
26 05 36 00-2096	EA	12"-9" Reducer, Vented Bottom, Aluminum Cable Tray	290.51	89.92
		For 4-5/8" Overall Height Instead Of 6", Deduct	-21.56	
26 05 36 00-2097	EA	18"-12" Reducer, Vented Bottom, Aluminum Cable Tray	328.84	106.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	-24.00	
26 05 36 00-2098	EA	24"-18" Reducer, Vented Bottom, Aluminum Cable Tray	364.47	121.70
		For 4-5/8" Overall Height Instead Of 6", Deduct	-26.31	
26 05 36 00-2099	EA	30"-24" Reducer, Vented Bottom, Aluminum Cable Tray	402.92	142.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	-28.44	
26 05 36 00-2100	EA	36"-30" Reducer, Vented Bottom, Aluminum Cable Tray	438.31	159.67
		For 4-5/8" Overall Height Instead Of 6", Deduct	-30.53	
26 05 36 00-2101 Reducers (26 05 36 00-1961)				
26 05 36 00-2102	EA	12"-6" Reducer, Vented Bottom, Aluminum Cable Tray	290.26	89.71
		For 4-5/8" Overall Height Instead Of 6", Deduct	-21.55	
26 05 36 00-2103	EA	18"-6" Reducer, Vented Bottom, Aluminum Cable Tray	328.73	106.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	-24.00	
26 05 36 00-2104	EA	18"-9" Reducer, Vented Bottom, Aluminum Cable Tray	328.73	106.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	-24.00	
26 05 36 00-2105	EA	24"-6" Reducer, Vented Bottom, Aluminum Cable Tray	364.62	121.81
		For 4-5/8" Overall Height Instead Of 6", Deduct	-26.32	
26 05 36 00-2106	EA	24"-9" Reducer, Vented Bottom, Aluminum Cable Tray	364.62	121.81
		For 4-5/8" Overall Height Instead Of 6", Deduct	-26.32	
26 05 36 00-2107	EA	24"-12" Reducer, Vented Bottom, Aluminum Cable Tray	364.93	121.92
		For 4-5/8" Overall Height Instead Of 6", Deduct	-26.33	
26 05 36 00-2108	EA	30"-12" Reducer, Vented Bottom, Aluminum Cable Tray	406.90	142.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	-28.85	
26 05 36 00-2109	EA	30"-18" Reducer, Vented Bottom, Aluminum Cable Tray	402.49	141.97
		For 4-5/8" Overall Height Instead Of 6", Deduct	-28.42	
26 05 36 00-2110	EA	36"-12" Reducer, Vented Bottom, Aluminum Cable Tray	438.31	159.67
		For 4-5/8" Overall Height Instead Of 6", Deduct	-30.53	
26 05 36 00-2111	EA	36"-18" Reducer, Vented Bottom, Aluminum Cable Tray	438.31	159.67
		For 4-5/8" Overall Height Instead Of 6", Deduct	-30.53	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2112	EA	36"-24" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	438.84 -30.55	159.99
26 05 36 00-2113		Dropout Or End Plate (26 05 36 00-1961)		
26 05 36 00-2114	EA	6" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray.....	93.10	39.36
26 05 36 00-2115	EA	9" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray.....	101.60	42.99
26 05 36 00-2116	EA	12" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray.....	109.46	46.19
26 05 36 00-2117	EA	18" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray.....	124.13	50.99
26 05 36 00-2118	EA	24" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray.....	142.08	56.85
26 05 36 00-2119	EA	30" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray.....	156.94	63.89
26 05 36 00-2120	EA	36" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray.....	179.68	73.17
26 05 36 00-2121		Covers And Dividers (26 05 36 00-0001)		
26 05 36 00-2122		Galvanized Steel Covers (26 05 36 00-2121)		
26 05 36 00-2123		Ventilated Straight Sections (26 05 36 00-2122)		
26 05 36 00-2124	LF	6" Steel Cable Tray Cover, Straight Section	7.98	1.92
26 05 36 00-2125	LF	9" Steel Cable Tray Cover, Straight Section	9.58	2.24
26 05 36 00-2126	LF	12" Steel Cable Tray Cover, Straight Section	11.24	2.56
26 05 36 00-2127	LF	18" Steel Cable Tray Cover, Straight Section	15.21	3.41
26 05 36 00-2128	LF	24" Steel Cable Tray Cover, Straight Section	19.41	4.58
26 05 36 00-2129	LF	30" Steel Cable Tray Cover, Straight Section	23.57	5.65
26 05 36 00-2130	LF	36" Steel Cable Tray Cover, Straight Section	123.01	64.10
26 05 36 00-2131		90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-2122)		
26 05 36 00-2132	EA	6" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	46.69	6.83
26 05 36 00-2133	EA	9" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	52.35	8.00
26 05 36 00-2134	EA	12" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	57.02	9.49
26 05 36 00-2135	EA	18" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	77.28	12.16
26 05 36 00-2136	EA	24" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	94.86	15.47
26 05 36 00-2137	EA	30" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	114.07	17.17
26 05 36 00-2138	EA	36" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	137.73	20.48
26 05 36 00-2139		90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-2122)		
26 05 36 00-2140	EA	6" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	71.10	7.57
26 05 36 00-2141	EA	9" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	74.75	8.85
26 05 36 00-2142	EA	12" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	84.60	10.67
26 05 36 00-2143	EA	18" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	105.05	13.54
26 05 36 00-2144	EA	24" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	129.03	17.06
26 05 36 00-2145	EA	30" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	164.85	19.63
26 05 36 00-2146	EA	36" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	191.90	23.25
26 05 36 00-2147		90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-2122)		
26 05 36 00-2148	EA	6" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	99.70	8.53
26 05 36 00-2149	EA	9" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	110.96	9.81
26 05 36 00-2150	EA	12" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	120.84	12.16
26 05 36 00-2151	EA	18" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	152.76	14.19
26 05 36 00-2152	EA	24" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	185.88	19.73
26 05 36 00-2153	EA	30" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	218.69	22.30
26 05 36 00-2154	EA	36" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	255.70	25.59
26 05 36 00-2155		45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-2122)		
26 05 36 00-2156	EA	6" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	36.49 -9.41 -16.07	6.83
26 05 36 00-2157	EA	9" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	43.34 -11.24 -19.17	8.00
26 05 36 00-2158	EA	12" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	48.76 -12.47 -21.31	9.49
26 05 36 00-2159	EA	18" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	59.14 -15.06 -25.75	11.63
26 05 36 00-2160	EA	24" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	69.01 -17.60 -30.08	13.44
26 05 36 00-2161	EA	30" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	80.63 -20.66 -35.30	15.47
26 05 36 00-2162	EA	36" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	89.98 -23.15 -39.53	17.06



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2163		45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-2122)		
26 05 36 00-2164	EA	6" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	49.36	7.57
		For 60 Degree Bend, Deduct	-13.39	
		For 30 Degree Bend, Deduct	-22.74	
26 05 36 00-2165	EA	9" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	55.99	8.85
		For 60 Degree Bend, Deduct	-15.09	
		For 30 Degree Bend, Deduct	-25.64	
26 05 36 00-2166	EA	12" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	64.34	10.67
		For 60 Degree Bend, Deduct	-17.13	
		For 30 Degree Bend, Deduct	-29.15	
26 05 36 00-2167	EA	18" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	74.63	12.80
		For 60 Degree Bend, Deduct	-19.72	
		For 30 Degree Bend, Deduct	-33.57	
26 05 36 00-2168	EA	24" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	85.95	14.62
		For 60 Degree Bend, Deduct	-22.75	
		For 30 Degree Bend, Deduct	-38.73	
26 05 36 00-2169	EA	30" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	106.55	17.06
		For 60 Degree Bend, Deduct	-28.60	
		For 30 Degree Bend, Deduct	-48.62	
26 05 36 00-2170	EA	36" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	118.39	19.73
		For 60 Degree Bend, Deduct	-31.51	
		For 30 Degree Bend, Deduct	-53.62	
26 05 36 00-2171		45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-2122)		
26 05 36 00-2172	EA	6" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	67.45	8.53
		For 60 Degree Bend, Deduct	-19.00	
		For 30 Degree Bend, Deduct	-32.13	
26 05 36 00-2173	EA	9" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	76.45	9.81
		For 60 Degree Bend, Deduct	-21.45	
		For 30 Degree Bend, Deduct	-36.30	
26 05 36 00-2174	EA	12" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	86.27	12.16
		For 60 Degree Bend, Deduct	-23.81	
		For 30 Degree Bend, Deduct	-40.36	
26 05 36 00-2175	EA	18" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	98.31	13.54
		For 60 Degree Bend, Deduct	-27.26	
		For 30 Degree Bend, Deduct	-46.19	
26 05 36 00-2176	EA	24" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	119.84	16.53
		For 60 Degree Bend, Deduct	-33.21	
		For 30 Degree Bend, Deduct	-56.27	
26 05 36 00-2177	EA	30" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	133.40	19.73
		For 60 Degree Bend, Deduct	-36.47	
		For 30 Degree Bend, Deduct	-61.87	
26 05 36 00-2178	EA	36" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	157.13	21.33
		For 60 Degree Bend, Deduct	-43.67	
		For 30 Degree Bend, Deduct	-73.97	
26 05 36 00-2179		90 Degree, 12" Radius Vertical Risers (26 05 36 00-2122)		
26 05 36 00-2180	EA	6" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover.....	40.80	6.83
26 05 36 00-2181	EA	9" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover.....	43.34	8.00
26 05 36 00-2182	EA	12" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover.....	48.01	9.49
26 05 36 00-2183	EA	18" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover.....	56.17	11.63
26 05 36 00-2184	EA	24" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover.....	62.61	15.04
26 05 36 00-2185	EA	30" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover.....	69.80	17.17
26 05 36 00-2186	EA	36" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover.....	87.37	20.48
26 05 36 00-2187		90 Degree, 24" Radius Vertical Risers (26 05 36 00-2122)		
26 05 36 00-2188	EA	6" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover.....	48.59	7.57
26 05 36 00-2189	EA	9" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover.....	54.49	8.85
26 05 36 00-2190	EA	12" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover.....	59.09	10.67
26 05 36 00-2191	EA	18" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover.....	76.10	12.80
26 05 36 00-2192	EA	24" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover.....	89.05	16.53
26 05 36 00-2193	EA	30" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover.....	102.59	19.73
26 05 36 00-2194	EA	36" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover.....	118.37	23.25
26 05 36 00-2195		90 Degree, 36" Radius Vertical Risers (26 05 36 00-2122)		
26 05 36 00-2196	EA	6" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	56.18	8.53
26 05 36 00-2197	EA	9" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	69.69	9.81
26 05 36 00-2198	EA	12" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	80.32	12.16
26 05 36 00-2199	EA	18" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	98.31	13.54
26 05 36 00-2200	EA	24" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	115.57	18.88
26 05 36 00-2201	EA	30" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	137.66	22.30
26 05 36 00-2202	EA	36" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	161.15	25.59
26 05 36 00-2203		12" Radius Horizontal Tees (26 05 36 00-2122)		
26 05 36 00-2204	EA	6" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	71.83	11.09
26 05 36 00-2205	EA	9" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	76.10	12.80
26 05 36 00-2206	EA	12" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	86.54	15.04

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2207 EA 18" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	103.54	17.06
26 05 36 00-2208 EA 24" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	127.39	19.73
26 05 36 00-2209 EA 30" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	158.37	28.37
26 05 36 00-2210 EA 36" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	190.32	34.03
26 05 36 00-2211 24" Radius Horizontal Tees (26 05 36 00-2122)		
26 05 36 00-2212 EA 6" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	103.44	11.63
26 05 36 00-2213 EA 9" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	118.56	13.54
26 05 36 00-2214 EA 12" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	125.68	16.00
26 05 36 00-2215 EA 18" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	158.07	18.35
26 05 36 00-2216 EA 24" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	230.55	21.33
26 05 36 00-2217 EA 30" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	275.47	32.00
26 05 36 00-2218 EA 36" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	310.20	39.36
26 05 36 00-2219 36" Radius Horizontal Tees (26 05 36 00-2122)		
26 05 36 00-2220 EA 6" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	171.83	12.16
26 05 36 00-2221 EA 9" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	178.25	14.19
26 05 36 00-2222 EA 12" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	199.55	17.06
26 05 36 00-2223 EA 18" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	233.99	19.73
26 05 36 00-2224 EA 24" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	302.95	23.25
26 05 36 00-2225 EA 30" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	347.73	36.69
26 05 36 00-2226 EA 36" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	402.98	46.40
26 05 36 00-2227 12" Radius Horizontal Crosses (26 05 36 00-2122)		
26 05 36 00-2228 EA 6" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	104.60	15.04
26 05 36 00-2229 EA 9" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	110.71	16.00
26 05 36 00-2230 EA 12" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	122.30	17.06
26 05 36 00-2231 EA 18" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	143.90	19.73
26 05 36 00-2232 EA 24" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	182.34	28.37
26 05 36 00-2233 EA 30" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	211.27	34.03
26 05 36 00-2234 EA 36" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	240.98	36.58
26 05 36 00-2235 24" Radius Horizontal Crosses (26 05 36 00-2122)		
26 05 36 00-2236 EA 6" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	178.27	16.00
26 05 36 00-2237 EA 9" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	193.55	17.06
26 05 36 00-2238 EA 12" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	207.59	18.35
26 05 36 00-2239 EA 18" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	247.06	21.33
26 05 36 00-2240 EA 24" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	311.45	32.00
26 05 36 00-2241 EA 30" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	356.64	39.36
26 05 36 00-2242 EA 36" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	398.11	42.56
26 05 36 00-2243 36" Radius Horizontal Crosses (26 05 36 00-2122)		
26 05 36 00-2244 EA 6" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	282.08	17.06
26 05 36 00-2245 EA 9" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	293.13	18.35
26 05 36 00-2246 EA 12" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	309.02	19.73
26 05 36 00-2247 EA 18" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	356.97	23.25
26 05 36 00-2248 EA 24" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	466.24	36.58
26 05 36 00-2249 EA 30" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	512.88	46.61
26 05 36 00-2250 EA 36" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	550.53	51.20
26 05 36 00-2251 Reducers (26 05 36 00-2122)		
26 05 36 00-2252 EA 9"-6" Reducer, Steel Cable Tray Covers	47.11	8.00
26 05 36 00-2253 EA 12"-6" Reducer, Steel Cable Tray Covers	51.06	9.49
26 05 36 00-2254 EA 12"-9" Reducer, Steel Cable Tray Covers	51.06	9.49
26 05 36 00-2255 EA 18"-6" Reducer, Steel Cable Tray Covers	56.91	11.63
26 05 36 00-2256 EA 18"-12" Reducer, Steel Cable Tray Covers	56.91	11.63
26 05 36 00-2257 EA 24"-12" Reducer, Steel Cable Tray Covers	69.35	12.80
26 05 36 00-2258 EA 24"-18" Reducer, Steel Cable Tray Covers	73.85	12.80
26 05 36 00-2259 EA 30"-12" Reducer, Steel Cable Tray Covers	72.42	14.62
26 05 36 00-2260 EA 30"-18" Reducer, Steel Cable Tray Covers	76.92	14.62
26 05 36 00-2261 EA 30"-24" Reducer, Steel Cable Tray Covers	79.92	14.62
26 05 36 00-2262 EA 36"-12" Reducer, Steel Cable Tray Covers	83.64	16.00
26 05 36 00-2263 EA 36"-18" Reducer, Steel Cable Tray Covers	85.14	16.00
26 05 36 00-2264 EA 36"-24" Reducer, Steel Cable Tray Covers	86.64	16.00
26 05 36 00-2265 EA 36"-30" Reducer, Steel Cable Tray Covers	87.39	16.00
26 05 36 00-2266 Aluminum Covers (26 05 36 00-2121)		
26 05 36 00-2267 Ventilated Straight Sections (26 05 36 00-2266)		
26 05 36 00-2268 LF 6" Aluminum Cable Tray Cover, Straight Section	10.65	1.92
26 05 36 00-2269 LF 9" Aluminum Cable Tray Cover, Straight Section	12.71	2.24
26 05 36 00-2270 LF 12" Aluminum Cable Tray Cover, Straight Section	14.94	2.56
26 05 36 00-2271 LF 18" Aluminum Cable Tray Cover, Straight Section	19.87	3.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2272 LF 24" Aluminum Cable Tray Cover, Straight Section.....	25.53	4.58
26 05 36 00-2273 LF 30" Aluminum Cable Tray Cover, Straight Section.....	28.99	5.65
26 05 36 00-2274 LF 36" Aluminum Cable Tray Cover, Straight Section.....	127.63	64.10
26 05 36 00-2275 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-2266)		
26 05 36 00-2276 EA 6" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	60.03	6.83
26 05 36 00-2277 EA 9" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	64.05	8.00
26 05 36 00-2278 EA 12" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	70.70	9.49
26 05 36 00-2279 EA 18" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	92.11	12.16
26 05 36 00-2280 EA 24" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	116.71	15.47
26 05 36 00-2281 EA 30" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	137.37	17.17
26 05 36 00-2282 EA 36" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	167.33	20.48
26 05 36 00-2283 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-2266)		
26 05 36 00-2284 EA 6" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	79.14	7.57
26 05 36 00-2285 EA 9" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	97.14	8.85
26 05 36 00-2286 EA 12" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	108.70	10.67
26 05 36 00-2287 EA 18" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	130.30	13.54
26 05 36 00-2288 EA 24" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	161.63	17.06
26 05 36 00-2289 EA 30" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	195.52	19.63
26 05 36 00-2290 EA 36" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	239.61	23.25
26 05 36 00-2291 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-2266)		
26 05 36 00-2292 EA 6" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	128.29	8.53
26 05 36 00-2293 EA 9" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	141.11	9.81
26 05 36 00-2294 EA 12" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	161.89	12.16
26 05 36 00-2295 EA 18" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	192.78	14.19
26 05 36 00-2296 EA 24" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	237.81	19.73
26 05 36 00-2297 EA 30" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	273.82	22.30
26 05 36 00-2298 EA 36" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	319.46	25.59
26 05 36 00-2299 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-2266)		
26 05 36 00-2300 EA 6" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	47.36	6.83
For 60 Degree Bend, Deduct	-13.00	
For 30 Degree Bend, Deduct	-22.05	
26 05 36 00-2301 EA 9" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	50.32	8.00
For 60 Degree Bend, Deduct	-13.54	
For 30 Degree Bend, Deduct	-23.01	
26 05 36 00-2302 EA 12" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	57.17	9.49
For 60 Degree Bend, Deduct	-15.24	
For 30 Degree Bend, Deduct	-25.93	
26 05 36 00-2303 EA 18" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	66.92	11.63
For 60 Degree Bend, Deduct	-17.63	
For 30 Degree Bend, Deduct	-30.03	
26 05 36 00-2304 EA 24" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	75.33	13.44
For 60 Degree Bend, Deduct	-19.69	
For 30 Degree Bend, Deduct	-33.56	
26 05 36 00-2305 EA 30" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	92.43	15.47
For 60 Degree Bend, Deduct	-24.55	
For 30 Degree Bend, Deduct	-41.79	
26 05 36 00-2306 EA 36" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	108.76	17.06
For 60 Degree Bend, Deduct	-29.35	
For 30 Degree Bend, Deduct	-49.86	
26 05 36 00-2307 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-2266)		
26 05 36 00-2308 EA 6" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	54.33	7.57
For 60 Degree Bend, Deduct	-15.03	
For 30 Degree Bend, Deduct	-25.48	
26 05 36 00-2309 EA 9" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	67.56	8.85
For 60 Degree Bend, Deduct	-18.91	
For 30 Degree Bend, Deduct	-32.01	
26 05 36 00-2310 EA 12" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	72.77	10.67
For 60 Degree Bend, Deduct	-19.92	
For 30 Degree Bend, Deduct	-33.79	
26 05 36 00-2311 EA 18" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	87.93	12.80
For 60 Degree Bend, Deduct	-24.10	
For 30 Degree Bend, Deduct	-40.89	
26 05 36 00-2312 EA 24" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	106.84	14.62
For 60 Degree Bend, Deduct	-29.64	
For 30 Degree Bend, Deduct	-50.22	
26 05 36 00-2313 EA 30" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	123.61	17.06
For 60 Degree Bend, Deduct	-34.23	
For 30 Degree Bend, Deduct	-58.01	
26 05 36 00-2314 EA 36" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	142.75	19.73
For 60 Degree Bend, Deduct	-39.55	
For 30 Degree Bend, Deduct	-67.02	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 36 00-2315	45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-2266)				
26 05 36 00-2316	EA 6" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover For 60 Degree Bend, Deduct For 30 Degree Bend, Deduct	86.04 -25.13 -42.36		8.53	
26 05 36 00-2317	EA 9" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover For 60 Degree Bend, Deduct For 30 Degree Bend, Deduct	94.62 -27.45 -46.29		9.81	
26 05 36 00-2318	EA 12" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover For 60 Degree Bend, Deduct For 30 Degree Bend, Deduct	102.66 -29.22 -49.38		12.16	
26 05 36 00-2319	EA 18" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover For 60 Degree Bend, Deduct For 30 Degree Bend, Deduct	121.86 -35.03 -59.14		13.54	
26 05 36 00-2320	EA 24" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover For 60 Degree Bend, Deduct For 30 Degree Bend, Deduct	148.02 -42.51 -71.77		16.53	
26 05 36 00-2321	EA 30" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover For 60 Degree Bend, Deduct For 30 Degree Bend, Deduct	170.22 -48.62 -82.12		19.73	
26 05 36 00-2322	EA 36" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover For 60 Degree Bend, Deduct For 30 Degree Bend, Deduct	191.97 -55.17 -93.13		21.33	
26 05 36 00-2323	90 Degree, 12" Radius Vertical Risers (26 05 36 00-2266)				
26 05 36 00-2324	EA 6" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	52.81		6.83	
26 05 36 00-2325	EA 9" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	55.07		8.00	
26 05 36 00-2326	EA 12" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	61.19		9.49	
26 05 36 00-2327	EA 18" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	72.24		11.63	
26 05 36 00-2328	EA 24" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	80.04		15.04	
26 05 36 00-2329	EA 30" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	84.54		17.17	
26 05 36 00-2330	EA 36" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	101.73		20.48	
26 05 36 00-2331	90 Degree, 24" Radius Vertical Risers (26 05 36 00-2266)				
26 05 36 00-2332	EA 6" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover.....	60.12		7.57	
26 05 36 00-2333	EA 9" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover.....	66.50		8.85	
26 05 36 00-2334	EA 12" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover.....	73.83		10.67	
26 05 36 00-2335	EA 18" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover.....	88.96		12.80	
26 05 36 00-2336	EA 24" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover.....	101.49		16.53	
26 05 36 00-2337	EA 30" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover.....	127.91		19.73	
26 05 36 00-2338	EA 36" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover.....	142.39		23.25	
26 05 36 00-2339	90 Degree, 36" Radius Vertical Risers (26 05 36 00-2266)				
26 05 36 00-2340	EA 6" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover.....	69.11		8.53	
26 05 36 00-2341	EA 9" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover.....	84.05		9.81	
26 05 36 00-2342	EA 12" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover.....	98.49		12.16	
26 05 36 00-2343	EA 18" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover.....	117.63		13.54	
26 05 36 00-2344	EA 24" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover.....	143.54		18.88	
26 05 36 00-2345	EA 30" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover.....	178.71		22.30	
26 05 36 00-2346	EA 36" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover.....	194.77		25.59	
26 05 36 00-2347	12" Radius Horizontal Tees (26 05 36 00-2266)				
26 05 36 00-2348	EA 6" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	86.19		11.09	
26 05 36 00-2349	EA 9" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	93.19		12.80	
26 05 36 00-2350	EA 12" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	105.32		15.04	
26 05 36 00-2351	EA 18" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	123.61		17.06	
26 05 36 00-2352	EA 24" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	153.32		19.73	
26 05 36 00-2353	EA 30" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	188.92		28.37	
26 05 36 00-2354	EA 36" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	227.95		34.03	
26 05 36 00-2355	24" Radius Horizontal Tees (26 05 36 00-2266)				
26 05 36 00-2356	EA 6" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	129.30		11.63	
26 05 36 00-2357	EA 9" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	145.10		13.54	
26 05 36 00-2358	EA 12" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	164.01		16.00	
26 05 36 00-2359	EA 18" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	191.13		18.35	
26 05 36 00-2360	EA 24" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	291.19		21.33	
26 05 36 00-2361	EA 30" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	336.57		32.00	
26 05 36 00-2362	EA 36" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	380.49		39.36	
26 05 36 00-2363	36" Radius Horizontal Tees (26 05 36 00-2266)				
26 05 36 00-2364	EA 6" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	221.04		12.16	
26 05 36 00-2365	EA 9" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	228.68		14.19	
26 05 36 00-2366	EA 12" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	254.61		17.06	
26 05 36 00-2367	EA 18" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	288.63		19.73	
26 05 36 00-2368	EA 24" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	364.30		23.25	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2369	EA	30" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	426.73	36.69
26 05 36 00-2370	EA	36" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	489.45	46.40
26 05 36 00-2371		12" Radius Horizontal Crosses (26 05 36 00-2266)		
26 05 36 00-2372	EA	6" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	128.62	15.04
26 05 36 00-2373	EA	9" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	136.57	16.00
26 05 36 00-2374	EA	12" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	151.09	17.06
26 05 36 00-2375	EA	18" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	180.79	19.73
26 05 36 00-2376	EA	24" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	218.47	28.37
26 05 36 00-2377	EA	30" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	259.59	34.03
26 05 36 00-2378	EA	36" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	295.49	36.58
26 05 36 00-2379		24" Radius Horizontal Crosses (26 05 36 00-2266)		
26 05 36 00-2380	EA	6" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	229.59	16.00
26 05 36 00-2381	EA	9" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	246.16	17.06
26 05 36 00-2382	EA	12" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	265.10	18.35
26 05 36 00-2383	EA	18" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	308.09	21.33
26 05 36 00-2384	EA	24" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	378.80	32.00
26 05 36 00-2385	EA	30" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	445.93	39.36
26 05 36 00-2386	EA	36" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	483.08	42.56
26 05 36 00-2387		36" Radius Horizontal Crosses (26 05 36 00-2266)		
26 05 36 00-2388	EA	6" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	353.94	17.06
26 05 36 00-2389	EA	9" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	370.77	18.35
26 05 36 00-2390	EA	12" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	398.53	19.73
26 05 36 00-2391	EA	18" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	440.38	23.25
26 05 36 00-2392	EA	24" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	557.72	36.58
26 05 36 00-2393	EA	30" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	648.31	46.61
26 05 36 00-2394	EA	36" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	708.78	51.20
26 05 36 00-2395		Reducers (26 05 36 00-2266)		
26 05 36 00-2396	EA	9"-6" Reducer, Aluminum Cable Tray Covers	65.12	8.00
26 05 36 00-2397	EA	12"-6" Reducer, Aluminum Cable Tray Covers	69.68	9.49
26 05 36 00-2398	EA	12"-9" Reducer, Aluminum Cable Tray Covers	69.68	9.49
26 05 36 00-2399	EA	18"-6" Reducer, Aluminum Cable Tray Covers	78.57	11.63
26 05 36 00-2400	EA	18"-12" Reducer, Aluminum Cable Tray Covers	78.57	11.63
26 05 36 00-2401	EA	24"-12" Reducer, Aluminum Cable Tray Covers	86.85	12.80
26 05 36 00-2402	EA	24"-18" Reducer, Aluminum Cable Tray Covers	95.26	12.80
26 05 36 00-2403	EA	30"-12" Reducer, Aluminum Cable Tray Covers	100.48	14.62
26 05 36 00-2404	EA	30"-18" Reducer, Aluminum Cable Tray Covers	103.63	14.62
26 05 36 00-2405	EA	30"-24" Reducer, Aluminum Cable Tray Covers	105.79	14.62
26 05 36 00-2406	EA	36"-12" Reducer, Aluminum Cable Tray Covers	111.15	16.00
26 05 36 00-2407	EA	36"-18" Reducer, Aluminum Cable Tray Covers	113.26	16.00
26 05 36 00-2408	EA	36"-24" Reducer, Aluminum Cable Tray Covers	114.32	16.00
26 05 36 00-2409	EA	36"-30" Reducer, Aluminum Cable Tray Covers	115.37	16.00
26 05 36 00-2410		Galvanized Steel Dividers (26 05 36 00-2121)		
26 05 36 00-2411		Straight Dividers (26 05 36 00-2410)		
26 05 36 00-2412	LF	3" Deep Galvanized Steel Divider Strip, Straight	8.40	2.56
26 05 36 00-2413	LF	4" Deep Galvanized Steel Divider Strip, Straight	9.80	2.78
26 05 36 00-2414	LF	6" Deep Galvanized Steel Divider Strip, Straight	12.01	3.20
26 05 36 00-2415		3" Deep Vertical Dividers (26 05 36 00-2410)		
26 05 36 00-2416	EA	Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Steel Cable Tray	50.77	18.35
26 05 36 00-2417	EA	Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Steel Cable Tray	57.01	18.99
26 05 36 00-2418	EA	Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Steel Cable Tray	59.86	19.73
26 05 36 00-2419	EA	Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Steel Cable Tray	67.90	20.48
26 05 36 00-2420	EA	Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Steel Cable Tray	64.89	20.48
26 05 36 00-2421	EA	Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Steel Cable Tray	70.04	21.33
26 05 36 00-2422	EA	Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Steel Cable Tray	80.63	22.30
26 05 36 00-2423	EA	Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Steel Cable Tray	98.11	23.25
26 05 36 00-2424	EA	Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Steel Cable Tray	80.10	23.25
26 05 36 00-2425	EA	Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Steel Cable Tray	88.65	24.42
26 05 36 00-2426	EA	Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Steel Cable Tray	98.95	25.59
26 05 36 00-2427	EA	Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Steel Cable Tray	122.94	26.99
26 05 36 00-2428		4" Deep Vertical Dividers (26 05 36 00-2410)		
26 05 36 00-2429	EA	Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Steel Cable Tray	57.38	18.99
26 05 36 00-2430	EA	Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Steel Cable Tray	62.86	19.73
26 05 36 00-2431	EA	Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Steel Cable Tray	67.90	20.48
26 05 36 00-2432	EA	Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Steel Cable Tray	76.79	21.33
26 05 36 00-2433	EA	Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Steel Cable Tray	76.79	21.33

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2434 EA Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Steel Cable Tray.....	88.88	22.30
26 05 36 00-2435 EA Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Steel Cable Tray.....	97.36	23.25
26 05 36 00-2436 EA Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Steel Cable Tray.....	118.67	24.42
26 05 36 00-2437 EA Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Steel Cable Tray.....	85.13	22.30
26 05 36 00-2438 EA Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Steel Cable Tray.....	93.60	23.25
26 05 36 00-2439 EA Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Steel Cable Tray.....	109.66	24.42
26 05 36 00-2440 EA Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Steel Cable Tray.....	136.46	25.59
26 05 36 00-2441 6" Deep Vertical Dividers (26 05 36 00-2410)		
26 05 36 00-2442 EA Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Steel Cable Tray.....	63.66	21.33
26 05 36 00-2443 EA Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Steel Cable Tray.....	68.62	22.30
26 05 36 00-2444 EA Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Steel Cable Tray.....	74.85	23.25
26 05 36 00-2445 EA Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Steel Cable Tray.....	85.65	24.42
26 05 36 00-2446 EA Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Steel Cable Tray.....	78.38	22.30
26 05 36 00-2447 EA Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Steel Cable Tray.....	90.60	23.25
26 05 36 00-2448 EA Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Steel Cable Tray.....	99.91	24.42
26 05 36 00-2449 EA Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Steel Cable Tray.....	120.71	25.59
26 05 36 00-2450 EA Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Steel Cable Tray.....	86.85	23.25
26 05 36 00-2451 EA Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Steel Cable Tray.....	99.91	24.42
26 05 36 00-2452 EA Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Steel Cable Tray.....	120.71	25.59
26 05 36 00-2453 EA Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Steel Cable Tray.....	145.45	26.99
26 05 36 00-2454 Horizontal Dividers (26 05 36 00-2410)		
26 05 36 00-2455 EA 3" Deep Horizontal Fitting Divider Strip, Steel Cable Tray.....	54.70	15.47
26 05 36 00-2456 EA 4" Deep Horizontal Fitting Divider Strip, Steel Cable Tray.....	60.74	17.06
26 05 36 00-2457 EA 6" Deep Horizontal Fitting Divider Strip, Steel Cable Tray.....	72.84	18.99
26 05 36 00-2458 Aluminum Dividers (26 05 36 00-2121)		
26 05 36 00-2459 Straight Dividers (26 05 36 00-2458)		
26 05 36 00-2460 LF 3" Deep Aluminum Divider Strip, Straight.....	9.86	2.46
26 05 36 00-2461 LF 4" Deep Aluminum Divider Strip, Straight.....	11.67	2.67
26 05 36 00-2462 LF 6" Deep Aluminum Divider Strip, Straight.....	14.41	2.99
26 05 36 00-2463 3" Deep Vertical Dividers (26 05 36 00-2458)		
26 05 36 00-2464 EA Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray.....	52.57	17.70
26 05 36 00-2465 EA Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray.....	57.79	18.35
26 05 36 00-2466 EA Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray.....	63.50	18.99
26 05 36 00-2467 EA Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray.....	73.26	19.73
26 05 36 00-2468 EA Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray.....	71.24	19.73
26 05 36 00-2469 EA Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray.....	78.59	20.48
26 05 36 00-2470 EA Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray.....	91.09	21.33
26 05 36 00-2471 EA Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray.....	112.89	22.30
26 05 36 00-2472 EA Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray.....	95.71	22.30
26 05 36 00-2473 EA Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray.....	114.61	23.25
26 05 36 00-2474 EA Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray.....	138.63	24.42
26 05 36 00-2475 EA Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray.....	170.98	25.59
26 05 36 00-2476 4" Deep Vertical Dividers (26 05 36 00-2458)		
26 05 36 00-2477 EA Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray.....	63.14	18.35
26 05 36 00-2478 EA Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray.....	69.46	18.99
26 05 36 00-2479 EA Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray.....	76.30	19.73
26 05 36 00-2480 EA Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray.....	85.66	20.48
26 05 36 00-2481 EA Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray.....	84.65	20.48
26 05 36 00-2482 EA Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray.....	98.16	21.33
26 05 36 00-2483 EA Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray.....	110.87	22.30
26 05 36 00-2484 EA Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray.....	139.87	23.25
26 05 36 00-2485 EA Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray.....	114.33	21.33
26 05 36 00-2486 EA Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray.....	138.15	22.30
26 05 36 00-2487 EA Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray.....	162.09	23.25
26 05 36 00-2488 EA Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray.....	196.22	24.42
26 05 36 00-2489 6" Deep Vertical Dividers (26 05 36 00-2458)		
26 05 36 00-2490 EA Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray.....	69.90	20.48
26 05 36 00-2491 EA Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray.....	77.95	21.33
26 05 36 00-2492 EA Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray.....	81.57	22.30
26 05 36 00-2493 EA Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray.....	91.37	23.25
26 05 36 00-2494 EA Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray.....	88.06	21.33
26 05 36 00-2495 EA Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray.....	108.85	22.30
26 05 36 00-2496 EA Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray.....	117.64	23.25
26 05 36 00-2497 EA Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray.....	147.73	24.42
26 05 36 00-2498 EA Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray.....	116.93	22.30
26 05 36 00-2499 EA Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray.....	145.93	23.25
26 05 36 00-2500 EA Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray.....	166.92	24.42



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2501	EA	Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray.....	194.22	25.59
26 05 36 00-2502		Horizontal Dividers (26 05 36 00-2458)		
26 05 36 00-2503	EA	3" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray.....	61.20	14.62
26 05 36 00-2504	EA	4" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray.....	67.08	16.00
26 05 36 00-2505	EA	6" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray.....	82.98	17.70
26 05 36 00-2506		Wall Brackets (26 05 36 00-0001)		
26 05 36 00-2507		Wall Brackets (26 05 36 00-2506)		
26 05 36 00-2508	EA	6" Wide Tray Wall Bracket	76.35	21.33
26 05 36 00-2509	EA	9" Wide Tray Wall Bracket	79.11	22.30
26 05 36 00-2510	EA	12" Wide Tray Wall Bracket	86.66	23.25
26 05 36 00-2511	EA	18" Wide Tray Wall Bracket	91.96	24.42
26 05 36 00-2512	EA	24" Wide Tray Wall Bracket	99.83	25.59
26 05 36 00-2513	EA	30" Wide Tray Wall Bracket	118.40	26.99
26 05 36 00-2514	EA	36" Wide Tray Wall Bracket	141.32	28.80
26 05 36 00-2515		Fiberglass Cable Tray (26 05 36 00-0001)		
26 05 36 00-2516		Ladder Bottom Fiberglass Cable Tray (26 05 36 00-2515) Note: Excludes hangers and support system.		
26 05 36 00-2517		Straight Tray Sections (26 05 36 00-2516)		
26 05 36 00-2518	LF	6" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	9.68	2.88
		For 9" Rung Spacing, Add	0.19	
		For 6" Rung Spacing, Add	0.81	
		For 4" Rung Spacing, Add	1.49	
		For 18" Rung Spacing, Deduct	-0.14	
		For Solid Bottom, Add	2.27	
		For Vented Trough Bottom, Add	2.70	
26 05 36 00-2519	LF	9" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	10.93	3.52
		For 9" Rung Spacing, Add	0.20	
		For 6" Rung Spacing, Add	0.84	
		For 4" Rung Spacing, Add	1.54	
		For 18" Rung Spacing, Deduct	-0.14	
		For Solid Bottom, Add	2.48	
		For Vented Trough Bottom, Add	2.91	
26 05 36 00-2520	LF	12" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	12.16	4.27
		For 9" Rung Spacing, Add	0.20	
		For 6" Rung Spacing, Add	0.86	
		For 4" Rung Spacing, Add	1.58	
		For 18" Rung Spacing, Deduct	-0.14	
		For Solid Bottom, Add	2.69	
		For Vented Trough Bottom, Add	3.10	
26 05 36 00-2521	LF	18" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	14.72	5.65
		For 9" Rung Spacing, Add	0.22	
		For 6" Rung Spacing, Add	0.93	
		For 4" Rung Spacing, Add	1.70	
		For 18" Rung Spacing, Deduct	-0.15	
		For Solid Bottom, Add	3.14	
		For Vented Trough Bottom, Add	3.54	
26 05 36 00-2522	LF	24" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	17.28	7.15
		For 9" Rung Spacing, Add	0.23	
		For 6" Rung Spacing, Add	0.99	
		For 4" Rung Spacing, Add	1.82	
		For 18" Rung Spacing, Deduct	-0.17	
		For Solid Bottom, Add	3.58	
		For Vented Trough Bottom, Add	3.98	
26 05 36 00-2523	LF	30" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	18.90	7.79
		For 9" Rung Spacing, Add	0.25	
		For 6" Rung Spacing, Add	1.08	
		For 4" Rung Spacing, Add	1.97	
		For 18" Rung Spacing, Deduct	-0.18	
		For Solid Bottom, Add	3.91	
		For Vented Trough Bottom, Add	4.33	
26 05 36 00-2524	LF	36" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	20.55	8.53
		For 9" Rung Spacing, Add	0.27	
		For 6" Rung Spacing, Add	1.16	
		For 4" Rung Spacing, Add	2.13	
		For 18" Rung Spacing, Deduct	-0.19	
		For Solid Bottom, Add	4.25	
		For Vented Trough Bottom, Add	4.70	

26 05 36 00-2525 **90 Degree Horizontal Elbows** (26 05 36 00-2516)

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2526 EA 6" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	53.94	21.33
For 9" Rung Spacing, Add	0.77	
For 6" Rung Spacing, Add	3.29	
For 4" Rung Spacing, Add	6.03	
For 18" Rung Spacing, Deduct	-0.55	
For Solid Bottom, Add	11.38	
For Vented Trough Bottom, Add	12.78	
For 60 Degree Bend, Deduct	-10.44	
For 45 Degree Bend, Deduct	-14.45	
For 30 Degree Bend, Deduct	-18.47	
26 05 36 00-2527 EA 9" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	60.52	24.85
For 9" Rung Spacing, Add	0.81	
For 6" Rung Spacing, Add	3.48	
For 4" Rung Spacing, Add	6.38	
For 18" Rung Spacing, Deduct	-0.58	
For Solid Bottom, Add	12.56	
For Vented Trough Bottom, Add	13.94	
For 60 Degree Bend, Deduct	-11.39	
For 45 Degree Bend, Deduct	-15.80	
For 30 Degree Bend, Deduct	-20.22	
26 05 36 00-2528 EA 12" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	71.38	31.25
For 9" Rung Spacing, Add	0.86	
For 6" Rung Spacing, Add	3.67	
For 4" Rung Spacing, Add	6.72	
For 18" Rung Spacing, Deduct	-0.61	
For Solid Bottom, Add	14.37	
For Vented Trough Bottom, Add	15.65	
For 60 Degree Bend, Deduct	-12.76	
For 45 Degree Bend, Deduct	-17.80	
For 30 Degree Bend, Deduct	-22.83	
26 05 36 00-2529 EA 18" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	84.61	37.75
For 9" Rung Spacing, Add	0.98	
For 6" Rung Spacing, Add	4.21	
For 4" Rung Spacing, Add	7.72	
For 18" Rung Spacing, Deduct	-0.70	
For Solid Bottom, Add	16.90	
For Vented Trough Bottom, Add	18.30	
For 60 Degree Bend, Deduct	-14.92	
For 45 Degree Bend, Deduct	-20.83	
For 30 Degree Bend, Deduct	-26.75	
26 05 36 00-2530 EA 24" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	95.94	43.41
For 9" Rung Spacing, Add	1.08	
For 6" Rung Spacing, Add	4.63	
For 4" Rung Spacing, Add	8.49	
For 18" Rung Spacing, Deduct	-0.77	
For Solid Bottom, Add	19.02	
For Vented Trough Bottom, Add	20.48	
For 60 Degree Bend, Deduct	-16.70	
For 45 Degree Bend, Deduct	-23.35	
For 30 Degree Bend, Deduct	-30.00	
26 05 36 00-2531 EA 30" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	104.82	46.29
For 9" Rung Spacing, Add	1.24	
For 6" Rung Spacing, Add	5.32	
For 4" Rung Spacing, Add	9.76	
For 18" Rung Spacing, Deduct	-0.89	
For Solid Bottom, Add	21.05	
For Vented Trough Bottom, Add	22.86	
For 60 Degree Bend, Deduct	-18.64	
For 45 Degree Bend, Deduct	-26.02	
For 30 Degree Bend, Deduct	-33.39	
26 05 36 00-2532 EA 36" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	115.43	49.82
For 9" Rung Spacing, Add	1.43	
For 6" Rung Spacing, Add	6.11	
For 4" Rung Spacing, Add	11.21	
For 18" Rung Spacing, Deduct	-1.02	
For Solid Bottom, Add	23.43	
For Vented Trough Bottom, Add	25.64	
For 60 Degree Bend, Deduct	-20.92	
For 45 Degree Bend, Deduct	-29.13	
For 30 Degree Bend, Deduct	-37.35	

26 05 36 00-2533 Inside Or Outside Vertical Risers (26 05 36 00-2516)

26 05 36 00-2534 EA 6" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	76.85	21.33
For 9" Rung Spacing, Add	1.57	
For 6" Rung Spacing, Add	6.73	
For 4" Rung Spacing, Add	12.33	
For 18" Rung Spacing, Deduct	-1.12	
For Solid Bottom, Add	18.26	
For Vented Trough Bottom, Add	21.94	
For 60 Degree Bend, Deduct	-18.00	
For 45 Degree Bend, Deduct	-24.53	
For 30 Degree Bend, Deduct	-31.07	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2535	EA		9" Vertical Inside Or Outside Riser 90, Fiberglass	82.81	24.85
			For 9" Rung Spacing, Add	1.59	
			For 6" Rung Spacing, Add	6.82	
			For 4" Rung Spacing, Add	12.51	
			For 18" Rung Spacing, Deduct	-1.14	
			For Solid Bottom, Add	19.24	
			For Vented Trough Bottom, Add	22.86	
			For 60 Degree Bend, Deduct	-18.74	
			For 45 Degree Bend, Deduct	-25.61	
			For 30 Degree Bend, Deduct	-32.48	
26 05 36 00-2536	EA		12" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	93.04	31.25
			For 9" Rung Spacing, Add	1.61	
			For 6" Rung Spacing, Add	6.92	
			For 4" Rung Spacing, Add	12.68	
			For 18" Rung Spacing, Deduct	-1.15	
			For Solid Bottom, Add	20.87	
			For Vented Trough Bottom, Add	24.31	
			For 60 Degree Bend, Deduct	-19.91	
			For 45 Degree Bend, Deduct	-27.33	
			For 30 Degree Bend, Deduct	-34.75	
26 05 36 00-2537	EA		18" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	104.03	37.75
			For 9" Rung Spacing, Add	1.66	
			For 6" Rung Spacing, Add	7.13	
			For 4" Rung Spacing, Add	13.06	
			For 18" Rung Spacing, Deduct	-1.19	
			For Solid Bottom, Add	22.73	
			For Vented Trough Bottom, Add	26.07	
			For 60 Degree Bend, Deduct	-21.33	
			For 45 Degree Bend, Deduct	-29.38	
			For 30 Degree Bend, Deduct	-37.43	
26 05 36 00-2538	EA		24" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	113.82	43.41
			For 9" Rung Spacing, Add	1.71	
			For 6" Rung Spacing, Add	7.31	
			For 4" Rung Spacing, Add	13.41	
			For 18" Rung Spacing, Deduct	-1.22	
			For Solid Bottom, Add	24.39	
			For Vented Trough Bottom, Add	27.64	
			For 60 Degree Bend, Deduct	-22.60	
			For 45 Degree Bend, Deduct	-31.21	
			For 30 Degree Bend, Deduct	-39.83	
26 05 36 00-2539	EA		30" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	119.35	46.29
			For 9" Rung Spacing, Add	1.75	
			For 6" Rung Spacing, Add	7.50	
			For 4" Rung Spacing, Add	13.76	
			For 18" Rung Spacing, Deduct	-1.25	
			For Solid Bottom, Add	25.41	
			For Vented Trough Bottom, Add	28.67	
			For 60 Degree Bend, Deduct	-23.44	
			For 45 Degree Bend, Deduct	-32.41	
			For 30 Degree Bend, Deduct	-41.38	
26 05 36 00-2540	EA		36" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	129.93	49.82
			For 9" Rung Spacing, Add	1.93	
			For 6" Rung Spacing, Add	8.29	
			For 4" Rung Spacing, Add	15.20	
			For 18" Rung Spacing, Deduct	-1.38	
			For Solid Bottom, Add	27.78	
			For Vented Trough Bottom, Add	31.44	
			For 60 Degree Bend, Deduct	-25.70	
			For 45 Degree Bend, Deduct	-35.51	
			For 30 Degree Bend, Deduct	-45.33	
26 05 36 00-2541			Horizontal Tees (26 05 36 00-2516)		
26 05 36 00-2542	EA		6" Horizontal Tee, Fiberglass Cable Tray	118.70	53.33
			For 9" Rung Spacing, Add	1.35	
			For 6" Rung Spacing, Add	5.81	
			For 4" Rung Spacing, Add	10.64	
			For 18" Rung Spacing, Deduct	-0.97	
			For Solid Bottom, Add	23.61	
			For Vented Trough Bottom, Add	25.48	
26 05 36 00-2543	EA		9" Horizontal Tee, Fiberglass Cable Tray	134.10	62.61
			For 9" Rung Spacing, Add	1.41	
			For 6" Rung Spacing, Add	6.03	
			For 4" Rung Spacing, Add	11.06	
			For 18" Rung Spacing, Deduct	-1.01	
			For Solid Bottom, Add	26.15	
			For Vented Trough Bottom, Add	27.83	
26 05 36 00-2544	EA		12" Horizontal Tee, Fiberglass Cable Tray	153.77	74.67
			For 9" Rung Spacing, Add	1.46	
			For 6" Rung Spacing, Add	6.27	
			For 4" Rung Spacing, Add	11.49	
			For 18" Rung Spacing, Deduct	-1.04	
			For Solid Bottom, Add	29.33	
			For Vented Trough Bottom, Add	30.71	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2545	EA		18" Horizontal Tee, Fiberglass Cable Tray.....	171.83	83.94
			For 9" Rung Spacing, Add	1.61	
			For 6" Rung Spacing, Add	6.90	
			For 4" Rung Spacing, Add	12.64	
			For 18" Rung Spacing, Deduct	-1.15	
			For Solid Bottom, Add	32.67	
			For Vented Trough Bottom, Add	34.12	
26 05 36 00-2546	EA		24" Horizontal Tee, Fiberglass Cable Tray.....	180.51	87.46
			For 9" Rung Spacing, Add	1.73	
			For 6" Rung Spacing, Add	7.40	
			For 4" Rung Spacing, Add	13.56	
			For 18" Rung Spacing, Deduct	-1.23	
			For Solid Bottom, Add	34.47	
			For Vented Trough Bottom, Add	36.13	
26 05 36 00-2547	EA		30" Horizontal Tee, Fiberglass Cable Tray.....	193.15	92.47
			For 9" Rung Spacing, Add	1.91	
			For 6" Rung Spacing, Add	8.17	
			For 4" Rung Spacing, Add	14.98	
			For 18" Rung Spacing, Deduct	-1.36	
			For Solid Bottom, Add	37.15	
			For Vented Trough Bottom, Add	39.13	
26 05 36 00-2548	EA		36" Horizontal Tee, Fiberglass Cable Tray.....	209.53	99.62
			For 9" Rung Spacing, Add	2.11	
			For 6" Rung Spacing, Add	9.03	
			For 4" Rung Spacing, Add	16.56	
			For 18" Rung Spacing, Deduct	-1.51	
			For Solid Bottom, Add	40.46	
			For Vented Trough Bottom, Add	42.75	
26 05 36 00-2549			Horizontal Crosses (26 05 36 00-2516)		
26 05 36 00-2550	EA		6" Horizontal Cross, Fiberglass Cable Tray	188.26	92.47
			For 9" Rung Spacing, Add	1.74	
			For 6" Rung Spacing, Add	7.44	
			For 4" Rung Spacing, Add	13.64	
			For 18" Rung Spacing, Deduct	-1.24	
			For Solid Bottom, Add	35.68	
			For Vented Trough Bottom, Add	37.17	
26 05 36 00-2551	EA		9" Horizontal Cross, Fiberglass Cable Tray	200.39	99.62
			For 9" Rung Spacing, Add	1.79	
			For 6" Rung Spacing, Add	7.66	
			For 4" Rung Spacing, Add	14.04	
			For 18" Rung Spacing, Deduct	-1.28	
			For Solid Bottom, Add	37.72	
			For Vented Trough Bottom, Add	39.09	
26 05 36 00-2552	EA		12" Horizontal Cross, Fiberglass Cable Tray	212.53	106.77
			For 9" Rung Spacing, Add	1.84	
			For 6" Rung Spacing, Add	7.88	
			For 4" Rung Spacing, Add	14.45	
			For 18" Rung Spacing, Deduct	-1.31	
			For Solid Bottom, Add	39.76	
			For Vented Trough Bottom, Add	41.01	
26 05 36 00-2553	EA		18" Horizontal Cross, Fiberglass Cable Tray	227.39	113.81
			For 9" Rung Spacing, Add	1.99	
			For 6" Rung Spacing, Add	8.51	
			For 4" Rung Spacing, Add	15.60	
			For 18" Rung Spacing, Deduct	-1.42	
			For Solid Bottom, Add	42.62	
			For Vented Trough Bottom, Add	44.02	
26 05 36 00-2554	EA		24" Horizontal Cross, Fiberglass Cable Tray	241.27	120.95
			For 9" Rung Spacing, Add	2.10	
			For 6" Rung Spacing, Add	8.99	
			For 4" Rung Spacing, Add	16.48	
			For 18" Rung Spacing, Deduct	-1.50	
			For Solid Bottom, Add	45.18	
			For Vented Trough Bottom, Add	46.64	
26 05 36 00-2555	EA		30" Horizontal Cross, Fiberglass Cable Tray	257.24	128.10
			For 9" Rung Spacing, Add	2.28	
			For 6" Rung Spacing, Add	9.79	
			For 4" Rung Spacing, Add	17.94	
			For 18" Rung Spacing, Deduct	-1.63	
			For Solid Bottom, Add	48.37	
			For Vented Trough Bottom, Add	50.10	
26 05 36 00-2556	EA		36" Horizontal Cross, Fiberglass Cable Tray	277.94	137.27
			For 9" Rung Spacing, Add	2.52	
			For 6" Rung Spacing, Add	10.81	
			For 4" Rung Spacing, Add	19.82	
			For 18" Rung Spacing, Deduct	-1.80	
			For Solid Bottom, Add	52.50	
			For Vented Trough Bottom, Add	54.56	

26 05 36 00-2557 Horizontal Wyes (26 05 36 00-2516)



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2558	EA	6" Horizontal Wye, Fiberglass Cable Tray	114.78	53.33
		For 9" Rung Spacing, Add	1.22	
		For 6" Rung Spacing, Add	5.22	
		For 4" Rung Spacing, Add	9.57	
		For 18" Rung Spacing, Deduct	-0.87	
		For Solid Bottom, Add	22.44	
		For Vented Trough Bottom, Add	23.91	
26 05 36 00-2559	EA	9" Horizontal Wye, Fiberglass Cable Tray	121.53	56.95
		For 9" Rung Spacing, Add	1.27	
		For 6" Rung Spacing, Add	5.43	
		For 4" Rung Spacing, Add	9.96	
		For 18" Rung Spacing, Deduct	-0.91	
		For Solid Bottom, Add	23.66	
		For Vented Trough Bottom, Add	25.15	
26 05 36 00-2560	EA	12" Horizontal Wye, Fiberglass Cable Tray	149.57	74.67
		For 9" Rung Spacing, Add	1.32	
		For 6" Rung Spacing, Add	5.64	
		For 4" Rung Spacing, Add	10.33	
		For 18" Rung Spacing, Deduct	-0.94	
		For Solid Bottom, Add	28.07	
		For Vented Trough Bottom, Add	29.03	
26 05 36 00-2561	EA	18" Horizontal Wye, Fiberglass Cable Tray	167.23	83.94
		For 9" Rung Spacing, Add	1.45	
		For 6" Rung Spacing, Add	6.20	
		For 4" Rung Spacing, Add	11.37	
		For 18" Rung Spacing, Deduct	-1.03	
		For Solid Bottom, Add	31.29	
		For Vented Trough Bottom, Add	32.28	
26 05 36 00-2562	EA	24" Horizontal Wye, Fiberglass Cable Tray	175.48	87.46
		For 9" Rung Spacing, Add	1.55	
		For 6" Rung Spacing, Add	6.64	
		For 4" Rung Spacing, Add	12.18	
		For 18" Rung Spacing, Deduct	-1.11	
		For Solid Bottom, Add	32.97	
		For Vented Trough Bottom, Add	34.11	
26 05 36 00-2563	EA	30" Horizontal Wye, Fiberglass Cable Tray	187.70	92.47
		For 9" Rung Spacing, Add	1.72	
		For 6" Rung Spacing, Add	7.36	
		For 4" Rung Spacing, Add	13.49	
		For 18" Rung Spacing, Deduct	-1.23	
		For Solid Bottom, Add	35.51	
		For Vented Trough Bottom, Add	36.95	
26 05 36 00-2564	EA	36" Horizontal Wye, Fiberglass Cable Tray	203.51	99.62
		For 9" Rung Spacing, Add	1.90	
		For 6" Rung Spacing, Add	8.13	
		For 4" Rung Spacing, Add	14.90	
		For 18" Rung Spacing, Deduct	-1.35	
		For Solid Bottom, Add	38.65	
		For Vented Trough Bottom, Add	40.34	
26 05 36 00-2565		Straight Reducers (26 05 36 00-2516)		
26 05 36 00-2566	EA	9"-6" Reducer, Fiberglass Cable Tray	51.70	21.33
		For 9" Rung Spacing, Add	0.69	
		For 6" Rung Spacing, Add	2.96	
		For 4" Rung Spacing, Add	5.42	
		For 18" Rung Spacing, Deduct	-0.49	
		For Solid Bottom, Add	10.71	
		For Vented Trough Bottom, Add	11.88	
26 05 36 00-2567	EA	12"-9" Reducer, Fiberglass Cable Tray	57.32	24.85
		For 9" Rung Spacing, Add	0.70	
		For 6" Rung Spacing, Add	3.00	
		For 4" Rung Spacing, Add	5.50	
		For 18" Rung Spacing, Deduct	-0.50	
		For Solid Bottom, Add	11.60	
		For Vented Trough Bottom, Add	12.66	
26 05 36 00-2568	EA	18"-12" Reducer, Fiberglass Cable Tray	62.93	28.48
		For 9" Rung Spacing, Add	0.71	
		For 6" Rung Spacing, Add	3.04	
		For 4" Rung Spacing, Add	5.57	
		For 18" Rung Spacing, Deduct	-0.51	
		For Solid Bottom, Add	12.48	
		For Vented Trough Bottom, Add	13.44	
26 05 36 00-2569	EA	24"-18" Reducer, Fiberglass Cable Tray	67.89	31.25
		For 9" Rung Spacing, Add	0.73	
		For 6" Rung Spacing, Add	3.14	
		For 4" Rung Spacing, Add	5.76	
		For 18" Rung Spacing, Deduct	-0.52	
		For Solid Bottom, Add	13.33	
		For Vented Trough Bottom, Add	14.25	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2570 EA 30"-24" Reducer, Fiberglass Cable Tray.....	75.65	34.14
For 9" Rung Spacing, Add	0.86	
For 6" Rung Spacing, Add	3.67	
For 4" Rung Spacing, Add	6.72	
For 18" Rung Spacing, Deduct	-0.61	
For Solid Bottom, Add	15.02	
For Vented Trough Bottom, Add	16.18	
26 05 36 00-2571 EA 36"-30" Reducer, Fiberglass Cable Tray.....	84.93	37.75
For 9" Rung Spacing, Add	0.99	
For 6" Rung Spacing, Add	4.26	
For 4" Rung Spacing, Add	7.81	
For 18" Rung Spacing, Deduct	-0.71	
For Solid Bottom, Add	17.00	
For Vented Trough Bottom, Add	18.43	
26 05 36 00-2572 Vertical Tees (26 05 36 00-2516)		
26 05 36 00-2573 EA 6" Vertical Tee, Fiberglass Cable Tray.....	153.90	53.33
For 9" Rung Spacing, Add	2.59	
For 6" Rung Spacing, Add	11.09	
For 4" Rung Spacing, Add	20.33	
For 18" Rung Spacing, Deduct	-1.85	
For Solid Bottom, Add	34.17	
For Vented Trough Bottom, Add	39.56	
26 05 36 00-2574 EA 9" Vertical Tee, Fiberglass Cable Tray.....	160.15	56.95
For 9" Rung Spacing, Add	2.62	
For 6" Rung Spacing, Add	11.22	
For 4" Rung Spacing, Add	20.58	
For 18" Rung Spacing, Deduct	-1.87	
For Solid Bottom, Add	35.25	
For Vented Trough Bottom, Add	40.60	
26 05 36 00-2575 EA 12" Vertical Tee, Fiberglass Cable Tray.....	187.72	74.67
For 9" Rung Spacing, Add	2.65	
For 6" Rung Spacing, Add	11.36	
For 4" Rung Spacing, Add	20.83	
For 18" Rung Spacing, Deduct	-1.89	
For Solid Bottom, Add	39.52	
For Vented Trough Bottom, Add	44.29	
26 05 36 00-2576 EA 18" Vertical Tee, Fiberglass Cable Tray.....	203.69	83.94
For 9" Rung Spacing, Add	2.72	
For 6" Rung Spacing, Add	11.67	
For 4" Rung Spacing, Add	21.40	
For 18" Rung Spacing, Deduct	-1.95	
For Solid Bottom, Add	42.23	
For Vented Trough Bottom, Add	46.86	
26 05 36 00-2577 EA 24" Vertical Tee, Fiberglass Cable Tray.....	210.97	87.46
For 9" Rung Spacing, Add	2.79	
For 6" Rung Spacing, Add	11.97	
For 4" Rung Spacing, Add	21.94	
For 18" Rung Spacing, Deduct	-1.99	
For Solid Bottom, Add	43.61	
For Vented Trough Bottom, Add	48.31	
26 05 36 00-2578 EA 30" Vertical Tee, Fiberglass Cable Tray.....	220.26	92.47
For 9" Rung Spacing, Add	2.86	
For 6" Rung Spacing, Add	12.24	
For 4" Rung Spacing, Add	22.44	
For 18" Rung Spacing, Deduct	-2.04	
For Solid Bottom, Add	45.28	
For Vented Trough Bottom, Add	49.97	
26 05 36 00-2579 EA 36" Vertical Tee, Fiberglass Cable Tray.....	239.48	99.62
For 9" Rung Spacing, Add	3.16	
For 6" Rung Spacing, Add	13.52	
For 4" Rung Spacing, Add	24.79	
For 18" Rung Spacing, Deduct	-2.25	
For Solid Bottom, Add	49.44	
For Vented Trough Bottom, Add	54.73	
26 05 36 00-2580 Flextray™ Cable Tray (26 05 36 00-0001)		
26 05 36 00-2581 Flextray™ Cable Tray Straight Sections (26 05 36 00-2580)		
Note: Includes splicing and splice bars.		
26 05 36 00-2582 LF 2" Deep x 2" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish.....	22.70	6.72
26 05 36 00-2583 LF 2" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish.....	28.80	7.17
26 05 36 00-2584 LF 2" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish.....	30.27	7.49
26 05 36 00-2585 LF 2" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish.....	31.82	7.87
26 05 36 00-2586 LF 2" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish.....	34.11	8.25
26 05 36 00-2587 LF 2" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish.....	36.70	8.64
26 05 36 00-2588 LF 2" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish.....	37.49	9.02
26 05 36 00-2589 LF 2" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish.....	38.95	9.28
26 05 36 00-2590 LF 2" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish.....	39.76	9.53
26 05 36 00-2591 LF 4" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish.....	29.96	7.89
26 05 36 00-2592 LF 4" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish.....	32.69	8.21
26 05 36 00-2593 LF 4" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish.....	35.52	8.64
26 05 36 00-2594 LF 4" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish.....	37.74	9.06



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2595 LF 4" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	40.19	9.49
26 05 36 00-2596 LF 4" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	43.50	9.91
26 05 36 00-2597 LF 4" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	46.11	10.24
26 05 36 00-2598 LF 4" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	48.01	10.46
26 05 36 00-2599 LF 4" Deep x 30" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	61.56	11.20
26 05 36 00-2600 LF 6" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	39.49	9.49
26 05 36 00-2601 LF 6" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	45.07	9.91
26 05 36 00-2602 LF 6" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	47.16	10.35
26 05 36 00-2603 LF 6" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	50.91	10.88
26 05 36 00-2604 LF 6" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	52.57	11.09
26 05 36 00-2605 LF 6" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	64.84	11.41
26 05 36 00-2606 Flextray™ Cable Tray Bends (26 05 36 00-2580)		
Note: Includes field fabricated bend and 90 degree kit.		
26 05 36 00-2607 EA 2" Deep x 2" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	17.04	5.01
Note: Field Fabricated		
26 05 36 00-2608 EA 2" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	21.61	5.33
Note: Field Fabricated		
26 05 36 00-2609 EA 2" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	30.27	7.47
Note: Field Fabricated		
26 05 36 00-2610 EA 2" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	47.78	11.84
Note: Field Fabricated		
26 05 36 00-2611 EA 2" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	68.24	16.53
Note: Field Fabricated		
26 05 36 00-2612 EA 2" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	91.78	21.65
Note: Field Fabricated		
26 05 36 00-2613 EA 2" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	104.62	27.09
Note: Field Fabricated		
26 05 36 00-2614 EA 2" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	124.62	32.53
Note: Field Fabricated		
26 05 36 00-2615 EA 2" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	159.08	38.19
Note: Field Fabricated		
26 05 36 00-2616 EA 4" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	22.43	5.86
Note: Field Fabricated		
26 05 36 00-2617 EA 4" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	32.72	8.21
Note: Field Fabricated		
26 05 36 00-2618 EA 4" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	53.27	13.01
Note: Field Fabricated		
26 05 36 00-2619 EA 4" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	75.50	18.14
Note: Field Fabricated		
26 05 36 00-2620 EA 4" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	100.44	23.79
Note: Field Fabricated		
26 05 36 00-2621 EA 4" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	121.05	29.75
Note: Field Fabricated		
26 05 36 00-2622 EA 4" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	146.80	35.73
Note: Field Fabricated		
26 05 36 00-2623 EA 4" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	192.04	41.92
Note: Field Fabricated		
26 05 36 00-2624 EA 4" Deep x 30" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	307.88	56.00
Note: Field Fabricated		
26 05 36 00-2625 EA 6" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	59.18	14.19
Note: Field Fabricated		
26 05 36 00-2626 EA 6" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	90.18	19.84
Note: Field Fabricated		
26 05 36 00-2627 EA 6" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	117.90	25.92
Note: Field Fabricated		
26 05 36 00-2628 EA 6" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	141.26	32.53
Note: Field Fabricated		
26 05 36 00-2629 EA 6" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	166.97	38.93
Note: Field Fabricated		
26 05 36 00-2630 EA 6" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	259.36	45.75
Note: Field Fabricated		
26 05 36 00-2631 Flextray™ Cable Tray Brackets (26 05 36 00-2580)		
26 05 36 00-2632 EA 6" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	42.17	14.08
26 05 36 00-2633 EA 8" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	45.25	14.08
26 05 36 00-2634 EA 12" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	50.52	14.08
26 05 36 00-2635 EA 16" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	62.23	15.36
26 05 36 00-2636 EA 18" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	66.83	15.36
26 05 36 00-2637 EA 20" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	68.37	15.36
26 05 36 00-2638 EA 24" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	69.73	15.36
26 05 39 Underfloor Raceways for Electrical Systems (26 05)		
26 05 39 00-0001 Underfloor Ducts (26 05 39)		
26 05 39 00-0002 Straight Duct Sections 10' Long, 14 Gauge Steel (26 05 39 00-0001)		
26 05 39 00-0003 Standard Ducts, 3.8 Square Inches (26 05 39 00-0002)		
26 05 39 00-0004 EA Standard Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 3.8 Square Inches	85.05	18.78

26 Electrical**26 05 Common Work Results for Electrical****26 05 39 Underfloor Raceways for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0005 EA Standard Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 3.8 Square Inches	106.60	21.98
26 05 39 00-0006 Large Capacity Ducts, 8.9 Square Inches (26 05 39 00-0002)		
26 05 39 00-0007 EA Large Capacity Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 8.9 Square Inches.....	139.56	23.79
26 05 39 00-0008 EA Large Capacity Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 8.9 Square Inches	159.58	26.35
26 05 39 00-0009 Junction Boxes (26 05 39 00-0001)		
26 05 39 00-0010 One Level Junction Boxes (26 05 39 00-0009)		
26 05 39 00-0011 EA 1 Level UF Duct Junction Box, 1 Standard Duct Without Partitions In Box	213.06	37.33
26 05 39 00-0012 EA 1 Level UF Duct Junction Box, 1 Large Duct Without Partitions In Box	240.53	40.00
26 05 39 00-0013 EA 1 Level UF Duct Junction Box, 1 Standard And Large Duct Per Side With Partitions In Box.....	379.15	37.33
Note: Isolate each duct and form a continuous raceway through the box in both directions.		
26 05 39 00-0014 EA 1 Level UF Duct Junction Box, 2 Standard Ducts Per Side With Partitions In Box.....	262.20	40.00
26 05 39 00-0015 EA 1 Level UF Duct Junction Box, 3 Standard Ducts Per Side With Partitions In Box.....	413.03	52.58
26 05 39 00-0016 EA 1 Level UF Duct Junction Box, 2 Large Ducts Per Side With Partitions In Box Duct.....	574.71	57.17
26 05 39 00-0017 Two Level Junction Boxes (26 05 39 00-0009)		
26 05 39 00-0018 EA 2 Level UF Duct Junction Box, 2 Standard Duct Cross, Intersects At Right Angles, Raceway Bottom Level.....	861.39	37.75
Note: Accepts two standard ducts to form a continuous raceway at right angles to the top level raceway.		
26 05 39 00-0019 EA 2 Level UF Duct Junction Box, 2 Large Duct Bottom Level: Accepts Two Large Capacity Ducts.....	990.12	40.00
26 05 39 00-0020 Elbow Fittings (26 05 39 00-0001)		
26 05 39 00-0021 90 Degree Horizontal Elbow (26 05 39 00-0020)		
26 05 39 00-0022 EA Underfloor Standard Duct Horizontal Elbow Fitting, 90 Degree	102.76	13.75
26 05 39 00-0023 EA Underfloor Large Duct Horizontal Elbow Fitting, 90 Degree.....	105.74	13.75
26 05 39 00-0024 90 Degree Vertical Elbow (26 05 39 00-0020)		
26 05 39 00-0025 EA Underfloor Standard Duct Vertical Elbow Fitting, 90 Degree	59.44	13.75
26 05 39 00-0026 EA Underfloor Large Duct Vertical Elbow Fitting, 90 Degree.....	60.63	13.75
26 05 39 00-0027 Offset Elbow (26 05 39 00-0020)		
Note: Two elbows required for crossover or crossunder.		
26 05 39 00-0028 EA Underfloor Standard Duct Offset Elbow 45 Degree, 2 Required For Over-Under	59.44	16.00
26 05 39 00-0029 EA Underfloor Large Duct Offset Elbow 45 Degree, 2 Required For Over-Under	60.63	16.00
26 05 39 00-0030 Couplings (26 05 39 00-0001)		
26 05 39 00-0031 Sleeve Couplings (26 05 39 00-0030)		
26 05 39 00-0032 EA Underfloor Standard Duct Sleeve Coupling	40.14	21.33
26 05 39 00-0033 EA Underfloor Large Duct Sleeve Couplings.....	63.07	21.33
26 05 39 00-0034 Expansion Couplings (26 05 39 00-0030)		
26 05 39 00-0035 EA Underfloor Standard Duct Expansion Coupling.....	86.05	21.33
26 05 39 00-0036 EA Underfloor Large Duct Expansion Coupling	87.53	22.51
26 05 39 00-0037 Reducing Couplings (26 05 39 00-0030)		
26 05 39 00-0038 EA Reducing Coupling, Large To Standard Duct Underfloor Duct Coupling.....	77.20	3.20
26 05 39 00-0039 Duct Supports (26 05 39 00-0001)		
26 05 39 00-0040 Combination Support And Coupling (26 05 39 00-0039)		
Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0041 EA 1 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	92.41	44.79
26 05 39 00-0042 EA 2 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	103.32	44.79
26 05 39 00-0043 EA 3 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	114.31	44.79
26 05 39 00-0044 EA 1 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet.....	103.32	50.13
26 05 39 00-0045 EA 2 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet.....	125.55	50.13
26 05 39 00-0046 EA 1 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet.....	114.31	53.33
26 05 39 00-0047 EA 2 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet.....	114.31	53.33
26 05 39 00-0048 EA 1 Standard And 2 Large Duct Support And Coupling With Leveling Legs And Anchor Feet.....	125.55	53.33
26 05 39 00-0049 Duct Support Only (26 05 39 00-0039)		
Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0050 EA 1 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	82.79	39.47
26 05 39 00-0051 EA 2 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	97.30	39.47
26 05 39 00-0052 EA 3 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	112.75	39.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0053 Underfloor Duct Accessories (26 05 39 00-0001)		
26 05 39 00-0054 Plugs For Unused Junction Box Openings And Duct Ends (26 05 39 00-0053)		
26 05 39 00-0055 EA Standard Plugs For Unused Junction Box Opening And Underfloor Duct Ends	25.25	3.20
26 05 39 00-0056 EA Large Plugs For Unused Junction Box Opening And Underfloor Duct Ends.....	25.81	3.20
26 05 39 00-0057 Conduit Adapters (26 05 39 00-0053)		
26 05 39 00-0058 EA One 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	30.55	5.33
26 05 39 00-0059 EA Two 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	32.55	5.33
26 05 39 00-0060 EA One 2" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter.....	31.65	5.33
26 05 39 00-0061 EA Three 1-1/4" Conduit To Large Duct Underfloor Conduit To Duct, Adapter	32.77	5.33
26 05 39 00-0062 Holders And Caps (26 05 39 00-0053)		
26 05 39 00-0063 EA Tile Holder, Underfloor Duct Accessories	202.36	44.79
26 05 39 00-0064 EA Terrazzo Holder, Underfloor Duct Accessories	374.00	44.79
26 05 39 00-0065 EA Closing Caps For Inserts, Underfloor Duct Accessories	2.68	1.06
26 05 39 00-0066 Underfloor Dust Pans (26 05 39 00-0001)		
26 05 39 00-0067 EA Underfloor Dust Carpet Pan.....	83.70	5.85
26 05 43 Underground Ducts and Raceways for Electrical Systems (26 05)		
Note: Underground utilities and conduits include warning tape.		
26 05 43 00-0001 Precast Concrete Trenches, One Piece Pedestrian Trench (26 05 43)		
Note: Rated for 200 PSF Pedestrian Weight. Excludes excavation, removal of dirt and sand bedding.		
26 05 43 00-0002 10" Wide Pedestrian Trench (26 05 43 00-0001)		
26 05 43 00-0003 LF Base, Solid Bottom 10" Wide x 15" Deep Pedestrian Trench	63.30	
26 05 43 00-0004 LF Base, Open Bottom 10" Wide x 15" Deep Pedestrian Trench.....	60.80	
26 05 43 00-0005 LF Base, Solid Bottom 10" Wide x 24" Deep Pedestrian Trench	87.90	
26 05 43 00-0006 LF Base, Open Bottom 10" Wide x 24" Deep Pedestrian Trench.....	84.44	
26 05 43 00-0007 EA End Wall, 10" Wide x 15" Deep Pedestrian Trench	44.84	
26 05 43 00-0008 EA End Wall, 10" Wide x 24" Deep Pedestrian Trench	54.38	
26 05 43 00-0009 LF Lid, Concrete, 10" Wide Pedestrian Trench	42.20	
26 05 43 00-0010 20" Wide Pedestrian Trench (26 05 43 00-0001)		
26 05 43 00-0011 LF Base, Solid Bottom 20" Wide x 15" Deep Pedestrian Trench	80.98	
26 05 43 00-0012 LF Base, Open Bottom 20" Wide x 15" Deep Pedestrian Trench.....	76.57	
26 05 43 00-0013 LF Base, Solid Bottom 20" Wide x 24" Deep Pedestrian Trench	110.46	
26 05 43 00-0014 LF Base, Open Bottom 20" Wide x 24" Deep Pedestrian Trench.....	106.44	
26 05 43 00-0015 EA End Wall, 20" Wide x 15" Deep Pedestrian Trench	56.93	
26 05 43 00-0016 EA End Wall, 20" Wide x 24" Deep Pedestrian Trench	82.83	
26 05 43 00-0017 LF Lid, Concrete, 20" Wide Pedestrian Trench	52.78	
26 05 43 00-0018 30" Wide Pedestrian Trench (26 05 43 00-0001)		
26 05 43 00-0019 LF Base, Solid Bottom 30" Wide x 15" Deep Pedestrian Trench	105.35	
26 05 43 00-0020 LF Base, Open Bottom 30" Wide x 15" Deep Pedestrian Trench.....	121.50	
26 05 43 00-0021 LF Base, Solid Bottom 30" Wide x 24" Deep Pedestrian Trench	131.39	
26 05 43 00-0022 LF Base, Open Bottom 30" Wide x 24" Deep Pedestrian Trench.....	126.82	
26 05 43 00-0023 EA End Wall, 30" Wide x 15" Deep Pedestrian Trench	82.27	
26 05 43 00-0024 EA End Wall, 30" Wide x 24" Deep Pedestrian Trench	109.82	
26 05 43 00-0025 LF Lid, Concrete, 30" Wide Pedestrian Trench	65.63	
26 05 43 00-0026 40" Wide Pedestrian Trench (26 05 43 00-0001)		
26 05 43 00-0027 LF Base, Solid Bottom 40" Wide x 15" Deep Pedestrian Trench	127.28	
26 05 43 00-0028 LF Base, Open Bottom 40" Wide x 15" Deep Pedestrian Trench.....	123.12	
26 05 43 00-0029 LF Base, Solid Bottom 40" Wide x 24" Deep Pedestrian Trench	155.67	
26 05 43 00-0030 LF Base, Open Bottom 40" Wide x 24" Deep Pedestrian Trench.....	150.58	
26 05 43 00-0031 EA End Wall, 40" Wide x 15" Deep Pedestrian Trench	105.32	
26 05 43 00-0032 EA End Wall, 40" Wide x 24" Deep Pedestrian Trench	140.44	
26 05 43 00-0033 LF Lid, Concrete, 40" Wide Pedestrian Trench	77.99	
26 05 43 00-0034 Precast Concrete Trenches, One Piece Medium Vehicle Trench (26 05 43)		
Note: Rated for 7000 lbs Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.		
26 05 43 00-0035 10" Wide Medium Vehicle Trench (26 05 43 00-0034)		
26 05 43 00-0036 LF Base, Solid Bottom 10" Wide x 15" Deep Medium Vehicle Trench	75.54	
26 05 43 00-0037 LF Base, Open Bottom 10" Wide x 15" Deep Medium Vehicle Trench	72.30	
26 05 43 00-0038 LF Base, Solid Bottom 10" Wide x 24" Deep Medium Vehicle Trench	104.88	
26 05 43 00-0039 LF Base Open Bottom 10" Wide x 24" Deep Medium Vehicle Trench	100.41	
26 05 43 00-0040 EA End Wall, 10" Wide x 15" Deep Medium Vehicle Trench	51.64	

26 Electrical**26 05 Common Work Results for Electrical****26 05 43 Underground Ducts and Raceways for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0041 EA End Wall, 10" Wide x 24" Deep Medium Vehicle Trench	61.51	
26 05 43 00-0042 LF Lid, Concrete 10" Wide Medium Vehicle Trench	50.36	
26 05 43 00-0043 LF Lid, Galvanized Steel 10" Wide Medium Vehicle Trench	208.68	
26 05 43 00-0044 20" Wide Medium Vehicle Trench (26 05 43 00-0034)		
26 05 43 00-0045 LF Base, Solid Bottom 20" Wide x 15" Deep Medium Vehicle Trench	95.92	
26 05 43 00-0046 LF Base, Open Bottom 20" Wide x 15" Deep Medium Vehicle Trench	90.23	
26 05 43 00-0047 LF Base, Solid Bottom 20" Wide x 24" Deep Medium Vehicle Trench	130.16	
26 05 43 00-0048 LF Base Open Bottom 20" Wide x 24" Deep Medium Vehicle Trench	124.97	
26 05 43 00-0049 EA End Wall, 20" Wide x 15" Deep Medium Vehicle Trench	64.80	
26 05 43 00-0050 EA End Wall, 20" Wide x 24" Deep Medium Vehicle Trench	94.41	
26 05 43 00-0051 LF Lid, Concrete 20" Wide Medium Vehicle Trench	62.97	
26 05 43 00-0052 LF Lid, Galvanized Steel 20" Wide Medium Vehicle Trench	276.50	
26 05 43 00-0053 30" Wide Medium Vehicle Trench (26 05 43 00-0034)		
26 05 43 00-0054 LF Base, Solid Bottom 30" Wide x 15" Deep Medium Vehicle Trench	100.81	
26 05 43 00-0055 LF Base, Open Bottom 30" Wide x 15" Deep Medium Vehicle Trench	118.35	
26 05 43 00-0056 LF Base, Solid Bottom 30" Wide x 24" Deep Medium Vehicle Trench	153.81	
26 05 43 00-0057 LF Base Open Bottom 30" Wide x 24" Deep Medium Vehicle Trench	147.90	
26 05 43 00-0058 EA End Wall, 30" Wide x 15" Deep Medium Vehicle Trench	93.13	
26 05 43 00-0059 EA End Wall, 30" Wide x 24" Deep Medium Vehicle Trench	125.89	
26 05 43 00-0060 LF Lid, Concrete 30" Wide Medium Vehicle Trench	78.54	
26 05 43 00-0061 LF Lid, Galvanized Steel 30" Wide Medium Vehicle Trench	344.99	
26 05 43 00-0062 40" Wide Medium Vehicle Trench (26 05 43 00-0034)		
26 05 43 00-0063 LF Base, Solid Bottom 40" Wide x 15" Deep Medium Vehicle Trench	147.66	
26 05 43 00-0064 LF Base, Open Bottom 40" Wide x 15" Deep Medium Vehicle Trench	142.28	
26 05 43 00-0065 LF Base, Solid Bottom 40" Wide x 24" Deep Medium Vehicle Trench	180.66	
26 05 43 00-0066 LF Base Open Bottom 40" Wide x 24" Deep Medium Vehicle Trench	174.07	
26 05 43 00-0067 EA End Wall, 40" Wide x 15" Deep Medium Vehicle Trench	119.22	
26 05 43 00-0068 EA End Wall, 40" Wide x 24" Deep Medium Vehicle Trench	160.96	
26 05 43 00-0069 LF Lid, Concrete 40" Wide Medium Vehicle Trench	92.93	
26 05 43 00-0070 LF Lid, Galvanized Steel 40" Wide Medium Vehicle Trench	468.53	
26 05 43 00-0071 Precast Concrete Trenches, One Piece H20 Road Crossing Trench (26 05 43)		
Note: H20 Rated for 32000 lbs Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.		
26 05 43 00-0072 10" Wide H20 Road Crossing Trench (26 05 43 00-0071)		
26 05 43 00-0073 LF Base, Solid Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	156.22	
26 05 43 00-0074 LF Base, Open Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	148.97	
26 05 43 00-0075 LF Base, Solid Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	196.01	
26 05 43 00-0076 LF Base, Open Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	186.86	
26 05 43 00-0077 LF Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	150.25	
26 05 43 00-0078 LF Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	143.34	
26 05 43 00-0079 LF Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	190.03	
26 05 43 00-0080 LF Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	181.26	
26 05 43 00-0081 EA End Wall for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	105.41	
26 05 43 00-0082 EA End Wall for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	142.89	
26 05 43 00-0083 EA End Wall for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	95.93	
26 05 43 00-0084 EA End Wall for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	133.21	
26 05 43 00-0085 LF Lid, Concrete 10" Wide Road Crossing Trench	73.38	
26 05 43 00-0086 LF Lid, Galvanized Steel 10" Wide Road Crossing Trench	226.19	
26 05 43 00-0087 20" Wide H20 Road Crossing Trench (26 05 43 00-0071)		
26 05 43 00-0088 LF Base, Solid Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	167.64	
26 05 43 00-0089 LF Base, Open Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	160.20	
26 05 43 00-0090 LF Base, Solid Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	222.79	
26 05 43 00-0091 LF Base, Open Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	212.84	
26 05 43 00-0092 LF Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	167.64	
26 05 43 00-0093 LF Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	160.20	
26 05 43 00-0094 LF Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	216.82	
26 05 43 00-0095 LF Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	207.24	
26 05 43 00-0096 EA End Wall for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	150.31	
26 05 43 00-0097 EA End Wall for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	205.26	
26 05 43 00-0098 EA End Wall for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	136.51	
26 05 43 00-0099 EA End Wall for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	191.46	
26 05 43 00-0100 LF Lid, Concrete 20" Wide Road Crossing Trench	82.38	
26 05 43 00-0101 LF Lid, Galvanized Steel 20" Wide Road Crossing Trench	334.81	
26 05 43 00-0102 30" Wide H20 Road Crossing Trench (26 05 43 00-0071)		
26 05 43 00-0103 LF Base, Solid Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	200.70	
26 05 43 00-0104 LF Base, Open Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	192.19	
26 05 43 00-0105 LF Base, Solid Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	247.93	
26 05 43 00-0106 LF Base, Open Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	237.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0107 LF Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	194.73	
26 05 43 00-0108 LF Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	186.57	
26 05 43 00-0109 LF Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	241.95	
26 05 43 00-0110 LF Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	231.55	
26 05 43 00-0111 EA End Wall for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	201.92	
26 05 43 00-0112 EA End Wall for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	266.00	
26 05 43 00-0113 EA End Wall for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	183.79	
26 05 43 00-0114 EA End Wall for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	247.87	
26 05 43 00-0115 LF Lid, Concrete 30" Wide Road Crossing Trench	103.93	
26 05 43 00-0116 LF Lid, Galvanized Steel 30" Wide Road Crossing Trench	419.64	
26 05 43 00-0117 40" Wide H20 Road Crossing Trench (26 05 43 00-0071)		
26 05 43 00-0118 LF Base, Solid Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	223.85	
26 05 43 00-0119 LF Base, Open Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	214.70	
26 05 43 00-0120 LF Base, Solid Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	275.38	
26 05 43 00-0121 LF Base, Open Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	263.90	
26 05 43 00-0122 LF Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	217.87	
26 05 43 00-0123 LF Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	209.10	
26 05 43 00-0124 LF Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	269.40	
26 05 43 00-0125 LF Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	258.28	
26 05 43 00-0126 EA End Wall for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	251.09	
26 05 43 00-0127 EA End Wall for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	330.53	
26 05 43 00-0128 EA End Wall for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	228.84	
26 05 43 00-0129 EA End Wall for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	308.28	
26 05 43 00-0130 LF Lid, Concrete 40" Wide Road Crossing Trench	125.79	
26 05 43 00-0131 LF Lid, Galvanized Steel 40" Wide Road Crossing Trench	570.11	
26 05 43 00-0132 Duct Bank (26 05 43)		
Note: Installation of single or multiple configuration underground utility raceways to have 3" concrete leveling base and encased in concrete envelope. Based on 100' run, minimum 30" bury depth. Labor units include material handling, unloading at job site, layout of job, measuring, cutting and fabrication, installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations.		
26 05 43 00-0133 Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank (26 05 43 00-0132)		
Note: Includes appropriate spacers and fittings.		
26 05 43 00-0134 LF 2 At 2", Rigid Galvanized Conduit Duct Bank	32.05	
26 05 43 00-0135 LF 4 At 2", Rigid Galvanized Conduit Duct Bank	64.12	
26 05 43 00-0136 LF 2 At 3", Rigid Galvanized Conduit Duct Bank	66.26	
26 05 43 00-0137 LF 4 At 3", Rigid Galvanized Conduit Duct Bank	132.90	
26 05 43 00-0138 LF 2 At 4", Rigid Galvanized Conduit Duct Bank	97.58	
26 05 43 00-0139 LF 4 At 4", Rigid Galvanized Conduit Duct Bank	196.15	
26 05 43 00-0140 LF 6 At 4", Rigid Galvanized Conduit Duct Bank	294.68	
26 05 43 00-0141 LF 2 At 5", Rigid Galvanized Conduit Duct Bank	184.43	
26 05 43 00-0142 LF 4 At 5", Rigid Galvanized Conduit Duct Bank	367.87	
26 05 43 00-0143 LF 6 At 5", Rigid Galvanized Conduit Duct Bank	565.54	
26 05 43 00-0144 LF 2 At 6", Rigid Galvanized Conduit Duct Bank	261.97	
26 05 43 00-0145 LF 4 At 6", Rigid Galvanized Conduit Duct Bank	525.87	
26 05 43 00-0146 LF 6 At 6", Rigid Galvanized Conduit Duct Bank	782.92	
26 05 43 00-0147 Polyvinyl Chloride (PVC), Type EB Duct Bank System (26 05 43 00-0132)		
Note: Includes appropriate spacers and fittings.		
26 05 43 00-0148 LF 1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	6.82	
26 05 43 00-0149 LF 2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	14.99	
26 05 43 00-0150 LF 4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	28.77	
26 05 43 00-0151 LF 1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	9.02	
26 05 43 00-0152 LF 2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	18.01	
26 05 43 00-0153 LF 4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	36.60	
26 05 43 00-0154 LF 1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	12.03	
26 05 43 00-0155 LF 2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	24.08	
26 05 43 00-0156 LF 4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	48.21	
26 05 43 00-0157 LF 6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	72.29	
26 05 43 00-0158 LF 1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	15.17	
26 05 43 00-0159 LF 2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	30.31	
26 05 43 00-0160 LF 4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	58.65	
26 05 43 00-0161 LF 6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	83.09	
26 05 43 00-0162 LF 1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	27.03	
26 05 43 00-0163 LF 2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	41.02	
26 05 43 00-0164 LF 4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	82.23	
26 05 43 00-0165 LF 6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	133.10	
26 05 43 00-0166 Polyvinyl Chloride (PVC), Type DB Duct Bank System (26 05 43 00-0132)		
Note: Includes appropriate spacers and fittings.		
26 05 43 00-0167 LF 1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	7.57	
26 05 43 00-0168 LF 2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	16.56	
26 05 43 00-0169 LF 4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	31.70	

26 Electrical**26 05 Common Work Results for Electrical****26 05 43 Underground Ducts and Raceways for Electrical Systems**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 43 00-0170	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	9.35	
26 05 43 00-0171	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	18.69	
26 05 43 00-0172	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	37.27	
26 05 43 00-0173	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	12.30	
26 05 43 00-0174	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	24.63	
26 05 43 00-0175	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	49.30	
26 05 43 00-0176	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	73.92	
26 05 43 00-0177	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	15.58	
26 05 43 00-0178	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	31.13	
26 05 43 00-0179	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	60.29	
26 05 43 00-0180	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	85.56	
26 05 43 00-0181	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	27.60	
26 05 43 00-0182	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	42.20	
26 05 43 00-0183	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	84.59	
26 05 43 00-0184	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	136.64	

26 05 43 00-0185 Male Or Female Adapters (26 05 43 00-0132)

26 05 43 00-0186	EA	2" Adapter.....	37.61	
26 05 43 00-0187	EA	3" Adapter.....	55.41	
26 05 43 00-0188	EA	4" Adapter.....	72.01	
26 05 43 00-0189	EA	5" Adapter.....	113.84	
26 05 43 00-0190	EA	6" Adapter.....	139.97	

26 05 46 Utility Poles for Electrical Systems (26 05)**26 05 46 00-0001 Wood Poles (26 05 46)****26 05 46 00-0002 Wood Pole, Class 3, Penta-Treated To 8 LB Retention (26 05 46 00-0001)**

Note: Machine dig and set.

26 05 46 00-0003	EA	25' Treated Wood Pole, Class 3, Machine Dig And Set.....	875.07	282.58
		For Class 1 Pole, Add	108.43	
		For Class 2 Pole, Add	61.96	
		For Class 4 Pole, Deduct	-30.98	
		For Class 5 Pole, Deduct	-92.94	
		For Class 6 Pole, Deduct	-123.92	
26 05 46 00-0004	EA	30' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,047.74	313.53
		For Class 1 Pole, Add	147.22	
		For Class 2 Pole, Add	84.13	
		For Class 4 Pole, Deduct	-42.06	
		For Class 5 Pole, Deduct	-126.19	
		For Class 6 Pole, Deduct	-168.26	
26 05 46 00-0005	EA	35' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,358.16	414.66
		For Class 1 Pole, Add	185.13	
		For Class 2 Pole, Add	105.79	
		For Class 4 Pole, Deduct	-52.89	
		For Class 5 Pole, Deduct	-158.68	
		For Class 6 Pole, Deduct	-211.58	
26 05 46 00-0006	EA	40' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,554.43	456.09
		For Class 1 Pole, Add	224.80	
		For Class 2 Pole, Add	128.46	
		For Class 4 Pole, Deduct	-64.23	
		For Class 5 Pole, Deduct	-192.69	
		For Class 6 Pole, Deduct	-256.92	
26 05 46 00-0007	EA	45' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,776.72	507.98
		For Class 1 Pole, Add	266.23	
		For Class 2 Pole, Add	152.13	
		For Class 4 Pole, Deduct	-76.07	
		For Class 5 Pole, Deduct	-228.20	
		For Class 6 Pole, Deduct	-304.27	
26 05 46 00-0008	EA	50' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,021.75	570.11
		For Class 1 Pole, Add	308.55	
		For Class 2 Pole, Add	176.31	
		For Class 4 Pole, Deduct	-88.16	
		For Class 5 Pole, Deduct	-264.47	
		For Class 6 Pole, Deduct	-352.63	
26 05 46 00-0009	EA	55' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,261.70	627.05
		For Class 1 Pole, Add	352.63	
		For Class 2 Pole, Add	201.50	
		For Class 4 Pole, Deduct	-100.75	
		For Class 5 Pole, Deduct	-302.25	
		For Class 6 Pole, Deduct	-403.00	
26 05 46 00-0010	EA	60' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,527.74	689.55
		For Class 1 Pole, Add	402.00	
		For Class 2 Pole, Add	229.71	
		For Class 4 Pole, Deduct	-114.86	
		For Class 5 Pole, Deduct	-344.57	
		For Class 6 Pole, Deduct	-459.42	
26 05 46 00-0011	EA	65' Treated Wood Pole, Class 3, Machine Dig And Set.....	4,149.64	751.56
		For Class 1 Pole, Add	926.27	
		For Class 2 Pole, Add	529.30	
		For Class 4 Pole, Deduct	-264.65	
		For Class 5 Pole, Deduct	-793.95	
		For Class 6 Pole, Deduct	-1,058.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0012 EA 70' Treated Wood Pole, Class 3, Machine Dig And Set.....	4,557.64	799.47
For Class 1 Pole, Add	1,035.53	
For Class 2 Pole, Add	591.73	
For Class 4 Pole, Deduct	-295.87	
For Class 5 Pole, Deduct	-887.60	
For Class 6 Pole, Deduct	-1,183.47	
26 05 46 00-0013 EA 75' Treated Wood Pole, Class 3, Machine Dig And Set.....	5,010.63	853.90
For Class 1 Pole, Add	1,155.98	
For Class 2 Pole, Add	660.56	
For Class 4 Pole, Deduct	-330.28	
For Class 5 Pole, Deduct	-990.84	
For Class 6 Pole, Deduct	-1,321.12	
26 05 46 00-0014 Removal And Relocation Of Wood Poles With Cross Arm (26 05 46 00-0001)		
26 05 46 00-0015 LF Removal And Relocation Of Up To 75' Wood Pole With Cross Arms	24.08	
26 05 46 00-0016 Crossarms (26 05 46)		
Note: Includes hardware and braces.		
26 05 46 00-0017 Wood Single Arm Crossarms (26 05 46 00-0016)		
26 05 46 00-0018 EA 3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces	207.47	84.28
26 05 46 00-0019 EA 3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces	250.70	84.28
26 05 46 00-0020 EA 3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces	263.13	108.36
26 05 46 00-0021 Wood Double Arm Crossarms (26 05 46 00-0016)		
26 05 46 00-0022 EA 3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces	533.95	234.79
26 05 46 00-0023 EA 3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces	568.66	234.79
26 05 46 00-0024 EA 3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces	591.88	234.79
26 05 46 00-0025 Fiberglass Crossarms (26 05 46 00-0016)		
Note: Includes hardware.		
26 05 46 00-0026 Single Phase, 15 Degree Angle (26 05 46 00-0025)		
26 05 46 00-0027 EA Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 LB	204.24	
26 05 46 00-0028 EA Fiberglass Insulator Bracket, 14", 1 1/16" Diameter Hole, Minimum Ultimate Load 1,200 LB	262.18	50.57
26 05 46 00-0029 EA Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 LB	274.22	54.18
26 05 46 00-0030 Two Phase, 15 Degree Angle (26 05 46 00-0025)		
26 05 46 00-0031 EA Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 LB	328.52	65.02
26 05 46 00-0032 Fiberglass Crossarm Accessories (26 05 46 00-0025)		
26 05 46 00-0033 EA Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 LB Per Conductor	505.73	83.08
26 05 46 00-0034 EA Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 LB Per Conductor	601.74	101.13
26 05 46 00-0035 EA Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded	87.95	14.45
26 05 46 00-0036 EA Three Phase Equipment Mounting Bracket	439.75	72.24
26 05 46 00-0037 EA Fiberglass Bull Horn Crossarm	360.17	120.40
26 05 46 00-0038 Insulator Support System (26 05 46 00-0016)		
26 05 46 00-0039 Epoxy Construction Units, In Place Mounting (26 05 46 00-0038)		
Note: Includes hardware.		
26 05 46 00-0040 EA 1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting	108.34	
26 05 46 00-0041 EA 1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting	85.63	
26 05 46 00-0042 EA Deadend Arms, In Place Mounting	223.51	
26 05 46 00-0043 EA 1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting	168.04	
26 05 46 00-0044 Epoxy Construction Units, Grounding Mounting (26 05 46 00-0038)		
Note: Includes hardware.		
26 05 46 00-0045 EA 1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting	73.49	
26 05 46 00-0046 EA 1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting	62.40	
26 05 46 00-0047 EA Deadend Arms, Grounding Mounting	200.28	
26 05 46 00-0048 Guying (26 05 46)		
Note: Includes cable, anchor and rod assembly, guy marker.		
26 05 46 00-0049 Down Guy (26 05 46 00-0048)		
26 05 46 00-0050 EA Down Guy For 25' To 40' Pole	795.00	337.13
26 05 46 00-0051 EA Down Guy For 45' To 60' Pole	806.67	337.13
26 05 46 00-0052 EA Down Guy For 65' To 75' Pole	830.66	337.13
26 05 46 00-0053 EA Guy Guard, Plastic	27.47	
26 05 46 00-0054 Head Guy, 50' Spans (26 05 46 00-0048)		

26 Electrical**26 05 Common Work Results for Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0055 EA Head Guy (50' Span), For 25' To 40' Pole.....	1,164.48	517.73
26 05 46 00-0056 EA Head Guy (50' Span), For 45' To 60' Pole.....	1,164.48	517.73
26 05 46 00-0057 EA Head Guy (50' Span), For 65' To 75' Pole.....	1,164.48	517.73
26 05 46 00-0058 Guy Strain Insulators Additional Insulators (26 05 46 00-0048)		
Note: As required at same material cost and labor.		
26 05 46 00-0059 EA Guy Strain Insulator	509.03	252.84
26 05 46 00-0060 Insulators (26 05 46)		
26 05 46 00-0061 Pin Insulator With Pin (26 05 46 00-0060)		
26 05 46 00-0062 EA 5 KV Class 55-3, Pin Insulator With Pin	164.67	72.24
26 05 46 00-0063 EA 15 KV Class 55-5, Pin Insulator With Pin	171.15	72.24
26 05 46 00-0064 Suspension Insulator (26 05 46 00-0060)		
Note: Includes clevis and strain clamp.		
26 05 46 00-0065 EA 5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp	211.76	96.32
26 05 46 00-0066 EA 15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp	229.39	96.32
26 05 46 00-0067 EA 25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	327.08	120.40
26 05 46 00-0068 EA 50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	525.43	192.64
26 05 46 00-0069 Spool Insulator With Clevis (26 05 46 00-0060)		
26 05 46 00-0070 EA 5 KV Class 53-5, Spool Insulator With Clevis	70.51	30.10
26 05 46 00-0071 EA 15 KV Class, Spool Insulator With Clevis	227.82	108.36
26 05 46 00-0072 EA 25 KV Class, Spool Insulator With Clevis	294.97	108.36
26 05 46 00-0073 Secondary Rack (26 05 46 00-0060)		
26 05 46 00-0074 EA 1 Spool Secondary Rack.....	139.75	60.20
26 05 46 00-0075 EA 2 Spool Secondary Rack.....	145.45	76.81
26 05 46 00-0076 EA 3 Spool Secondary Rack.....	217.56	102.34
26 05 46 00-0077 EA 4 Spool Secondary Rack.....	243.83	102.34
26 05 46 00-0078 Outdoor Load Break Switches (26 05 46)		
Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.		
26 05 46 00-0079 7.2 KV Outdoor Load Break Switches (26 05 46 00-0078)		
26 05 46 00-0080 EA 600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	3,976.35	409.37
26 05 46 00-0081 EA 1,200 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	7,750.49	409.37
26 05 46 00-0082 EA 1,600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	11,539.90	692.32
26 05 46 00-0083 EA 2,000 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	11,788.86	692.32
26 05 46 00-0084 14.4 KV Outdoor Load Break Switches (26 05 46 00-0078)		
26 05 46 00-0085 EA 600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	4,847.08	409.37
26 05 46 00-0086 EA 1,200 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	9,147.89	409.37
26 05 46 00-0087 EA 1,600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	11,539.90	692.32
26 05 46 00-0088 EA 2,000 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	11,788.86	692.32
26 05 46 00-0089 23 KV Outdoor Load Break Switches (26 05 46 00-0078)		
26 05 46 00-0090 EA 600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	5,348.21	475.59
26 05 46 00-0091 EA 1,200 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	10,012.73	475.59
26 05 46 00-0092 EA 1,600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	12,071.77	818.74
26 05 46 00-0093 EA 2,000 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	12,328.89	818.74
26 05 46 00-0094 Square Distribution Poles (26 05 46)		
26 05 46 00-0095 Square Steel Tapered Shaft Distribution Poles (26 05 46 00-0094)		
26 05 46 00-0096 EA 20', Steel Taped Shaft Distribution Pole.....	2,647.04	511.71
26 05 46 00-0097 EA 25', Steel Taped Shaft Distribution Pole.....	2,961.71	541.81
26 05 46 00-0098 EA 30', Steel Taped Shaft Distribution Pole.....	3,219.39	602.02
26 05 46 00-0099 EA 35', Steel Taped Shaft Distribution Pole.....	3,560.37	662.22
26 05 46 00-0100 EA 40', Steel Taped Shaft Distribution Pole.....	4,751.09	722.42
26 05 46 00-0101 Square Prestressed Concrete Distribution Poles (26 05 46 00-0094)		
26 05 46 00-0102 EA 30', Prestressed Concrete Square Pole For Distribution	4,433.44	900.86
26 05 46 00-0103 EA 35', Prestressed Concrete Square Pole For Distribution	5,005.98	988.04
26 05 46 00-0104 EA 40', Prestressed Concrete Square Pole For Distribution	5,872.42	1,104.29
26 05 46 00-0105 EA 45', Prestressed Concrete Square Pole For Distribution	6,616.51	1,220.53
26 05 46 00-0106 EA 50', Prestressed Concrete Square Pole For Distribution	5,188.97	1,482.07
26 05 46 00-0107 EA 55', Prestressed Concrete Square Pole For Distribution	9,331.46	1,743.62
26 05 46 00-0108 EA 60', Prestressed Concrete Square Pole For Distribution	11,007.68	1,976.09



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0109 EA 65', Prestressed Concrete Square Pole For Distribution	13,288.23	2,441.05
26 05 46 00-0110 EA 70', Prestressed Concrete Square Pole For Distribution	14,883.18	2,673.54
26 05 46 00-0111 Aluminum Tapered Poles (26 05 46)		
26 05 46 00-0112 Aluminum Tapered Round Seamless Shaft Poles (26 05 46 00-0111)		
26 05 46 00-0113 EA 20', Aluminum Tapered Round Seamless Shaft Pole For Distribution	2,450.55	451.51
26 05 46 00-0114 EA 25', Aluminum Tapered Round Seamless Shaft Pole For Distribution	3,369.51	481.61
26 05 46 00-0115 EA 30', Aluminum Tapered Round Seamless Shaft Pole For Distribution	3,869.41	541.81
26 05 46 00-0116 EA 35', Aluminum Tapered Round Seamless Shaft Pole For Distribution	4,569.71	602.02
26 05 46 00-0117 EA 40', Aluminum Tapered Round Seamless Shaft Pole For Distribution	6,794.57	662.22
26 05 46 00-0118 Steel Service Poles Distribution (26 05 46)		
Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.		
26 05 46 00-0119 Round Tapered Pole (26 05 46 00-0118)		
26 05 46 00-0120 EA 40', Galvanized Steel Tapered Round Pole For Distribution	3,493.46	722.42
26 05 46 00-0121 EA 45', Galvanized Steel Tapered Round Pole For Distribution	4,026.44	782.62
26 05 46 00-0122 EA 50', Galvanized Steel Tapered Round Pole For Distribution	4,295.08	842.82
26 05 46 00-0123 EA 55', Galvanized Steel Tapered Round Pole For Distribution	5,042.00	963.22
26 05 46 00-0124 EA 60', Galvanized Steel Tapered Round Pole For Distribution	6,175.13	1,083.62
26 05 46 00-0125 EA 65', Galvanized Steel Tapered Round Pole For Distribution	7,326.94	1,365.83
26 05 46 00-0126 EA 70', Galvanized Steel Tapered Round Pole For Distribution	8,173.67	1,549.49
26 05 46 00-0127 EA 75', Galvanized Steel Tapered Round Pole For Distribution	9,045.86	1,743.62
26 05 46 00-0128 EA 80', Galvanized Steel Tapered Round Pole For Distribution	10,172.40	1,976.09
26 05 46 00-0129 EA 85', Galvanized Steel Tapered Round Pole For Distribution	10,863.01	2,092.34
26 05 46 00-0130 EA 90', Galvanized Steel Tapered Round Pole For Distribution	11,822.20	2,324.82
26 05 46 00-0131 EA 95', Galvanized Steel Tapered Round Pole For Distribution	13,010.12	2,615.41
26 05 46 00-0132 EA 100', Galvanized Steel Tapered Round Pole For Distribution	14,419.61	2,964.14
26 05 46 00-0133 12 Sided Tapered (26 05 46 00-0118)		
26 05 46 00-0134 EA 40', Galvanized Steel Tapered 12 Sided Pole For Distribution	5,689.12	722.42
26 05 46 00-0135 EA 45', Galvanized Steel Tapered 12 Sided Pole For Distribution	6,269.67	782.62
26 05 46 00-0136 EA 50', Galvanized Steel Tapered 12 Sided Pole For Distribution	6,929.98	842.82
26 05 46 00-0137 EA 55', Galvanized Steel Tapered 12 Sided Pole For Distribution	7,635.31	963.22
26 05 46 00-0138 EA 60', Galvanized Steel Tapered 12 Sided Pole For Distribution	10,038.42	1,083.62
26 05 46 00-0139 EA 65', Galvanized Steel Tapered 12 Sided Pole For Distribution	11,213.98	1,365.83
26 05 46 00-0140 EA 70', Galvanized Steel Tapered 12 Sided Pole For Distribution	12,974.59	1,549.49
26 05 46 00-0141 EA 75', Galvanized Steel Tapered 12 Sided Pole For Distribution	13,998.10	1,743.62
26 05 46 00-0142 EA 80', Galvanized Steel Tapered 12 Sided Pole For Distribution	15,118.43	1,976.09
26 05 46 00-0143 EA 85', Galvanized Steel Tapered 12 Sided Pole For Distribution	16,020.03	2,092.34
26 05 46 00-0144 EA 90', Galvanized Steel Tapered 12 Sided Pole For Distribution	18,163.09	2,324.82
26 05 46 00-0145 EA 95', Galvanized Steel Tapered 12 Sided Pole For Distribution	19,333.25	2,615.41
26 05 46 00-0146 EA 100', Galvanized Steel Tapered 12 Sided Pole For Distribution	20,784.24	2,964.14
26 05 46 00-0147 EA 105', Galvanized Steel Tapered 12 Sided Pole For Distribution	22,325.58	3,312.86
26 05 46 00-0148 Standard Options For Round, 12 Sided and Octagonal Tapered Poles (26 05 46 00-0118)		
26 05 46 00-0149 EA Ladder Clips	18.52	
26 05 46 00-0150 EA Coal Tar Epoxy Coating From Base To 1' Above Ground Line	138.94	
26 05 46 00-0151 EA Ground Sleeve-2' At Ground Line	139.75	
26 05 46 00-0152 Arms With Baseplates And Endplates (26 05 46 00-0118)		
26 05 46 00-0153 EA 4' Arm With Baseplate And Endplate	580.22	120.40
26 05 46 00-0154 EA 5' Arm With Baseplate And Endplate	626.24	120.40
26 05 46 00-0155 EA 6' Arm With Baseplate And Endplate	793.60	180.60
26 05 46 00-0156 EA 7' Arm With Baseplate And Endplate	833.86	180.60
26 05 46 00-0157 EA 8' Arm With Baseplate And Endplate	999.38	240.80
26 05 46 00-0158 EA 9' Arm With Baseplate And Endplate	1,045.38	240.80
26 05 46 00-0159 EA 10' Arm With Baseplate And Endplate	1,378.68	301.00
26 05 46 00-0160 EA 11' Arm With Baseplate And Endplate	1,430.31	301.00
26 05 46 00-0161 Standard Vangs Load Bearing At Any Angle (26 05 46 00-0118)		
26 05 46 00-0162 EA 15,000 LB Standard Vangs Load Bearing At Any Angle	278.76	120.40
26 05 46 00-0163 EA 30,000 LB Standard Vangs Load Bearing At Any Angle	306.95	120.40
26 05 46 00-0164 EA 45,000 LB Standard Vangs Load Bearing At Any Angle	345.51	120.40
26 05 46 00-0165 Armless Construction Brackets (26 05 46 00-0118)		
26 05 46 00-0166 Verticals Insulator And Equipment Bracket (26 05 46 00-0165)		
26 05 46 00-0167 EA 7" 1 Position Vertical Insulation And Equipment Bracket	283.35	120.40
26 05 46 00-0168 EA 12" 1 Position Vertical Insulation And Equipment Bracket	301.16	120.40
26 05 46 00-0169 EA 12" 3 Position Vertical Insulation And Equipment Bracket	330.08	120.40
26 05 46 00-0170 EA 18" 1 Position Vertical Insulation And Equipment Bracket	469.59	180.60

26 Electrical**26 05 Common Work Results for Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0171 EA 18" 3 Position Vertical Insulation And Equipment Bracket	486.48	180.60
26 05 46 00-0172 Horizontal And Multiple Insulator Brackets (26 05 46 00-0165)		
26 05 46 00-0173 EA Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets.....	269.49	120.40
26 05 46 00-0174 EA Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets.....	306.90	120.40
26 05 46 00-0175 EA Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets.....	451.47	180.60
26 05 46 00-0176 EA Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets.....	539.76	180.60
26 05 46 00-0177 EA Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets.....	696.77	240.80
26 05 46 00-0178 EA Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets.....	743.63	240.80
26 05 46 00-0179 Pole Top Bracket And Pins (26 05 46 00-0165)		
26 05 46 00-0180 EA Pole Top Pin - 5"	274.92	120.40
26 05 46 00-0181 EA Pole Top Bracket - 5"	284.00	120.40
26 05 46 00-0182 Angle Pins (26 05 46 00-0165)		
26 05 46 00-0183 EA Angle Pin - 25 Degree, 6"	273.69	120.40
26 05 46 00-0184 EA Angle Pin - 25 Degree, 7 1/4"	303.19	120.40
26 05 46 00-0185 Static And Neutral Wire Brackets (26 05 46 00-0165)		
26 05 46 00-0186 EA Neutral Wire Extension Bracket	287.22	120.40
26 05 46 00-0187 EA Static Wire Support Bracket	290.55	120.40
26 05 46 00-0188 Cutout, Arrestor And Terminator Brackets (26 05 46 00-0165)		
26 05 46 00-0189 EA Cutout And Arrestor, With Mounting Bracket	268.36	120.40
26 05 46 00-0190 EA Equipment Mounting T Bracket.....	286.40	120.40
26 05 46 00-0191 EA 15 KV Cutout.....	368.96	
26 05 46 00-0192 EA 9/10 KV Arrestor.....	343.59	120.40
26 05 46 00-0193 Spacer Cable, Conduit Support And Cluster Bracket (26 05 46 00-0165)		
26 05 46 00-0194 EA Parallel Cable Spacer	311.11	120.40
26 05 46 00-0195 EA Conduit Standoff Support Bracket.....	300.49	120.40
26 05 46 00-0196 EA Three Transformer Pole Mounted Cluster Bracket.....	668.83	120.40
26 05 46 00-0197 15 KV, 200 Amperes, Solenoid Operated High Voltage Switch (26 05 46 00-0165)		
Note: Includes pole mounting bracket.		
26 05 46 00-0198 EA 15 KV, 1 Phase, Solenoid Switch With Pole Bracket	1,719.98	301.00
26 05 46 00-0199 Octagonal Tapered (26 05 46 00-0118)		
26 05 46 00-0200 EA 40', Galvanized Steel Tapered Octagonal Pole For Distribution	5,852.31	722.42
26 05 46 00-0201 EA 45', Galvanized Steel Tapered Octagonal Pole For Distribution	6,450.67	782.62
26 05 46 00-0202 EA 50', Galvanized Steel Tapered Octagonal Pole For Distribution	7,131.75	842.82
26 05 46 00-0203 EA 55', Galvanized Steel Tapered Octagonal Pole For Distribution	7,854.89	1,023.42
26 05 46 00-0204 EA 60', Galvanized Steel Tapered Octagonal Pole For Distribution	10,341.07	1,083.62
26 05 46 00-0205 EA 65', Galvanized Steel Tapered Octagonal Pole For Distribution	11,540.38	1,365.83
26 05 46 00-0206 EA 70', Galvanized Steel Tapered Octagonal Pole For Distribution	13,354.39	1,453.01
26 05 46 00-0207 EA 75', Galvanized Steel Tapered Octagonal Pole For Distribution	14,403.12	1,743.62
26 05 46 00-0208 EA 80', Galvanized Steel Tapered Octagonal Pole For Distribution	15,547.18	1,859.85
26 05 46 00-0209 EA 85', Galvanized Steel Tapered Octagonal Pole For Distribution	16,474.01	2,092.34
26 05 46 00-0210 EA 90', Galvanized Steel Tapered Octagonal Pole For Distribution	18,680.86	2,208.57
26 05 46 00-0211 EA 95', Galvanized Steel Tapered Octagonal Pole For Distribution	19,877.73	2,615.41
26 05 46 00-0212 EA 100', Galvanized Steel Tapered Octagonal Pole For Distribution	21,355.43	2,789.77
26 05 46 00-0213 EA 105', Galvanized Steel Tapered Octagonal Pole For Distribution	22,926.44	3,138.50
26 05 46 00-0214 Removal And Relocation Of Steel Service Poles (26 05 46 00-0118)		
26 05 46 00-0215 LF Removal And Relocation Of Steel Service Poles With Arms Up To 60'	42.14	
26 05 46 00-0216 Special Steel Bases For Poles (26 05 46 00-0118)		
26 05 46 00-0217 EA Spin-In Steel Base For Poles	213.85	
26 05 46 00-0218 EA Series 3, 25' Pole And less	233.57	60.20
26 05 46 00-0219 EA Series 4, 40' Pole And less	276.78	69.23
26 05 46 00-0220 EA Series 5, 50' Pole And less	313.97	75.25
26 05 46 00-0221 Primary Fuse Cutouts (26 05 46)		
Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.		
26 05 46 00-0222 Non-Loadbreak Current Limiting Primary Fuse Cutouts (26 05 46 00-0221)		
Note: Includes the fuse and cut-out switch.		
26 05 46 00-0223 8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting (26 05 46 00-0222)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0224 EA 15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting .....596.53 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 144.48		301.00
26 05 46 00-0225 EA 25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting .....716.94 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 180.61		301.00
26 05 46 00-0226 EA 40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting .....836.93 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 216.60		301.00
26 05 46 00-0227 EA 100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting .....848.07 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 216.73		301.00
26 05 46 00-0228 EA 200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting .....848.07 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 216.73		301.00
26 05 46 00-0229 17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting (26 05 46 00-0222)		
26 05 46 00-0230 EA 15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting .....596.53 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 144.48		240.80
26 05 46 00-0231 17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting (26 05 46 00-0222)		
26 05 46 00-0232 EA 15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting .....611.02 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 144.48		240.80
26 05 46 00-0233 Fuseholders (26 05 46 00-0222) Note: Including current limiting fuse.		
26 05 46 00-0234 EA 15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting .....535.45 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 144.48		301.00
26 05 46 00-0235 EA 25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting .....655.86 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 180.61		301.00
26 05 46 00-0236 EA 40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting .....775.85 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 216.60		301.00
26 05 46 00-0237 EA 100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting .....540.46 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 144.48		301.00
26 05 46 00-0238 EA 200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting .....660.87 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 180.61		301.00
26 05 46 00-0239 EA 15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting .....535.45 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 144.48		240.80
26 05 46 00-0240 Accessories (26 05 46 00-0222)		
26 05 46 00-0241 EA Hot Line Clamp .....75.15 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 18.06		27.09
26 05 46 00-0242 EA Stirrup .....79.76		27.09
26 05 46 00-0243 Loadbreak Current Limiting Primary Fuse Cutouts (26 05 46 00-0221) Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.		
26 05 46 00-0244 8.3 KV-95 KV BIL Loadbreak Current Limiting (26 05 46 00-0243)		
26 05 46 00-0245 EA 15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting .....709.38 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 144.48		301.00
26 05 46 00-0246 EA 25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting .....829.79 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 180.61		301.00
26 05 46 00-0247 EA 40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting .....949.78 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 216.60		301.00
26 05 46 00-0248 EA 100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting .....971.43 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 216.73		301.00
26 05 46 00-0249 EA 200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting .....971.43 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 216.73		301.00
26 05 46 00-0250 17.1 KV-95 KV BIL Loadbreak Current Limiting (26 05 46 00-0243)		
26 05 46 00-0251 EA 15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting .....709.38 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 144.48		240.80
26 05 46 00-0252 17.1 KV-125 KV BIL Loadbreak Current Limiting (26 05 46 00-0243)		
26 05 46 00-0253 EA 15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting .....709.38 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 144.48		240.80
26 05 46 00-0254 Fuseholders (26 05 46 00-0243) Note: Includes current limiting fuses.		
26 05 46 00-0255 EA 15 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting .....540.62 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 144.48		301.00
26 05 46 00-0256 EA 25 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting .....661.03 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 180.61		301.00
26 05 46 00-0257 EA 40 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting .....781.02 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 216.60		301.00
26 05 46 00-0258 EA 15 Amperes, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting .....540.62 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 144.48		301.00

26 Electrical**26 05 Common Work Results for Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 46 00-0259	Pole Mounted Capacitors (26 05 46 00-0243)				
26 05 46 00-0260	EA Capacitors - Pole Mounted 6 KVAR.....	1,128.67		242.73	
26 05 46 00-0261	Pole Structure Assemblies (26 05 46 00-0221)				
26 05 46 00-0262	5 KV Pole Structure Assemblies (26 05 46 00-0261)				
	Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.				
26 05 46 00-0263	EA Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	477.12		228.76	
26 05 46 00-0264	EA Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	799.18		385.29	
26 05 46 00-0265	EA Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	808.10		301.00	
26 05 46 00-0266	EA Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	445.41		156.53	
26 05 46 00-0267	EA Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	581.17		216.73	
26 05 46 00-0268	EA Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,058.80		433.45	
26 05 46 00-0269	EA Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	817.81		325.09	
26 05 46 00-0270	EA Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,544.58		650.18	
26 05 46 00-0271	EA Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,747.54		734.45	
26 05 46 00-0272	EA Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	928.49		361.20	
26 05 46 00-0273	EA Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	844.73		385.29	
26 05 46 00-0274	EA Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,632.32		782.62	
26 05 46 00-0275	EA Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,150.65		469.57	
26 05 46 00-0276	EA Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	749.65		337.13	
26 05 46 00-0277	EA Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,455.20		686.29	
26 05 46 00-0278	EA Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,051.40		349.17	
26 05 46 00-0279	15 KV Pole Structure Assemblies (26 05 46 00-0261)				
	Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.				
26 05 46 00-0280	EA Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	491.61		228.76	
26 05 46 00-0281	EA Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	819.89		385.29	
26 05 46 00-0282	EA Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	878.50		301.00	
26 05 46 00-0283	EA Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	470.26		156.53	
26 05 46 00-0284	EA Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	616.36		204.69	
26 05 46 00-0285	EA Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,129.20		433.45	
26 05 46 00-0286	EA Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	869.58		325.09	
26 05 46 00-0287	EA Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,650.18		650.18	
26 05 46 00-0288	EA Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,890.42		734.45	
26 05 46 00-0289	EA Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	998.89		361.20	
26 05 46 00-0290	EA Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	871.65		385.29	
26 05 46 00-0291	EA Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,659.24		782.62	
26 05 46 00-0292	EA Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,204.49		469.57	
26 05 46 00-0293	EA Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	776.57		325.09	
26 05 46 00-0294	EA Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,482.12		686.29	
26 05 46 00-0295	EA Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,105.24		421.40	
26 05 46 00-0296	25 KV Pole Structure Assemblies (26 05 46 00-0261)				
	Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.				
26 05 46 00-0297	EA Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,245.29		361.20	
26 05 46 00-0298	EA Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	732.83		180.60	
26 05 46 00-0299	EA Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,068.90		276.93	
26 05 46 00-0300	EA Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,557.95		565.89	
26 05 46 00-0301	EA Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,393.57		421.40	
26 05 46 00-0302	EA Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,372.80		830.78	
26 05 46 00-0303	EA Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,367.92		939.14	
26 05 46 00-0304	EA Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,591.08		547.83	
26 05 46 00-0305	EA Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,413.48		547.83	
26 05 46 00-0306	50 KV Pole Structure Assemblies (26 05 46 00-0261)				
	Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.				
26 05 46 00-0307	EA Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,673.66		493.65	
26 05 46 00-0308	EA Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	895.93		252.84	
26 05 46 00-0309	EA Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,202.31		397.33	
26 05 46 00-0310	EA Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,296.95		806.69	
26 05 46 00-0311	EA Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,750.66		602.02	
26 05 46 00-0312	EA Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	3,399.87		1,204.02	
26 05 46 00-0313	EA Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	3,955.24		1,336.47	
26 05 46 00-0314	EA Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,991.83		650.18	
26 05 46 00-0315	EA Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,082.73		752.52	
26 05 46 00-0316	EA Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,994.20		710.38	
26 05 46 00-0317	Overhead To Underground Conversion Structures (26 05 46 00-0221)				
	Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.				
26 05 46 00-0318	5 KV Structures (26 05 46 00-0317)				
	Note: Excludes pole.				
26 05 46 00-0319	EA (3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	4,488.19		2,408.05	
26 05 46 00-0320	EA (3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	4,488.19		2,408.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0321 EA (4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	4,488.19	2,408.05
26 05 46 00-0322 EA (4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	4,488.19	2,408.05
26 05 46 00-0323 15 KV Structures (26 05 46 00-0317) Note: Excludes pole.		
26 05 46 00-0324 EA (3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	4,585.62	2,408.05
26 05 46 00-0325 EA (3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	4,585.62	2,408.05
26 05 46 00-0326 EA (4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	4,585.62	2,408.05
26 05 46 00-0327 EA (4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	4,585.62	2,408.05
26 05 46 00-0328 25 KV Structures (26 05 46 00-0317) Note: Excludes pole.		
26 05 46 00-0329 EA (3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	4,691.90	2,408.05
26 05 46 00-0330 EA (3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	4,691.90	2,408.05
26 05 46 00-0331 EA (4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	4,691.90	2,408.05
26 05 46 00-0332 EA (4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	4,691.90	2,408.05
26 05 46 00-0333 Transformer Stations (26 05 46 00-0221) Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.		
26 05 46 00-0334 5 KV Station (26 05 46 00-0333)		
26 05 46 00-0335 EA (Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	6,126.93	3,209.92
26 05 46 00-0336 EA (Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole	6,879.51	3,612.07
26 05 46 00-0337 EA (Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	7,632.09	4,013.01
26 05 46 00-0338 EA (Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole	7,632.09	4,013.01
26 05 46 00-0339 EA (Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole	6,126.93	3,209.92
26 05 46 00-0340 15 KV Stations (26 05 46 00-0333)		
26 05 46 00-0341 EA (Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	6,224.35	3,209.01
26 05 46 00-0342 EA (Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole	6,976.94	3,612.07
26 05 46 00-0343 EA (Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	7,729.52	4,013.01
26 05 46 00-0344 EA (Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole	7,729.52	4,013.01
26 05 46 00-0345 EA (Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole	6,224.35	3,209.92
26 05 46 00-0346 25 KV Stations (26 05 46 00-0333)		
26 05 46 00-0347 EA (Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	6,330.64	3,209.92
26 05 46 00-0348 EA (Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole	7,083.23	3,612.07
26 05 46 00-0349 EA (Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	7,835.80	4,013.01
26 05 46 00-0350 EA (Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole	7,835.80	4,013.01
26 05 46 00-0351 EA (Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole	6,330.64	3,209.92
26 05 53 Identification for Electrical Systems (26 05)		
26 05 53 00-0001 Conduit Markers Pressure-Sensitive (26 05 53) Note: Stick-on, includes arrow tape.		
26 05 53 00-0002 EA 1/2" Outside Diameter Pressure Sensitive Marker Stick-on	13.51	
26 05 53 00-0003 EA 3/4" Outside Diameter Pressure Sensitive Marker Stick-on	14.04	
26 05 53 00-0004 EA 1" Outside Diameter Pressure Sensitive Marker Stick-on	15.12	
26 05 53 00-0005 EA 1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on	15.33	
26 05 53 00-0006 EA 1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	15.54	
26 05 53 00-0007 EA 2" Outside Diameter Pressure Sensitive Marker Stick-on	15.87	
26 05 53 00-0008 EA 2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	19.47	
26 05 53 00-0009 EA 3" Outside Diameter Pressure Sensitive Marker Stick-on	19.90	
26 05 53 00-0010 EA 3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	20.21	
26 05 53 00-0011 EA 4" Outside Diameter Pressure Sensitive Marker Stick-on	20.55	
26 05 53 00-0012 EA 4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	21.21	
26 05 53 00-0013 EA 5" Outside Diameter Pressure Sensitive Marker Stick-on	21.93	
26 05 53 00-0014 EA 6" Outside Diameter Pressure Sensitive Marker Stick-on	22.56	
26 05 53 00-0015 EA 7" Outside Diameter Pressure Sensitive Marker Stick-on	23.19	
26 05 53 00-0016 EA 8" Outside Diameter Pressure Sensitive Marker Stick-on	26.01	
26 05 53 00-0017 EA 10" Outside Diameter Pressure Sensitive Marker Stick-on	27.18	
26 05 53 00-0018 Labeling Electrical Wires (26 05 53) Note: Self-adhesive vinly coated white cloth		
26 05 53 00-0019 EA Labeling Wire	3.28	
26 05 53 00-0020 Equipment Labeling (26 05 53)		
26 05 53 00-0021 EA Label Both Ends Of One 4 Pair Cable	20.99	
26 05 53 00-0022 EA Label single gang face plate (2 labels required)	16.79	
26 05 53 00-0023 EA Label two gang face plate (4 labels required)	25.19	
26 05 53 00-0024 EA Label both ends of a Siamese (dual 4 Pair cable)	20.99	

26 Electrical**26 05 Common Work Results for Electrical****26 05 53 Identification for Electrical Systems**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 83 Wiring Connections (26 05)**26 05 83 00-0001 Tape Wrapped Compression Connectors (26 05 83)**

26 05 83 00-0002	EA	#6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	14.22	4.80
26 05 83 00-0003	EA	#4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	15.59	5.33
26 05 83 00-0004	EA	#2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	16.86	5.86
26 05 83 00-0005	EA	1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	19.50	6.40
26 05 83 00-0006	EA	2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	20.98	6.94
26 05 83 00-0007	EA	3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	23.26	7.47
26 05 83 00-0008	EA	4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	24.93	8.00
26 05 83 00-0009	EA	250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	27.15	8.53
26 05 83 00-0010	EA	300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	30.06	9.60
26 05 83 00-0011	EA	350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	31.53	10.14
26 05 83 00-0012	EA	400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	35.07	10.67
26 05 83 00-0013	EA	500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	38.17	11.20
26 05 83 00-0014	EA	750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	42.65	12.27
26 05 83 00-0015	EA	1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	49.47	13.86

26 05 83 00-0016 One Hole Compression Lugs (26 05 83)

26 05 83 00-0017	EA	#22-18 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	18.43	13.86
26 05 83 00-0018	EA	#16-14 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	18.57	13.86
26 05 83 00-0019	EA	#12-10 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	21.02	14.94
26 05 83 00-0020	EA	#8 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	26.05	16.53
26 05 83 00-0021	EA	#6 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	36.56	21.33
26 05 83 00-0022	EA	#4 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	42.79	21.33
26 05 83 00-0023	EA	#2 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	49.23	21.33
26 05 83 00-0024	EA	1/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	60.60	32.00
26 05 83 00-0025	EA	2/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	71.00	32.00
26 05 83 00-0026	EA	3/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	83.07	32.00
26 05 83 00-0027	EA	4/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	100.15	42.67
26 05 83 00-0028	EA	250 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	118.76	64.00
26 05 83 00-0029	EA	300 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	135.86	64.00
26 05 83 00-0030	EA	350 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	146.00	64.00
26 05 83 00-0031	EA	400 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	159.04	74.67
26 05 83 00-0032	EA	500 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	173.90	74.67
26 05 83 00-0033	EA	750 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	188.97	85.32
26 05 83 00-0034	EA	1,000 MCM Compression Lugs, 1 Hole, Low Voltage, To 600 Volt.....	222.34	95.99

26 05 83 00-0035 Two Hole Compression Lugs (26 05 83)

26 05 83 00-0036	EA	#8 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	37.67	18.14
26 05 83 00-0037	EA	#6 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	40.47	19.31
26 05 83 00-0038	EA	#4 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	42.63	19.31
26 05 83 00-0039	EA	#2 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	49.05	22.19
26 05 83 00-0040	EA	1/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	60.41	27.73
26 05 83 00-0041	EA	2/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	70.80	32.96
26 05 83 00-0042	EA	3/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	82.85	38.61
26 05 83 00-0043	EA	4/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	99.90	46.83
26 05 83 00-0044	EA	250 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	118.47	55.57
26 05 83 00-0045	EA	300 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	135.52	63.46
26 05 83 00-0046	EA	350 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	145.65	68.37
26 05 83 00-0047	EA	400 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	158.63	74.03
26 05 83 00-0048	EA	500 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	173.43	80.85
26 05 83 00-0049	EA	750 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	189.57	87.67
26 05 83 00-0050	EA	1,000 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	234.79	106.66

26 05 83 00-0051 Tape Wrapped Split Bolt Connectors (26 05 83)

26 05 83 00-0052	EA	#8 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	56.19	42.67
26 05 83 00-0053	EA	#6 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	61.79	45.87
26 05 83 00-0054	EA	#4 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	70.44	48.00
26 05 83 00-0055	EA	#2 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	81.82	53.33
26 05 83 00-0056	EA	1/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	96.64	58.67
26 05 83 00-0057	EA	2/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	108.49	64.00
26 05 83 00-0058	EA	3/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	135.65	69.33
26 05 83 00-0059	EA	4/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	145.55	74.67
26 05 83 00-0060	EA	250 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	153.42	79.99
26 05 83 00-0061	EA	300 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	175.26	87.99
26 05 83 00-0062	EA	350 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	197.08	127.99
26 05 83 00-0063	EA	400 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	215.96	106.66
26 05 83 00-0064	EA	500 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	234.82	143.99
26 05 83 00-0065	EA	750 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	260.92	149.33
26 05 83 00-0066	EA	1,000 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	295.88	159.99

26 05 83 00-0067 Cable Termination Lugs Handwrapped, No Stress Cone (26 05 83)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0068 EA #8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	93.40 22.40	42.67
26 05 83 00-0069 EA #4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	103.86 25.40	42.67
26 05 83 00-0070 EA 1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	143.75 35.55	64.00
26 05 83 00-0071 EA 4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	163.11 41.02	64.00
26 05 83 00-0072 EA 300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	195.25 48.48	79.99
26 05 83 00-0073 EA 500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	272.99 66.66	106.66
26 05 83 00-0074 Terminal Blocks (26 05 83) Note: Labor excludes wire termination.		
26 05 83 00-0075 EA Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	943.26 237.02	394.64
26 05 83 00-0076 EA #22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	245.92 32.37	53.43
26 05 83 00-0077 EA #8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	271.75 32.71	53.43
26 05 83 00-0078 Parallel Gutter Tap Or Motor Connection (26 05 83)		
26 05 83 00-0079 EA #8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap 26 05 83 00-0080 EA #6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap 26 05 83 00-0081 EA #4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap 26 05 83 00-0082 EA #2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap 26 05 83 00-0083 EA 1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap 26 05 83 00-0084 EA 2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap 26 05 83 00-0085 EA 3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap 26 05 83 00-0086 EA 4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap 26 05 83 00-0087 EA 250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap 26 05 83 00-0088 EA 300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap 26 05 83 00-0089 EA 350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap 26 05 83 00-0090 EA 400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap 26 05 83 00-0091 EA 500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap 26 05 83 00-0092 EA 750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap 26 05 83 00-0093 EA #8 AWG Parallel Gutter Tap, Versitap, Insulating Cover 26 05 83 00-0094 EA #6 AWG Parallel Gutter Tap, Versitap, Insulating Cover 26 05 83 00-0095 EA #4 AWG Parallel Gutter Tap, Versitap, Insulating Cover 26 05 83 00-0096 EA #2 AWG Parallel Gutter Tap, Versitap, Insulating Cover 26 05 83 00-0097 EA 1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover 26 05 83 00-0098 EA 2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover 26 05 83 00-0099 EA 3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover 26 05 83 00-0100 EA 4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover 26 05 83 00-0101 EA 250 MCM Parallel Gutter Tap, Versitap, Insulating Cover 26 05 83 00-0102 EA 300 MCM Parallel Gutter Tap, Versitap, Insulating Cover 26 05 83 00-0103 EA 350 MCM Parallel Gutter Tap, Versitap, Insulating Cover 26 05 83 00-0104 EA 400 MCM Parallel Gutter Tap, Versitap, Insulating Cover 26 05 83 00-0105 EA 500 MCM Parallel Gutter Tap, Versitap, Insulating Cover 26 05 83 00-0106 EA 750 MCM Parallel Gutter Tap, Versitap, Insulating Cover	37.66 40.47 42.63 49.05 60.41 70.80 82.85 99.90 118.47 135.52 145.65 158.63 173.43 173.85 37.66 40.47 42.63 49.05 60.41 70.80 82.85 99.90 118.47 135.52 145.65 158.63 173.43 173.85 37.66 40.47 42.63 49.05 60.41 70.80 82.85 99.90 118.47 135.52 145.65 158.63 173.43 173.85	19.31 19.31 19.31 22.19 27.73 32.96 38.61 46.83 55.57 63.46 68.37 74.03 80.85 80.85 19.31 19.31 19.31 22.19 27.73 32.96 38.61 46.83 55.57 63.46 68.37 74.03 80.85 80.85
26 05 83 00-0107 Copper Mechanical Lugs (26 05 83)		
26 05 83 00-0108 EA #8 Copper Mechanical Lugs For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.41 8.00	13.33
26 05 83 00-0109 EA #6 Copper Mechanical Lugs For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.34 9.66	16.11
26 05 83 00-0110 EA #4 Copper Mechanical Lugs For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.86 11.20	18.67
26 05 83 00-0111 EA #2 Copper Mechanical Lugs For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	53.18 14.29	23.79
26 05 83 00-0112 EA 1/0 Copper Mechanical Lugs For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	71.58 19.20	32.00
26 05 83 00-0113 EA 2/0 Copper Mechanical Lugs For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	84.86 22.30	37.11
26 05 83 00-0114 EA 3/0 Copper Mechanical Lugs For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	98.83 25.60	42.67
26 05 83 00-0115 EA 4/0 Copper Mechanical Lugs For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	112.16 28.71	47.89
26 05 83 00-0116 EA 250 MCM Copper Mechanical Lugs For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	127.72 32.00	53.33
26 05 83 00-0117 EA 300 MCM Copper Mechanical Lugs For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	143.02 35.21	58.67
26 05 83 00-0118 EA 350 MCM Copper Mechanical Lugs For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	158.26 38.40	64.00
26 05 83 00-0119 EA 400 MCM Copper Mechanical Lugs For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	173.39 41.57	69.33
26 05 83 00-0120 EA 500 MCM Copper Mechanical Lugs For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	188.77 44.80	74.67

26 Electrical**26 05 Common Work Results for Electrical****26 05 83 Wiring Connections**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0121 EA 750 MCM Copper Mechanical Lugs.....	214.16	85.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.04	
26 05 83 00-0122 EA 1,000 MCM Copper Mechanical Lugs.....	242.32	95.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.60	
26 05 83 00-0123 Gel Connectors (26 05 83)		
26 05 83 00-0124 EA 3 Port, #14 to 2/0, Push On Gel Stub Splice Kit.....	45.90	
Note: Kit contains connector, gel filled cap and cap clamp.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.21	
26 05 83 00-0125 EA 4 Port, #14 to 2, Gel Tap Splice Kit.....	44.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.85	
26 05 83 00-0126 Other Connections (26 05 83)		
26 05 83 00-0127 EA #14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	10.62	4.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.93	
26 05 83 00-0128 EA #12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	10.70	4.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.93	
26 05 83 00-0129 EA #10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	10.79	4.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.93	
26 05 83 00-0130 Motor/Equipment Connections And Terminations (26 05 83)		
Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors. See CSI section 23 05 13 00-0000 for motors, 23 05 13 00-0216 for motor mounting.		
26 05 83 00-0131 AC Single Phase, 230 Volt (26 05 83 00-0130)		
26 05 83 00-0132 EA <1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	64.57	26.67
26 05 83 00-0133 EA 1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	64.19	26.67
26 05 83 00-0134 EA 3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	75.31	32.00
26 05 83 00-0135 EA 1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	92.14	40.00
26 05 83 00-0136 EA 1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	92.90	40.00
26 05 83 00-0137 EA 2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	93.05	40.00
26 05 83 00-0138 EA 3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	95.54	40.00
26 05 83 00-0139 EA 5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	122.50	53.33
26 05 83 00-0140 EA 7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	125.29	53.33
26 05 83 00-0141 EA 10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	158.21	66.67
26 05 83 00-0142 AC Three Phase, 230 Volt (26 05 83 00-0130)		
26 05 83 00-0143 EA 1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	64.19	26.67
26 05 83 00-0144 EA 3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	75.31	32.00
26 05 83 00-0145 EA 1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	92.14	40.00
26 05 83 00-0146 EA 1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	92.90	40.00
26 05 83 00-0147 EA 2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	93.05	40.00
26 05 83 00-0148 EA 3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	95.54	40.00
26 05 83 00-0149 EA 5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	122.50	53.33
26 05 83 00-0150 EA 7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	125.29	53.33
26 05 83 00-0151 EA 10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	158.21	66.67
26 05 83 00-0152 EA 15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	161.98	66.67
26 05 83 00-0153 EA 20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	203.51	79.99
26 05 83 00-0154 EA 25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	209.25	79.99
26 05 83 00-0155 EA 30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	284.99	106.66
26 05 83 00-0156 EA 40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	357.16	133.32
26 05 83 00-0157 EA 50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	421.52	159.99
26 05 83 00-0158 EA 60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	500.93	186.66
26 05 83 00-0159 EA 75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	575.53	213.33
26 05 83 00-0160 EA 100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	714.70	266.65
26 05 83 00-0161 EA 125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	844.57	317.32
26 05 83 00-0162 EA 150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	999.08	370.11
26 05 83 00-0163 EA 200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,429.57	555.06
26 05 83 00-0164 AC Three Phase, 460 Volt (26 05 83 00-0130)		
26 05 83 00-0165 EA 1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	64.19	26.67
26 05 83 00-0166 EA 3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	75.31	32.00
26 05 83 00-0167 EA 1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	92.14	40.00
26 05 83 00-0168 EA 1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	92.90	40.00
26 05 83 00-0169 EA 2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	93.05	40.00
26 05 83 00-0170 EA 3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	95.54	40.00
26 05 83 00-0171 EA 5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	122.50	53.33
26 05 83 00-0172 EA 7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	125.29	53.33
26 05 83 00-0173 EA 10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	158.21	66.67
26 05 83 00-0174 EA 15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	161.98	66.67
26 05 83 00-0175 EA 20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	203.52	79.99
26 05 83 00-0176 EA 25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	209.24	79.99
26 05 83 00-0177 EA 30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	284.99	106.66
26 05 83 00-0178 EA 40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	357.48	133.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0179 EA 50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	421.52	159.99
26 05 83 00-0180 EA 60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	500.93	186.66
26 05 83 00-0181 EA 75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	575.53	213.33
26 05 83 00-0182 EA 100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	714.70	266.65
26 05 83 00-0183 EA 125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	844.87	317.42
26 05 83 00-0184 EA 150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	999.49	370.33
26 05 83 00-0185 EA 200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,430.49	555.49
 26 05 83 00-0186 AC Single Phase, 120 Volt (26 05 83 00-0130)		
26 05 83 00-0187 EA 1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing	64.57	26.67
 26 05 83 00-0188 Motor Moisture Sensor (26 05 83 00-0130)		
26 05 83 00-0189 EA Motor Moisture Sensor Located In Winding	625.41	
 26 09 Instrumentation and Control for Electrical Systems (26)		
Note: Includes testing of new devices and certification.		
26 09 23 Lighting Control Devices (26 09)		
26 09 23 00-0001 Lighting Contactors (26 09 23)		
Note: Up to 600 volt.		
26 09 23 00-0002 Electrically Held, Lighting Contactors (26 09 23 00-0001)		
26 09 23 00-0003 NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)		
26 09 23 00-0004 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0003)		
26 09 23 00-0005 EA 20 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	496.84	85.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.20	
26 09 23 00-0006 EA 30 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	618.56	95.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.60	
26 09 23 00-0007 EA 60 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,172.41	149.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	89.60	
26 09 23 00-0008 EA 100 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,840.07	202.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	121.59	
26 09 23 00-0009 EA 200 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	3,907.35	266.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	159.99	
 26 09 23 00-0010 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0003)		
26 09 23 00-0011 EA 20 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	561.27	95.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.60	
26 09 23 00-0012 EA 30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	677.54	106.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.00	
26 09 23 00-0013 EA 60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,265.26	170.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	102.40	
26 09 23 00-0014 EA 100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,984.90	223.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	134.39	
26 09 23 00-0015 EA 200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	4,191.00	293.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	175.99	
 26 09 23 00-0016 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0003)		
26 09 23 00-0017 EA 20 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	663.91	106.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.00	
26 09 23 00-0018 EA 30 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	801.92	117.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	70.40	
26 09 23 00-0019 EA 60 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,537.33	191.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	115.19	
26 09 23 00-0020 EA 100 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,385.13	245.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.19	
26 09 23 00-0021 EA 200 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	5,376.19	319.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	191.99	
 26 09 23 00-0022 NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)		
26 09 23 00-0023 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0022)		
26 09 23 00-0024 EA 20 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	843.60	85.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.20	
26 09 23 00-0025 EA 30 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,078.30	95.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.60	
26 09 23 00-0026 EA 60 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	2,089.18	149.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	89.60	
26 09 23 00-0027 EA 100 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,142.19	202.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	121.59	
26 09 23 00-0028 EA 200 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	6,129.84	266.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	159.99	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0029 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0022)		
26 09 23 00-0030 EA 20 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor .....787.178	871.78	95.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.60	
26 09 23 00-0031 EA 30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor .....1,137.27	1,137.27	106.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.00	
26 09 23 00-0032 EA 60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor .....2,184.73	2,184.73	170.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	102.40	
26 09 23 00-0033 EA 100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor .....3,286.13	3,286.13	223.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	134.39	
26 09 23 00-0034 EA 200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor .....6,412.59	6,412.59	293.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	175.99	
26 09 23 00-0035 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0022)		
26 09 23 00-0036 EA 20 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor .....941.12	941.12	106.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.00	
26 09 23 00-0037 EA 30 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor .....1,261.65	1,261.65	117.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	70.40	
26 09 23 00-0038 EA 60 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor .....2,814.36	2,814.36	191.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	115.19	
26 09 23 00-0039 EA 100 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor .....4,043.93	4,043.93	245.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.19	
26 09 23 00-0040 EA 200 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor .....8,583.56	8,583.56	319.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	191.99	
26 09 23 00-0041 Mechanically Held, Lighting Contactors (26 09 23 00-0001)		
26 09 23 00-0042 NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0041)		
26 09 23 00-0043 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0042)		
26 09 23 00-0044 EA 20 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....749.56	749.56	85.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.20	
26 09 23 00-0045 EA 30 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....853.36	853.36	95.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.60	
26 09 23 00-0046 EA 60 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....1,629.45	1,629.45	149.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	89.60	
26 09 23 00-0047 EA 100 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....2,272.91	2,272.91	202.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	121.59	
26 09 23 00-0048 EA 200 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....5,312.54	5,312.54	266.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	159.99	
26 09 23 00-0049 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0042)		
26 09 23 00-0050 EA 20 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....799.30	799.30	95.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.60	
26 09 23 00-0051 EA 30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....914.13	914.13	106.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.00	
26 09 23 00-0052 EA 60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....1,725.00	1,725.00	170.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	102.40	
26 09 23 00-0053 EA 100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....2,418.64	2,418.64	223.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	134.39	
26 09 23 00-0054 EA 200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....5,977.05	5,977.05	293.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	175.99	
26 09 23 00-0055 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0042)		
26 09 23 00-0056 EA 20 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....861.78	861.78	106.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.00	
26 09 23 00-0057 EA 30 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....973.09	973.09	117.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	70.40	
26 09 23 00-0058 EA 60 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....2,021.26	2,021.26	191.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	115.19	
26 09 23 00-0059 EA 100 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....2,844.86	2,844.86	245.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.19	
26 09 23 00-0060 EA 200 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....7,229.46	7,229.46	319.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	191.99	
26 09 23 00-0061 NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0041)		
26 09 23 00-0062 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0061)		
26 09 23 00-0063 EA 20 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....1,140.39	1,140.39	85.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.20	
26 09 23 00-0064 EA 30 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....1,313.09	1,313.09	95.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.60	
26 09 23 00-0065 EA 60 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....2,548.92	2,548.92	149.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	89.60	
26 09 23 00-0066 EA 100 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....3,575.04	3,575.04	202.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	121.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0067 EA 200 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7,533.23 159.99	266.65
26 09 23 00-0068 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0061)		
26 09 23 00-0069 EA 20 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,202.86 57.60	95.99
26 09 23 00-0070 EA 30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,373.86 64.00	106.66
26 09 23 00-0071 EA 60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,644.46 102.40	170.66
26 09 23 00-0072 EA 100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,721.66 134.39	223.98
26 09 23 00-0073 EA 200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8,199.53 175.99	293.32
26 09 23 00-0074 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0061)		
26 09 23 00-0075 EA 20 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,270.24 64.00	106.66
26 09 23 00-0076 EA 30 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,432.82 70.40	117.32
26 09 23 00-0077 EA 60 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,298.29 115.19	191.99
26 09 23 00-0078 EA 100 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4,503.66 147.19	245.32
26 09 23 00-0079 EA 200 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10,371.40 191.99	319.98
26 09 23 00-0080 Combination Lighting Contactors (26 09 23) Note: Up to 600 volt.		
26 09 23 00-0081 Electrically Held, Combination Lighting Contactors (26 09 23 00-0080)		
26 09 23 00-0082 NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0081)		
26 09 23 00-0083 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0082)		
26 09 23 00-0084 EA 30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,464.63 70.40	117.32
26 09 23 00-0085 EA 60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,295.02 112.63	187.72
26 09 23 00-0086 EA 100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,727.02 147.83	246.39
26 09 23 00-0087 EA 200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6,851.68 193.59	322.65
26 09 23 00-0088 NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0081)		
26 09 23 00-0089 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0088)		
26 09 23 00-0090 EA 30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,689.24 70.40	117.32
26 09 23 00-0091 EA 60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4,182.34 112.63	187.72
26 09 23 00-0092 EA 100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7,020.42 147.83	246.39
26 09 23 00-0093 EA 200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11,064.54 193.59	322.65
26 09 23 00-0094 Mechanically Held, Combination Lighting Contactors (26 09 23 00-0080)		
26 09 23 00-0095 NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors (26 09 23 00-0094)		
26 09 23 00-0096 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors (26 09 23 00-0095)		
26 09 23 00-0097 EA 30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,604.44 70.40	117.32

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0098	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	2,778.95	187.72
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.63	
26 09 23 00-0099	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	4,185.41	246.39
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	147.83	
26 09 23 00-0100	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	8,154.25	322.65
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	193.59	
26 09 23 00-0101		NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors ^(26 09 23 00-0094)		
26 09 23 00-0102		3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors ^(26 09 23 00-0101)		
26 09 23 00-0103	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	2,830.39	117.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.40	
26 09 23 00-0104	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	4,668.96	187.72
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.63	
26 09 23 00-0105	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	7,480.15	246.39
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	147.83	
26 09 23 00-0106	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	12,367.11	322.65
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	193.59	
26 09 23 00-0107		Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket ^(26 09 23)		
26 09 23 00-0108	EA	105 To 130 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket.....	124.78	27.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.67	
26 09 23 00-0109	EA	105 To 285 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket.....	136.25	27.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.67	
26 09 23 00-0110		Dimming Module System (Lutron Grafik Eye) ^(26 09 23)		
26 09 23 00-0111	EA	2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2).....	1,172.56	106.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.00	
26 09 23 00-0112	EA	4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4).....	1,498.34	106.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.00	
26 09 23 00-0113	EA	6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6).....	1,829.94	106.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.00	
26 09 23 00-0114		Dimming Module Contol (Leviton) ^(26 09 23)		
26 09 23 00-0115	EA	5 Amperes, Wireless Dimming Module (Leviton WSD05-9D0).....	151.51	13.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.02	
26 09 23 00-0116		Light Control Panels ^(26 09 23)		
26 09 23 00-0117		Lighting Control Panels (Watt Stopper) ^(26 09 23 00-0116)		
26 09 23 00-0118		Lighting Control Panels (Watt Stopper) ^(26 09 23 00-0117)		
26 09 23 00-0119	EA	4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4).....	1,546.89	149.60
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.76	
26 09 23 00-0120	EA	8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8).....	1,454.76	160.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.17	
26 09 23 00-0121	EA	8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G).....	1,632.07	160.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.17	
26 09 23 00-0122	EA	8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8).....	2,425.53	160.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.17	
26 09 23 00-0123	EA	8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G).....	2,633.69	160.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.17	
26 09 23 00-0124	EA	4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4).....	1,717.40	149.60
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.76	
26 09 23 00-0125	EA	8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8).....	1,842.77	160.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.17	
26 09 23 00-0126	EA	8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G).....	2,050.72	160.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.17	
26 09 23 00-0127	EA	8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8).....	2,508.72	160.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.17	
26 09 23 00-0128	EA	8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G).....	2,716.87	160.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.17	
26 09 23 00-0129		Accessories For Lighting Control Panels (Watt Stopper) ^(26 09 23 00-0117)		
26 09 23 00-0130	EA	Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2).....	152.28	26.72
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0131 EA Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W) .....117.36		21.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.83	
26 09 23 00-0132 EA Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2).....63.87		21.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.83	
26 09 23 00-0133 Lighting Control Panels (Synergy) (26 09 23 00-0116)		
26 09 23 00-0134 Lighting Control Panels (Synergy) (26 09 23 00-0133)		
26 09 23 00-0135 EA 8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S).....1,856.03		160.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	96.17	
26 09 23 00-0136 Accessories For Lighting Control Panels (Synergy) (26 09 23 00-0133)		
26 09 23 00-0137 EA Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL).....448.49		26.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.03	
26 09 23 00-0138 EA Sweepswitch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSPL-20) .....173.89		10.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.41	
26 09 23 00-0139 EA Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT) .....103.84		16.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.62	
26 09 23 00-0140 Lighting Switching Panels (Lutron) (26 09 23 00-0116)		
26 09 23 00-0141 Lighting Switching Panels (Lutron) (26 09 23 00-0140)		
26 09 23 00-0142 EA 8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS8-FT).....1,526.31		160.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	96.17	
26 09 23 00-0143 EA 12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS12-FT) .....2,066.57		170.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	102.59	
26 09 23 00-0144 EA 16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS16-FT) .....2,683.56		181.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	109.00	
26 09 23 00-0145 Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera) (26 09 23 00-0116)		
26 09 23 00-0146 EA 6 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC6Z) .....1,043.66		149.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	89.76	
26 09 23 00-0147 EA 12 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC12Z) .....1,179.01		149.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	89.76	
26 09 23 00-0148 EA 18 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC18Z) .....1,314.37		149.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	89.76	
26 09 23 00-0149 Power Filters (26 09 23 00-0116)		
26 09 23 00-0150 EA 600 Amperes, 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17" Enclosure.....36,128.21		888.80
26 09 23 00-0151 EA 200 Amperes, 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17" Enclosure.....21,383.22		386.43
26 09 23 00-0152 Signal Filters (26 09 23 00-0116)		
26 09 23 00-0153 EA 0.5 Amperes, 125 Volt, 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case .....16,501.30		808.06
26 09 23 00-0154 EA 0.5 Amperes, 125 Volt, 200 Conductor Signal Filter With 29" X 40" X 11" Case .....11,292.76		493.84
26 09 23 00-0155 EA 0.5 Amperes, 125 Volt, 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case .....6,298.53		286.70
26 09 23 00-0156 EA 5 Amperes, 24 Volt DC, 5 Volt, 2 - 1 Pair Conductor Signal Filter With Case .....8,588.56		286.70
26 09 23 00-0157 Lighting Control Devices (Encelium) (26 09 23)		
26 09 23 00-0158 EA 8 Port, G4, Wired Energy Control Unit, GreenBus II™ (120V) With Polaris 3D™ (Encelium EN-ECU-G4-P3D) .....10,306.12		106.86
Note: Excludes GB II cable.		
26 09 23 00-0159 EA Server, System Support Unit (SSU) (Encelium EN-SSU-1U).....4,741.23		106.86
Note: Excludes GB II and Ethernet cable.		
26 09 23 00-0160 EA Server, System Support Unit (SSU), VIRTUAL (Encelium EN-SW-SSUVIRT) .....2,493.84		106.86
Note: Excludes GB II and Ethernet cable.		
26 09 23 00-0161 EA Server, System Support Unit (SSU) With BACnet (Encelium EN-SSU-BIF-KIT) .....10,366.41		106.86
Note: Excludes GB II and Ethernet cable.		
26 09 23 00-0162 EA Isolated, Wired Luminaire Control Module (Encelium EN-ILCM-1R10V-GB2-BK) .....87.94		13.36
Note: Excludes GB II cable.		
26 09 23 00-0163 EA Damp Rated, Isolated, Wired Luminaire Control Module (Encelium EN-ILCM-1R10V-GB2-BK/DR) .....132.46		13.36
Note: Excludes GB II cable.		
26 09 23 00-0164 EA Wired Area Lighting Controller, Heavy Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK) .....171.76		26.72
Note: Excludes GB II cable.		
26 09 23 00-0165 EA Damp Rated, Wired Area Lighting Controller, Heavy Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK-DR) .....204.49		26.72
Note: Excludes GB II cable.		
26 09 23 00-0166 EA Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK) .....114.65		26.72
Note: Excludes GB II cable.		
26 09 23 00-0167 EA Damp Rated, Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK/DR) .....159.17		26.72
Note: Excludes GB II cable.		
26 09 23 00-0168 EA 16 Port, Rack Mounted, Wired Ethernet Switch (Encelium ETH-700).....393.87		53.43
Note: Excludes cable.		
26 09 23 00-0169 EA Rack Mounted, Wired Power Bar (Encelium PWR-700) .....302.39		53.43

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0170 EA Rack Mounted, Wired Power Bar With Surge Protection (Encelium PWR-800).....	532.34	53.43
26 09 23 00-0171 EA Wall Mounted, 4U Mounting Rack (Encelium RCK-700).....	199.02	53.43
26 09 23 00-0172 EA 4 Port, 10/100 VPN, Dual WAN, Wired Router (Encelium RV042)..... Note: Excludes cable.	593.60	53.43
26 09 23 00-0173 EA Wired BACnet Interface (Encelium BIF-600)..... Note: Excludes cable.	6,052.61	213.72
26 09 23 00-0174 EA Wired AV Interface (Encelium EN-SW-AVINT)..... Note: Excludes cable.	4,428.76	53.43
26 09 23 00-0175 EA Two Button, GB2, Wired Wall Station (Encelium EN-WS-2B-GB2-WH)..... Note: Includes white finish. Excludes GB II cable.	171.49	13.36
26 09 23 00-0176 EA 3 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC3-GB2-WH)..... Note: Includes white finish. Excludes GB II cable.	207.66	13.36
26 09 23 00-0177 EA 3 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WH)..... Note: Includes white finish. Excludes GB II cable.	198.93	13.36
26 09 23 00-0178 EA 5 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC5-GB2-WH)..... Note: Includes white finish. Excludes GB II cable.	207.66	13.36
26 09 23 00-0179 EA 6 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC6-GB2-WH)..... Note: Includes white finish. Excludes GB II cable.	198.93	13.36
26 09 23 00-0180 EA Rocker Switch, GB2, Wired Wall Station (Encelium EN-WS-R-GB2-WT)..... Note: Includes white finish. Excludes GB II cable.	151.93	13.36
26 09 23 00-0181 EA Scene Controller, GB2, Wired Wall Station (Encelium EN-WS-SC3D-GB2-WT)..... Note: Includes white finish. Excludes GB II cable.	207.66	13.36
26 09 23 00-0182 EA 3 Zone Controller, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WT)..... Note: Includes white finish. Excludes GB II cable.	198.93	13.36
26 09 23 00-0183 EA Wired Key Switch Controller (Encelium KSW-300)..... Note: Excludes GB II cable.	148.41	13.36
26 09 23 00-0184 EA Wall Station Surface Mount Kit (Encelium EN-SMK-ZB-WH)..... Note: Includes white finish.	67.00	13.36
26 09 23 00-0185 EA 1/2' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-0.5FT-GB2).....	62.58	26.72
26 09 23 00-0186 EA 1' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-01FT-GB2).....	62.97	26.72
26 09 23 00-0187 EA 5' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-05FT-GB2).....	66.05	26.72
26 09 23 00-0188 EA 10' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-10FT-GB2).....	69.09	26.72
26 09 23 00-0189 EA 15' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-15FT-GB2).....	72.73	26.72
26 09 23 00-0190 EA 20' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-20FT-GB2).....	76.00	26.72
26 09 23 00-0191 EA 25' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-25FT-GB2).....	80.02	26.72
26 09 23 00-0192 EA 50' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-50FT-GB2).....	98.21	26.72
26 09 23 00-0193 EA 1,000' Box, GreenBus II™ Cable (Encelium EN-BC-1000FT-GB2).....	557.98	26.72
26 09 23 00-0194 EA Box Of 50, Greenbus II™ Connectors (Encelium EN-CON-50-GB2).....	145.74	26.72
26 09 23 00-0195 EA 1,000' Box, Category 5, Network Cable (Encelium NWC-400-B).....	716.40	26.72
26 09 23 00-0196 EA Indoor Wired Photo Sensor (Encelium PHS-700)..... Note: Excludes GB II cable.	438.35	53.43
26 09 23 00-0197 EA Outdoor Wired Photo Sensor (Encelium PHS-800)..... Note: Excludes GB II cable.	438.35	53.43
26 09 23 00-0198 EA Skylight Wired Photo Sensor (Encelium PHS-900)..... Note: Excludes GB II cable.	438.35	53.43
26 09 23 00-0199 EA 450 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-0450)..... Note: Excludes GB II cable.	241.24	53.43
26 09 23 00-0200 EA 1,500 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-1500)..... Note: Excludes GB II cable.	234.62	53.43
26 09 23 00-0201 EA 2,500 SF, Wide View, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-WV00)..... Note: Excludes GB II cable.	239.03	53.43
26 09 23 00-0202 EA High-Bay, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-HBAY)..... Note: Excludes GB II cable.	261.06	53.43
26 09 23 00-0203 EA Long-Range, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-LRNG)..... Note: Excludes GB II cable.	239.03	53.43
26 09 23 00-0204 EA 120-277 Volt AC, No Neutral, Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSP-LNV)..... Note: Excludes GB II cable.	194.98	53.43
26 09 23 00-0205 EA High Bay, Passive Infrared, Fixture Mounted, Wired Occupancy Sensor (Encelium WSPM24V)..... Note: Excludes GB II cable.	205.05	53.43
26 09 23 00-0206 EA High Bay, Passive Infrared, Surface Mounted, Wired Occupancy Sensor (Encelium WSPSM24V)..... Note: Excludes GB II cable.	205.05	53.43
26 09 23 00-0207 EA 360 Degree Lens, Wired Occupancy Sensor (Encelium WSPLNS360)..... Note: Excludes GB II cable.	121.13	53.43
26 09 23 00-0208 EA Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium PW-100-24)..... Note: Excludes GB II cable.	244.48	53.43
26 09 23 00-0209 EA Hallway, Wired Occupancy Sensor (Encelium HW-13)..... Note: Excludes GB II cable.	334.28	53.43
26 09 23 00-0210 EA 500 SF, 180 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-0500)..... Note: Excludes GB II cable.	296.31	53.43
26 09 23 00-0211 EA 1,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-1000)..... Note: Excludes GB II cable.	313.93	53.43
26 09 23 00-0212 EA 2,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-2000)..... Note: Excludes GB II cable.	322.75	53.43
26 09 23 00-0213 EA 1,200 SF, (Multi) Passive Infrared And Ultrasonic, Wall Mounted, Wired Occupancy Sensor (Encelium SWM-1200)..... Note: Excludes GB II cable.	294.10	53.43
26 09 23 00-0214 EA 120-277 Volt AC, No Neutral, Passive Infrared And Ultrasonic, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSM-LNV)..... Note: Excludes GB II cable.	250.05	53.43



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0215	EA	500 SF, 180 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC05-M0W) Note: Excludes GB II cable.	305.78	53.43
26 09 23 00-0216	EA	1,200 SF, 360 Degree, Dual Technology, Wall Mounted, Wired Occupancy Sensor (Encelium OSW12-M0W)..... Note: Excludes GB II cable.	303.47	53.43
26 09 23 00-0217	EA	2,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC20-M0W) Note: Excludes GB II cable.	333.54	53.43
26 09 23 00-0218	EA	1,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC10-M0W) Note: Excludes GB II cable.	324.29	53.43
26 09 23 00-0219	EA	Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium DW-100-24) Note: Excludes GB II cable.	346.88	53.43
26 09 23 00-0220	EA	Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium WSD-PDT-LV)..... Note: Excludes GB II cable.	324.38	53.43
26 09 23 00-0221	EA	Wide View, Dual Technology, Wired Occupancy Sensor (Encelium WV-PDT)..... Note: Excludes GB II cable.	324.38	53.43
26 09 23 00-0222	EA	10A, 120V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRU1C).....	222.87	53.43
26 09 23 00-0223	EA	10A, 277V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRH1C).....	236.71	53.43
26 09 23 00-0224	EA	20A, 120V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR01P).....	393.56	53.43
26 09 23 00-0225	EA	20A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR02P).....	418.98	53.43
26 09 23 00-0226	EA	10A, 120V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2401D).....	316.42	53.43
26 09 23 00-0227	EA	10A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2402D).....	328.70	53.43
26 09 23 00-0228	EA	24 Circuit, Relay Module (Encelium EN-RPM-24C-GB2)..... Note: Excludes GB II cable and enclosure.	918.65	106.86
26 09 23 00-0229	EA	24 Circuit, 120/277V, Relay Panel With Relay Module (Encelium EN-RP-24C-GB2-120/277V)..... Note: Excludes GB II cable.	2,919.31	427.43
26 09 23 00-0230	EA	12 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA12R120-347V)..... Note: Excludes GB II cable.	4,157.98	427.43
26 09 23 00-0231	EA	24 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA24R120-347V)..... Note: Excludes GB II cable.	5,396.64	427.43
26 09 23 00-0232	EA	Wired Phase Cut Dimming Module (Encelium EN-PCDM-GB2)..... Note: Excludes GB II cable.	459.33	53.43
26 09 23 00-0233	EA	Wired DALI Bridge (Encelium EN-DB-1L-GB2)..... Note: Excludes GB II cable.	522.27	53.43
26 09 23 00-0234	EA	Wireless Manager (Encelium EN-WM-ZB-P3D)..... Note: Includes white finish.	1,365.67	53.43
26 09 23 00-0235	EA	Wireless Control Module (Encelium EN-WCM-ZB).....	196.09	26.72
26 09 23 00-0236	EA	Damp Rated, Wireless Control Module (Encelium EN-WCM-ZB-DR).....	229.66	26.72
26 09 23 00-0237	EA	Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK).....	230.50	26.72
26 09 23 00-0238	EA	Damp Rated, Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK-DR).....	238.42	26.72
26 09 23 00-0239	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH)..... Note: Includes white finish.	169.38	13.36
26 09 23 00-0240	EA	3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH)..... Note: Includes white finish.	169.38	13.36
26 09 23 00-0241	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)..... Note: Includes white finish.	169.38	13.36
26 09 23 00-0242	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)..... Note: Includes white finish.	169.38	13.36
26 09 23 00-0243	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)..... Note: Includes white finish.	169.38	13.36
26 09 23 00-0244	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW).....	174.84	13.36
26 09 23 00-0245	EA	315 MHz, Wireless Photocell (Encelium TAP-17C).....	383.80	53.43
26 09 23 00-0246	EA	450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB).....	249.52	53.43
26 09 23 00-0247	EA	1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB).....	249.52	53.43
26 09 23 00-0248	EA	1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR).....	283.09	53.43
26 09 23 00-0249	EA	450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR).....	283.09	53.43
26 09 23 00-0250	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH)..... Note: Includes white finish.	169.38	13.36
26 09 23 00-0251	EA	3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH)..... Note: Includes white finish.	169.38	13.36
26 09 23 00-0252	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)..... Note: Includes white finish.	169.38	13.36
26 09 23 00-0253	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)..... Note: Includes white finish.	169.38	13.36
26 09 23 00-0254	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)..... Note: Includes white finish.	169.38	13.36
26 09 23 00-0255	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)..... Note: Includes white finish.	174.84	13.36
26 09 23 00-0256	EA	315 MHz, Wireless Photocell (Encelium TAP-17C).....	383.80	53.43
26 09 23 00-0257	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH).....	169.38	13.36
26 09 23 00-0258	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH).....	169.38	13.36
26 09 23 00-0259	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH).....	169.38	13.36
26 09 23 00-0260	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW).....	174.84	13.36
26 09 23 00-0261	EA	315 MHz, Wireless Photocell (Encelium TAP-17C).....	383.80	53.43
26 09 23 00-0262	EA	450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB).....	249.52	53.43
26 09 23 00-0263	EA	1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB).....	249.52	53.43
26 09 23 00-0264	EA	1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR).....	283.09	53.43
26 09 23 00-0265	EA	450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR).....	283.09	53.43
26 09 23 00-0266	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH)..... Note: Includes white finish.	169.38	13.36
26 09 23 00-0267	EA	3 Scene Control, Wireless, Wall Station (Encelium EN-WS-SC3-ZB-WH)..... Note: Includes white finish.	169.38	13.36
26 09 23 00-0268	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)..... Note: Includes white finish.	169.38	13.36

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0269 EA 5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH).....	169.38	13.36
Note: Includes white finish.		
26 09 23 00-0270 EA 6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH).....	169.38	13.36
Note: Includes white finish.		
26 09 23 00-0271 EA Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	174.84	13.36
26 09 23 00-0272 EA 315 MHz, Wireless Photocell (Encelium TAP-17C).....	383.80	53.43
26 09 23 00-0273 EA Ceiling Mounted, Wireless Mounting Kit (Encelium EN-SCPPH-MK-ZB).....	126.16	53.43
26 09 23 00-0274 EA Wireless Ethernet Transceiver Unit (cns-enocean Connectivity Kit)	494.30	53.43
26 09 23 00-0275 Lighting Control Sensors (26 09 23)		
26 09 23 00-0276 EA DALIMulti Sensor, 600 SF (Fifthlight FLT-MTS6-DALI).....	261.28	24.04
26 09 23 00-0277 EA DALIMulti Sensor, 1,200 SF (Fifthlight FLT-MTS12-DALI).....	261.28	24.04
26 09 23 00-0278 EA Smart Multi-sensor (LG 9SD131VVDA.ALWB000)	230.34	24.04
26 09 23 00-0279 EA Zigbee Dongle (LG 9CM2315VD2.AWP01U)	71.10	16.03
26 09 23 00-0280 EA Clip for Performance Troffer (LG BKTTR015122.BUAAWAA)	6.63	
26 09 23 00-0281 EA Clip for Downlight (BKTCE015123.BUAAWAA)	45.50	
26 09 23 00-0282 EA Clip for Tube (LG BKTU015121.BUAAWAA)	8.88	
26 09 23 00-0283 Radio Controlled Devices (Lutron) (26 09 23)		
26 09 23 00-0284 Tabletop Transmitters For Radio Controlled Devices (26 09 23 00-0283)		
26 09 23 00-0285 Switched Lighting Controls, Tabletop Wireless Transmitter (26 09 23 00-0284)		
26 09 23 00-0286 EA One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH).....	335.04	16.03
26 09 23 00-0287 EA Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH)	433.71	16.03
26 09 23 00-0288 EA Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH)	544.70	16.03
26 09 23 00-0289 Dimmable Lighting Controls, Tabletop Wireless Transmitter (26 09 23 00-0284)		
26 09 23 00-0290 EA One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH).....	335.04	16.03
26 09 23 00-0291 EA Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH).....	396.71	16.03
26 09 23 00-0292 EA Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH).....	544.70	16.03
26 09 23 00-0293 EA One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH).....	335.04	16.03
26 09 23 00-0294 EA Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH).....	433.71	16.03
26 09 23 00-0295 EA Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH)	544.70	16.03
26 09 23 00-0296 Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter (26 09 23 00-0284)		
26 09 23 00-0297 EA One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH).....	433.71	16.03
26 09 23 00-0298 EA Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH)	544.70	16.03
26 09 23 00-0299 EA One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH).....	544.70	16.03
26 09 23 00-0300 Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter (26 09 23 00-0284)		
26 09 23 00-0301 EA One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B-WH).....	335.04	16.03
26 09 23 00-0302 EA Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3-B-WH)	433.71	16.03
26 09 23 00-0303 EA One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH)	396.71	16.03
26 09 23 00-0304 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH).....	483.04	16.03
26 09 23 00-0305 EA One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH)	433.71	16.03
26 09 23 00-0306 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH)	520.04	16.03
26 09 23 00-0307 EA One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH)	433.71	16.03
26 09 23 00-0308 Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter (26 09 23 00-0284)		
26 09 23 00-0309 EA One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH).....	335.04	16.03
26 09 23 00-0310 EA Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH).....	433.71	16.03
26 09 23 00-0311 EA One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH).....	433.71	16.03
26 09 23 00-0312 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH).....	544.70	16.03
26 09 23 00-0313 EA One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH).....	433.71	16.03



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0314 EA One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH).....	544.70	16.03
26 09 23 00-0315 Output Switch Closure Controls, Tabletop Wireless Transmitter (26 09 23 00-0284)		
26 09 23 00-0316 EA Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH).....	335.04	16.03
26 09 23 00-0317 EA Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH).....	433.71	16.03
26 09 23 00-0318 EA Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH).....	544.70	16.03
26 09 23 00-0319 Accessories For Tabletop Wireless Transmitter (26 09 23 00-0284)		
26 09 23 00-0320 EA Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH).....	76.05	16.03
26 09 23 00-0321 Wall Box Transmitters For Radio Controlled Devices (26 09 23 00-0283)		
26 09 23 00-0322 EA On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH).....	310.38	16.03
26 09 23 00-0323 EA Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH).....	335.04	16.03
26 09 23 00-0324 EA Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH).....	335.04	16.03
26 09 23 00-0325 EA Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH).....	335.04	16.03
26 09 23 00-0326 EA Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH).....	335.04	16.03
26 09 23 00-0327 EA Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH).....	335.04	16.03
26 09 23 00-0328 Interfaces For Radio Controlled Devices (26 09 23 00-0283)		
26 09 23 00-0329 EA Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000).....	310.38	16.03
26 09 23 00-0330 EA Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000).....	310.38	16.03
26 09 23 00-0331 EA Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000).....	310.38	16.03
26 09 23 00-0332 EA Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8).....	623.63	16.03
26 09 23 00-0333 EA RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232).....	890.02	16.03
26 09 23 00-0334 EA Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI).....	890.02	16.03
26 09 23 00-0335 Fluorescent Controllers For Radio Controlled Devices (26 09 23 00-0283)		
26 09 23 00-0336 EA On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW).....	396.71	16.03
26 09 23 00-0337 EA Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F).....	446.04	16.03
26 09 23 00-0338 EA Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC).....	520.04	16.03
26 09 23 00-0339 AC Motor Group Controllers For Radio Controlled Devices (26 09 23 00-0283)		
26 09 23 00-0340 EA Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC).....	581.70	16.03
26 09 23 00-0341 EA Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC).....	797.53	16.03
26 09 23 00-0342 RF Wireless Technology, Switches And Dimmers (Lutron® Maestro Wireless®) (26 09 23)		
26 09 23 00-0343 RF Wireless Technology, Switches (Lutron® Maestro Wireless®) (26 09 23 00-0342)		
26 09 23 00-0344 EA 6 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Electronic Switch (Lutron® Maestro Wireless® MRF2-6ANS).....	99.53	21.37
26 09 23 00-0345 EA 8 Amperes Lighting, 5.8 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8ANS-120).....	115.23	21.37
26 09 23 00-0346 EA 8 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8S-DV).....	173.76	21.37
26 09 23 00-0347 EA 120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS).....	73.33	21.37
26 09 23 00-0348 EA 277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS-277).....	87.04	21.37
26 09 23 00-0349 EA 120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS).....	79.08	21.37
26 09 23 00-0350 EA 277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS-277).....	93.08	21.37
26 09 23 00-0351 RF Wireless Technology, Dimmers (Lutron® Maestro Wireless®) (26 09 23 00-0342)		
26 09 23 00-0352 EA 600 Watt, 120 Volt, RF Wireless Technology, Incandescent Dimmer (Lutron® Maestro Wireless® MRF2-600M).....	95.90	21.37
26 09 23 00-0353 EA 600 Watt, 120 Volt, RF Wireless Technology, Magnetic Low Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6MLV).....	103.15	21.37
26 09 23 00-0354 EA 600 Watt, 120 Volt, RF Wireless Technology, Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-6ND-120).....	121.27	21.37
26 09 23 00-0355 EA 1,000 Watt, 120 Volt, RF Wireless Technology, Spec Grade Dimmer (Lutron® Maestro Wireless® MRF2-10D-120).....	131.95	26.72
26 09 23 00-0356 EA 600 Watt, 120 Volt, RF Wireless Technology, Electronic Low-Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6ELV-120).....	156.91	21.37
26 09 23 00-0357 EA 120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R).....	59.36	21.37
26 09 23 00-0358 EA 277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R-277).....	69.33	21.37

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0359	EA	120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD)	62.99	21.37
26 09 23 00-0360	EA	277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD-277)	72.95	21.37
26 09 23 00-0361	EA	6 Amperes, 120/277 Volt, RF Wireless Technology, 3-Wire Fluorescent Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-F6AN-DV)	183.53	37.40
26 09 23 00-0362		Occupancy Sensors (Watt Stopper) (26 09 23) Note: Includes testing of new devices and certification.		
26 09 23 00-0363		Occupancy Sensors (26 09 23 00-0362) Note: Exclude boxes.		
26 09 23 00-0364		Wall Switch Mounted Occupancy Sensors (26 09 23 00-0363)		
26 09 23 00-0365		Ultrasonic, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0364)		
26 09 23 00-0366	EA	Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100)	108.97	10.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.41	
26 09 23 00-0367	EA	Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200)	128.36	10.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.41	
26 09 23 00-0368		Passive Infrared, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0364)		
26 09 23 00-0369	EA	Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100)	90.21	10.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.41	
26 09 23 00-0370	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS)	84.33	10.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.41	
26 09 23 00-0371	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100)	95.31	10.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.41	
26 09 23 00-0372	EA	Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200)	110.14	10.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.41	
26 09 23 00-0373	EA	Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD)	108.92	10.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.41	
26 09 23 00-0374		Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0364)		
26 09 23 00-0375	EA	Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100)	157.90	10.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.41	
26 09 23 00-0376	EA	Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200)	170.17	10.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.41	
26 09 23 00-0377		Wall Switch Mounted Occupancy Sensor Accessories (26 09 23 00-0364)		
26 09 23 00-0378	EA	Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	6.51	2.67
26 09 23 00-0379	EA	One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	7.49	2.67
26 09 23 00-0380	EA	Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	7.49	2.67
26 09 23 00-0381		Ceiling Mounted Occupancy Sensors (26 09 23 00-0363)		
26 09 23 00-0382		Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0381)		
26 09 23 00-0383		25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0382)		
26 09 23 00-0384	EA	500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A)	145.19	24.04
26 09 23 00-0385	EA	1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A)	166.29	24.04
26 09 23 00-0386	EA	2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A)	187.54	24.04
26 09 23 00-0387	EA	90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H)	185.62	24.04
26 09 23 00-0388		32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0382)		
26 09 23 00-0389	EA	600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605)	157.68	24.04
26 09 23 00-0390	EA	1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105)	179.08	24.04
26 09 23 00-0391	EA	2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205)	199.34	24.04
26 09 23 00-0392	EA	90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255)	202.77	24.04
26 09 23 00-0393	EA	600 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600)	170.47	24.04
26 09 23 00-0394	EA	1,100 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100)	192.40	24.04
26 09 23 00-0395	EA	2,200 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200)	214.25	24.04
26 09 23 00-0396	EA	90 LF Hallway Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250)	220.54	24.04
26 09 23 00-0397		40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0382)		
26 09 23 00-0398	EA	500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1)	163.86	24.04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0399 EA 1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2).....	189.43	24.04
26 09 23 00-0400 EA 2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3).....	210.83	24.04
26 09 23 00-0401 EA 500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1).....	154.44	24.04
26 09 23 00-0402 EA 1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2).....	186.66	24.04
26 09 23 00-0403 EA 2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3).....	197.10	24.04
26 09 23 00-0404 EA 500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1).....	165.19	24.04
26 09 23 00-0405 EA 1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2).....	183.74	24.04
26 09 23 00-0406 EA 2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3).....	206.65	24.04
26 09 23 00-0407 Passive Infrared, Ceiling Mounted Occupancy Sensors (26 09 23 00-0381)		
26 09 23 00-0408 EA 30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR).....	120.56	24.04
26 09 23 00-0409 EA HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24).....	123.05	24.04
26 09 23 00-0410 EA Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205).....	128.96	24.04
26 09 23 00-0411 EA Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355).....	144.79	24.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0412 EA Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305).....	146.71	24.04
26 09 23 00-0413 EA Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200).....	155.00	24.04
26 09 23 00-0414 EA Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300).....	168.26	24.04
26 09 23 00-0415 Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0381)		
26 09 23 00-0416 EA 1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355).....	199.16	24.04
26 09 23 00-0417 EA 1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300).....	227.22	24.04
26 09 23 00-0418 EA 1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305).....	193.21	24.04
26 09 23 00-0419 Ceiling/Wall Mounted Occupancy Sensors (26 09 23 00-0363)		
26 09 23 00-0420 Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors (26 09 23 00-0419)		
26 09 23 00-0421 EA 120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3).....	244.03	24.04
26 09 23 00-0422 EA 2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100).....	244.03	24.04
26 09 23 00-0423 Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors (26 09 23 00-0419)		
26 09 23 00-0424 EA 2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200).....	227.22	24.04
26 09 23 00-0425 Occupancy Sensor Power Packs (26 09 23 00-0362)		
26 09 23 00-0426 Single Voltage, Occupancy Sensor Power Packs (26 09 23 00-0425)		
26 09 23 00-0427 EA 220 To 240 Volt AC, 20 Amperes, Occupancy Sensor Power Pack (Watt Stopper B230E-P).....	81.98	21.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.83	
26 09 23 00-0428 EA 347 Volt AC, 15 Amperes, Occupancy Sensor Power Pack (Watt Stopper B347D-P).....	74.85	21.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.83	
26 09 23 00-0429 Auxiliary, Occupancy Sensor Power Packs (26 09 23 00-0425)		
26 09 23 00-0430 EA 120, 277 Or 347 Volt AC, 20 Amperes, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P).....	68.98	21.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.83	
26 09 23 00-0431 Universal Voltage, Power Packs For Occupancy Sensors (26 09 23 00-0425)		
26 09 23 00-0432 EA 120/277 Volt AC, 20 Amperes, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100).....	90.47	21.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.83	
26 09 23 00-0433 Form C, Occupancy Sensor Power Packs (26 09 23 00-0425)		
26 09 23 00-0434 EA 120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P).....	82.30	21.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.83	
26 09 23 00-0435 EA 277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P).....	82.36	21.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.83	
26 09 23 00-0436 Two Relay, Occupancy Sensor Power Packs (26 09 23 00-0425)		
26 09 23 00-0437 EA 120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P).....	102.95	21.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.83	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0438 EA 277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	104.37 12.83	21.37
26 09 23 00-0439 Occupancy Sensor Power Supplies (26 09 23 00-0425)		
26 09 23 00-0440 EA 120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper BZ-100) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.98 12.83	21.37
26 09 23 00-0441 EA 277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	207.37 12.83	21.37
26 09 23 00-0442 Intelligent, Occupancy Sensor Power Packs (26 09 23 00-0425)		
26 09 23 00-0443 EA 120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100).....	273.60	21.37
26 09 23 00-0444 DIN Rail Mounted, Occupancy Sensor Power Packs (26 09 23 00-0425)		
26 09 23 00-0445 EA 120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100).....	89.66	21.37
26 09 23 00-0446 Occupancy Sensor Accessories (26 09 23 00-0362)		
26 09 23 00-0447 Protective Cages For Occupancy Sensors (26 09 23 00-0446)		
26 09 23 00-0448 EA Protective Cage For Occupancy Sensors (Watt Stopper WC).....	51.02	8.01
26 09 23 00-0449 Mounting Brackets For Occupancy Sensors (26 09 23 00-0446)		
26 09 23 00-0450 EA Mounting Bracket For Occupancy Sensor (Watt Stopper MB)..... <i>Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.</i>	40.69	13.36
26 09 23 00-0451 Occupancy/Lighting Logger (26 09 23 00-0446) <i>Note: Logs when a space is occupied/vacant and when lighting is on/off.</i>		
26 09 23 00-0452 EA Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200).....	377.17	45.42
26 09 23 00-0453 Remove And Reinstall Occupancy Sensors (26 09 23 00-0446)		
26 09 23 00-0454 EA Removal And Reinstallation Of Surface Mounted Occupancy Sensor..... <i>Note: Includes storing and cleaning.</i>	72.13	
26 09 23 00-0455 EA Removal And Reinstallation Of Wall Switch Mounted Occupancy Sensor..... <i>Note: Includes storing and cleaning.</i>	32.06	
26 09 23 00-0456 Digital Time Light Switches (26 09 23 00-0362)		
26 09 23 00-0457 EA Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400).....	81.55	10.69
26 09 23 00-0458 Occupancy Sensors (Sensor Switch) (26 09 23) <i>Note: Includes testing of new devices and certification.</i>		
26 09 23 00-0459 Occupancy Sensors (Sensor Switch) (26 09 23 00-0458) <i>Note: Exclude boxes</i>		
26 09 23 00-0460 Wall Switch Mount Occupancy Sensors (Sensor Switch) (26 09 23 00-0459)		
26 09 23 00-0461 Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch) (26 09 23 00-0460)		
26 09 23 00-0462 EA Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV)..... <i>For Low Temp/High Humidity Option, Add</i> <i>For Low Voltage Relay Option, Add</i>	144.70 9.34 11.21	10.69
26 09 23 00-0463 EA Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.59 6.41	10.69
26 09 23 00-0464 EA Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD)..... <i>For Low Temp/High Humidity Option, Add</i> <i>For Photocell (Inhibit Mode Only) Option, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.07 9.34 11.21 6.41	10.69
26 09 23 00-0465 EA Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA)..... <i>For Low Temp/High Humidity Option, Add</i> <i>For Photocell (Inhibit Mode Only) Option, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.07 9.34 11.21 6.41	10.69
26 09 23 00-0466 EA 2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P)..... <i>For Low Temp/High Humidity Option, Add</i> <i>For Photocell (Inhibit Mode Only) Option, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	124.14 9.34 11.21 6.41	10.69
26 09 23 00-0467 EA Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS)..... <i>For Low Temp/High Humidity Option, Add</i> <i>For Photocell (Inhibit Mode Only) Option, Add</i>	124.14 9.34 11.21	10.69
26 09 23 00-0468 EA 2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P)..... <i>For Low Temp/High Humidity Option, Add</i> <i>For Photocell (Inhibit Mode Only) Option, Add</i>	149.85 9.34 11.21	10.69



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0469 EA Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD).....	124.14	10.69
For Low Temp/High Humidity Option, Add	9.34	
For Photocell (Inhibit Mode Only) Option, Add	11.21	
26 09 23 00-0470 Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch)		
(26 09 23 00-0460)		
Note: Includes passive infrared and microphonics detection		
26 09 23 00-0471 EA Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV).....	185.81	10.69
For Low Temp/High Humidity Option, Add	9.34	
For Low Voltage Relay Option, Add	11.21	
26 09 23 00-0472 EA Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL).....	144.70	10.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.41	
26 09 23 00-0473 EA Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT)	141.62	10.69
For Low Temp/High Humidity Option, Add	9.34	
For Photocell (Inhibit Mode Only) Option, Add	11.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.41	
26 09 23 00-0474 EA Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA).....	141.62	10.69
For Low Temp/High Humidity Option, Add	9.34	
For Photocell (Inhibit Mode Only) Option, Add	11.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.41	
26 09 23 00-0475 EA 2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P)	165.25	10.69
For Low Temp/High Humidity Option, Add	9.34	
For Photocell (Inhibit Mode Only) Option, Add	11.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.41	
26 09 23 00-0476 EA Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT).....	165.25	10.69
For Low Temp/High Humidity Option, Add	9.34	
For Photocell (Inhibit Mode Only) Option, Add	11.21	
26 09 23 00-0477 EA 2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P)	177.59	10.69
For Low Temp/High Humidity Option, Add	9.34	
For Photocell (Inhibit Mode Only) Option, Add	11.21	
26 09 23 00-0478 Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch)		
(0460)		
26 09 23 00-0479 EA One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX)	13.56	2.67
26 09 23 00-0480 EA One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX).....	13.56	2.67
26 09 23 00-0481 EA Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3)	25.89	2.67
26 09 23 00-0482 EA Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3).....	25.89	2.67
26 09 23 00-0483 360 Degree View Occupancy Sensors (Sensor Switch)		
(26 09 23 00-0459)		
26 09 23 00-0484 Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch)		
(26 09 23 00-0483)		
Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0485 EA Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9)	171.42	24.04
For Low Temp/High Humidity Option, Add	9.34	
For Low Voltage Relay Option, Add	11.21	
For Photocell (Inhibit Mode Only) Option, Add	11.21	
For Occupancy Controlled Dimming Option, Add	18.69	
For Photocell Option With Dimming Capability, Add	28.03	
26 09 23 00-0486 EA Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9)	171.42	24.04
For Low Temp/High Humidity Option, Add	9.34	
For Low Voltage Relay Option, Add	11.21	
For Photocell (Inhibit Mode Only) Option, Add	11.21	
For Occupancy Controlled Dimming Option, Add	18.69	
For Photocell Option With Dimming Capability, Add	28.03	
26 09 23 00-0487 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9).....	171.42	24.04
For Low Temp/High Humidity Option, Add	9.34	
For Low Voltage Relay Option, Add	11.21	
For Photocell (Inhibit Mode Only) Option, Add	11.21	
For Occupancy Controlled Dimming Option, Add	18.69	
For Photocell Option With Dimming Capability, Add	28.03	
26 09 23 00-0488 EA Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9)	181.70	24.04
For Low Temp/High Humidity Option, Add	9.34	
For Photocell (Inhibit Mode Only) Option, Add	11.21	
For Occupancy Controlled Dimming Option, Add	18.69	
For Photocell Option With Dimming Capability, Add	28.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0489 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9)	181.70	24.04
For Low Temp/High Humidity Option, Add	9.34	
For Photocell (Inhibit Mode Only) Option, Add	11.21	
For Occupancy Controlled Dimming Option, Add	18.69	
For Photocell Option With Dimming Capability, Add	28.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	

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MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0490	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9).....	148.81	24.04	
		For Low Temp/High Humidity Option, Add	9.34		
		For Photocell (Inhibit Mode Only) Option, Add	11.21		
		For Occupancy Controlled Dimming Option, Add	18.69		
		For Photocell Option With Dimming Capability, Add	28.03		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43		
26 09 23 00-0491	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P).....	222.81	24.04	
		For Low Temp/High Humidity Option, Add	9.34		
		For Photocell (Inhibit Mode Only) Option, Add	11.21		
		For Photocell Option With Dual Zone On/Off, Add	28.03		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43		
26 09 23 00-0492	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P).....	222.81	24.04	
		For Low Temp/High Humidity Option, Add	9.34		
		For Photocell (Inhibit Mode Only) Option, Add	11.21		
		For Photocell Option With Dual Zone On/Off, Add	28.03		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43		
26 09 23 00-0493	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P).....	189.92	24.04	
		For Low Temp/High Humidity Option, Add	9.34		
		For Photocell (Inhibit Mode Only) Option, Add	11.21		
		For Photocell Option With Dual Zone On/Off, Add	28.03		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43		
26 09 23 00-0494	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10).....	171.42	24.04	
		For Low Temp/High Humidity Option, Add	9.34		
		For Low Voltage Relay Option, Add	11.21		
		For Photocell (Inhibit Mode Only) Option, Add	11.21		
		For Occupancy Controlled Dimming Option, Add	18.69		
		For Photocell Option With Dimming Capability, Add	28.03		
26 09 23 00-0495	EA	Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10).....	171.42	24.04	
		For Low Temp/High Humidity Option, Add	9.34		
		For Low Voltage Relay Option, Add	11.21		
		For Photocell (Inhibit Mode Only) Option, Add	11.21		
		For Occupancy Controlled Dimming Option, Add	18.69		
		For Photocell Option With Dimming Capability, Add	28.03		
26 09 23 00-0496	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10).....	171.42	24.04	
		For Low Temp/High Humidity Option, Add	9.34		
		For Low Voltage Relay Option, Add	11.21		
		For Photocell (Inhibit Mode Only) Option, Add	11.21		
		For Occupancy Controlled Dimming Option, Add	18.69		
		For Photocell Option With Dimming Capability, Add	28.03		
26 09 23 00-0497	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10).....	181.70	24.04	
		For Low Temp/High Humidity Option, Add	9.34		
		For Photocell (Inhibit Mode Only) Option, Add	11.21		
		For Occupancy Controlled Dimming Option, Add	18.69		
		For Photocell Option With Dimming Capability, Add	28.03		
26 09 23 00-0498	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10).....	181.70	24.04	
		For Low Temp/High Humidity Option, Add	9.34		
		For Photocell (Inhibit Mode Only) Option, Add	11.21		
		For Occupancy Controlled Dimming Option, Add	18.69		
		For Photocell Option With Dimming Capability, Add	28.03		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43		
26 09 23 00-0499	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10).....	148.81	24.04	
		For Low Temp/High Humidity Option, Add	9.34		
		For Photocell (Inhibit Mode Only) Option, Add	11.21		
		For Occupancy Controlled Dimming Option, Add	18.69		
		For Photocell Option With Dimming Capability, Add	28.03		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43		
26 09 23 00-0500	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P).....	222.81	24.04	
		For Low Temp/High Humidity Option, Add	9.34		
		For Photocell (Inhibit Mode Only) Option, Add	11.21		
		For Photocell Option With Dual Zone On/Off, Add	28.03		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43		
26 09 23 00-0501	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P).....	222.81	24.04	
		For Low Temp/High Humidity Option, Add	9.34		
		For Photocell (Inhibit Mode Only) Option, Add	11.21		
		For Photocell Option With Dual Zone On/Off, Add	28.03		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43		
26 09 23 00-0502	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P).....	189.92	24.04	
		For Low Temp/High Humidity Option, Add	9.34		
		For Photocell (Inhibit Mode Only) Option, Add	11.21		
		For Photocell Option With Dual Zone On/Off, Add	28.03		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43		



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0503		Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch) ⁽²⁶⁾ <small>(09 23 00-0483)</small> Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0504	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9)	212.53	24.04
		For Low Temp/High Humidity Option, Add	9.34	
		For Low Voltage Relay Option, Add	11.21	
		For Photocell (Inhibit Mode Only) Option, Add	11.21	
		For Occupancy Controlled Dimming Option, Add	18.69	
		For Photocell Option With Dimming Capability, Add	28.03	
26 09 23 00-0505	EA	Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9)	212.53	24.04
		For Low Temp/High Humidity Option, Add	9.34	
		For Low Voltage Relay Option, Add	11.21	
		For Photocell (Inhibit Mode Only) Option, Add	11.21	
		For Occupancy Controlled Dimming Option, Add	18.69	
		For Photocell Option With Dimming Capability, Add	28.03	
26 09 23 00-0506	EA	Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9)	212.53	24.04
		For Low Temp/High Humidity Option, Add	9.34	
		For Low Voltage Relay Option, Add	11.21	
		For Photocell (Inhibit Mode Only) Option, Add	11.21	
		For Occupancy Controlled Dimming Option, Add	18.69	
		For Photocell Option With Dimming Capability, Add	28.03	
26 09 23 00-0507	EA	Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9)	202.25	24.04
		For Low Temp/High Humidity Option, Add	9.34	
		For Photocell (Inhibit Mode Only) Option, Add	11.21	
		For Occupancy Controlled Dimming Option, Add	18.69	
		For Photocell Option With Dimming Capability, Add	28.03	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0508	EA	Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9)	202.25	24.04
		For Low Temp/High Humidity Option, Add	9.34	
		For Photocell (Inhibit Mode Only) Option, Add	11.21	
		For Occupancy Controlled Dimming Option, Add	18.69	
		For Photocell Option With Dimming Capability, Add	28.03	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0509	EA	Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9)	169.36	24.04
		For Low Temp/High Humidity Option, Add	9.34	
		For Photocell (Inhibit Mode Only) Option, Add	11.21	
		For Occupancy Controlled Dimming Option, Add	18.69	
		For Photocell Option With Dimming Capability, Add	28.03	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0510	EA	2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P)	243.36	24.04
		For Low Temp/High Humidity Option, Add	9.34	
		For Photocell (Inhibit Mode Only) Option, Add	11.21	
		For Photocell Option With Dual Zone On/Off, Add	28.03	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0511	EA	2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P)	243.36	24.04
		For Low Temp/High Humidity Option, Add	9.34	
		For Photocell (Inhibit Mode Only) Option, Add	11.21	
		For Photocell Option With Dual Zone On/Off, Add	28.03	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0512	EA	2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P)	210.47	24.04
		For Low Temp/High Humidity Option, Add	9.34	
		For Photocell (Inhibit Mode Only) Option, Add	11.21	
		For Photocell Option With Dual Zone On/Off, Add	28.03	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0513	EA	Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10)	212.53	24.04
		For Low Temp/High Humidity Option, Add	9.34	
		For Low Voltage Relay Option, Add	11.21	
		For Photocell (Inhibit Mode Only) Option, Add	11.21	
		For Occupancy Controlled Dimming Option, Add	18.69	
		For Photocell Option With Dimming Capability, Add	28.03	
26 09 23 00-0514	EA	Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10)	212.53	24.04
		For Low Temp/High Humidity Option, Add	9.34	
		For Low Voltage Relay Option, Add	11.21	
		For Photocell (Inhibit Mode Only) Option, Add	11.21	
		For Occupancy Controlled Dimming Option, Add	18.69	
		For Photocell Option With Dimming Capability, Add	28.03	
26 09 23 00-0515	EA	Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10)	212.53	24.04
		For Low Temp/High Humidity Option, Add	9.34	
		For Low Voltage Relay Option, Add	11.21	
		For Photocell (Inhibit Mode Only) Option, Add	11.21	
		For Occupancy Controlled Dimming Option, Add	18.69	
		For Photocell Option With Dimming Capability, Add	28.03	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0516	EA	Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10)	202.25	24.04
		For Low Temp/High Humidity Option, Add	9.34	
		For Photocell (Inhibit Mode Only) Option, Add	11.21	
		For Occupancy Controlled Dimming Option, Add	18.69	
		For Photocell Option With Dimming Capability, Add	28.03	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0517	EA	Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10)	202.25	24.04
		For Low Temp/High Humidity Option, Add	9.34	
		For Photocell (Inhibit Mode Only) Option, Add	11.21	
		For Occupancy Controlled Dimming Option, Add	18.69	
		For Photocell Option With Dimming Capability, Add	28.03	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0518	EA	Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10)	169.36	24.04
		For Low Temp/High Humidity Option, Add	9.34	
		For Photocell (Inhibit Mode Only) Option, Add	11.21	
		For Occupancy Controlled Dimming Option, Add	18.69	
		For Photocell Option With Dimming Capability, Add	28.03	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0519	EA	2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P)	243.36	24.04
		For Low Temp/High Humidity Option, Add	9.34	
		For Photocell (Inhibit Mode Only) Option, Add	11.21	
		For Photocell Option With Dual Zone On/Off, Add	28.03	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0520	EA	2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P)	243.36	24.04
		For Low Temp/High Humidity Option, Add	9.34	
		For Photocell (Inhibit Mode Only) Option, Add	11.21	
		For Photocell Option With Dual Zone On/Off, Add	28.03	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0521	EA	2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P)	210.47	24.04
		For Low Temp/High Humidity Option, Add	9.34	
		For Photocell (Inhibit Mode Only) Option, Add	11.21	
		For Photocell Option With Dual Zone On/Off, Add	28.03	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0522		Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0459)		
26 09 23 00-0523		Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0522)		
26 09 23 00-0524	EA	Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16)	171.42	24.04
		For Low Temp/High Humidity Option, Add	9.34	
		For Low Voltage Relay Option, Add	11.21	
		For Photocell (Inhibit Mode Only) Option, Add	11.21	
		For Ceiling Mount, Add	18.69	
26 09 23 00-0525	EA	Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13)	191.97	24.04
		For Low Temp/High Humidity Option, Add	9.34	
		For Low Voltage Relay Option, Add	11.21	
		For Photocell (Inhibit Mode Only) Option, Add	11.21	
		For Ceiling Mount, Add	18.69	
26 09 23 00-0526	EA	Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13)	233.08	24.04
		For Low Temp/High Humidity Option, Add	9.34	
		For Ceiling Mount, Add	18.69	
26 09 23 00-0527	EA	Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16)	222.81	24.04
		For Low Temp/High Humidity Option, Add	9.34	
		For Photocell (Inhibit Mode Only) Option, Add	11.21	
		For Ceiling Mount, Add	18.69	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0528	EA	2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P)	263.92	24.04
		For Low Temp/High Humidity Option, Add	9.34	
		For Photocell (Inhibit Mode Only) Option, Add	11.21	
		For Ceiling Mount, Add	18.69	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0529		Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0522)		
		Note: Includes passive infrared and microphonics detection		
26 09 23 00-0530	EA	Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16)	212.53	24.04
		For Low Temp/High Humidity Option, Add	9.34	
		For Low Voltage Relay Option, Add	11.21	
		For Photocell (Inhibit Mode Only) Option, Add	11.21	
		For Ceiling Mount, Add	18.69	
26 09 23 00-0531	EA	Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16)	243.36	24.04
		For Low Temp/High Humidity Option, Add	9.34	
		For Photocell (Inhibit Mode Only) Option, Add	11.21	
		For Ceiling Mount, Add	18.69	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0532	EA		2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P).....	284.47	24.04
			For Low Temp/High Humidity Option, Add	9.34	
			For Photocell (Inhibit Mode Only) Option, Add	11.21	
			For Ceiling Mount, Add	18.69	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0533			High Bay Occupancy Sensors (Sensor Switch) (26 09 23 00-0459)		
26 09 23 00-0534			Passive Infrared, High Bay Occupancy Sensors (Sensor Switch) (26 09 23 00-0533)		
26 09 23 00-0535	EA		Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6).....	171.42	24.04
			For Low Temp/High Humidity Option, Add	9.34	
			For Low Voltage Relay Option, Add	11.21	
			For Photocell Option, Add	18.69	
			For Occupancy Controlled Dimming Option, Add	18.69	
26 09 23 00-0536	EA		Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6).....	171.42	24.04
			For Low Temp/High Humidity Option, Add	9.34	
			For Low Voltage Relay Option, Add	11.21	
			For Photocell Option, Add	18.69	
			For Occupancy Controlled Dimming Option, Add	18.69	
26 09 23 00-0537	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6).....	171.42	24.04
			For Low Temp/High Humidity Option, Add	9.34	
			For Low Voltage Relay Option, Add	11.21	
			For Photocell Option, Add	18.69	
			For Occupancy Controlled Dimming Option, Add	18.69	
26 09 23 00-0538	EA		Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6).....	148.81	24.04
			For Low Temp/High Humidity Option, Add	9.34	
			For Start To High, HID Option, Add	11.21	
			For Photocell Option, Add	18.69	
			For Occupancy Controlled Dimming Option, Add	18.69	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0539	EA		Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6).....	148.81	24.04
			For Low Temp/High Humidity Option, Add	9.34	
			For Start To High, HID Option, Add	11.21	
			For Photocell Option, Add	18.69	
			For Occupancy Controlled Dimming Option, Add	18.69	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0540	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6).....	148.81	24.04
			For Low Temp/High Humidity Option, Add	9.34	
			For Start To High, HID Option, Add	11.21	
			For Photocell Option, Add	18.69	
			For Occupancy Controlled Dimming Option, Add	18.69	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0541	EA		2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P).....	189.92	24.04
			For Low Temp/High Humidity Option, Add	9.34	
			For Photocell Option, Add	18.69	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0542	EA		2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P).....	189.92	24.04
			For Low Temp/High Humidity Option, Add	9.34	
			For Photocell Option, Add	18.69	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0543	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P).....	189.92	24.04
			For Low Temp/High Humidity Option, Add	9.34	
			For Photocell Option, Add	18.69	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0544	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208).....	163.20	24.04
			For Low Temp/High Humidity Option, Add	9.34	
			For Photocell Option, Add	18.69	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0545	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208).....	163.20	24.04
			For Low Temp/High Humidity Option, Add	9.34	
			For Photocell Option, Add	18.69	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0546	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208).....	163.20	24.04
			For Low Temp/High Humidity Option, Add	9.34	
			For Photocell Option, Add	18.69	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0547	EA		480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480).....	163.20	24.04
			For Low Temp/High Humidity Option, Add	9.34	
			For Photocell Option, Add	18.69	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0548	EA		480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480).....	163.20	24.04
			For Low Temp/High Humidity Option, Add	9.34	
			For Photocell Option, Add	18.69	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0549	EA		480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480).....	163.20	24.04
			For Low Temp/High Humidity Option, Add	9.34	
			For Photocell Option, Add	18.69	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0550	EA		Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50).....	191.97	24.04
			For Low Temp/High Humidity Option, Add	9.34	
			For Low Voltage Relay Option, Add	11.21	
			For Occupancy Controlled Dimming Option, Add	18.69	
26 09 23 00-0551	EA		Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50).....	191.97	24.04
			For Low Temp/High Humidity Option, Add	9.34	
			For Low Voltage Relay Option, Add	11.21	
			For Occupancy Controlled Dimming Option, Add	18.69	
26 09 23 00-0552	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50).....	191.97	24.04
			For Low Temp/High Humidity Option, Add	9.34	
			For Low Voltage Relay Option, Add	11.21	
			For Photocell Option, Add	18.69	
			For Occupancy Controlled Dimming Option, Add	18.69	
26 09 23 00-0553	EA		Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50).....	231.03	24.04
			For Low Temp/High Humidity Option, Add	9.34	
			For Start To High, HID Option, Add	11.21	
			For Occupancy Controlled Dimming Option, Add	18.69	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0554	EA		Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50).....	231.03	24.04
			For Low Temp/High Humidity Option, Add	9.34	
			For Start To High, HID Option, Add	11.21	
			For Occupancy Controlled Dimming Option, Add	18.69	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0555	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50).....	231.03	24.04
			For Low Temp/High Humidity Option, Add	9.34	
			For Start To High, HID Option, Add	11.21	
			For Photocell Option, Add	18.69	
			For Occupancy Controlled Dimming Option, Add	18.69	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0556	EA		2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P).....	204.31	24.04
			For Low Temp/High Humidity Option, Add	9.34	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0557	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P).....	204.31	24.04
			For Low Temp/High Humidity Option, Add	9.34	
			For Photocell Option, Add	18.69	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0558	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208).....	173.47	24.04
			For Low Temp/High Humidity Option, Add	9.34	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0559	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208).....	173.47	24.04
			For Low Temp/High Humidity Option, Add	9.34	
			For Photocell Option, Add	18.69	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0560	EA		480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480).....	173.47	24.04
			For Low Temp/High Humidity Option, Add	9.34	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0561	EA		480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480).....	173.47	24.04
			For Low Temp/High Humidity Option, Add	9.34	
			For Photocell Option, Add	18.69	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0562	EA		Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10).....	191.97	24.04
			For Low Temp/High Humidity Option, Add	9.34	
			For Low Voltage Relay Option, Add	11.21	
			For Occupancy Controlled Dimming Option, Add	18.69	
26 09 23 00-0563	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10).....	191.97	24.04
			For Low Temp/High Humidity Option, Add	9.34	
			For Low Voltage Relay Option, Add	11.21	
			For Occupancy Controlled Dimming Option, Add	18.69	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0564	EA	Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10)	231.03	24.04
		For Low Temp/High Humidity Option, Add	9.34	
		For Start To High, HID Option, Add	11.21	
		For Occupancy Controlled Dimming Option, Add	18.69	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0565	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10)	231.03	24.04
		For Low Temp/High Humidity Option, Add	9.34	
		For Start To High, HID Option, Add	11.21	
		For Occupancy Controlled Dimming Option, Add	18.69	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0566	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P)	222.81	24.04
		For Low Temp/High Humidity Option, Add	9.34	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0567	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480)	202.25	24.04
		For Low Temp/High Humidity Option, Add	9.34	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0568	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208)	202.25	24.04
		For Low Temp/High Humidity Option, Add	9.34	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0569 Occupancy Sensor Power Packs (Sensor Switch) (26 09 23 00-0458)				
26 09 23 00-0570	EA	Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20)	100.30	21.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.83	
26 09 23 00-0571	EA	2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P)	141.41	21.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.83	
26 09 23 00-0572	EA	Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20)	79.75	21.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.83	
26 09 23 00-0573	EA	2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20)	73.58	21.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.83	
26 09 23 00-0574	EA	20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20)	94.14	21.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.83	
26 09 23 00-0575	EA	120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH)	145.52	21.37
		For Low Temp/High Humidity Option, Add	9.34	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.83	
26 09 23 00-0576	EA	120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR)	145.52	21.37
		For Low Temp/High Humidity Option, Add	9.34	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.83	
26 09 23 00-0577	EA	120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM)	145.52	21.37
		For Low Temp/High Humidity Option, Add	9.34	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.83	
26 09 23 00-0578 Occupancy Sensor Accessories (Sensor Switch) (26 09 23 00-0458)				
26 09 23 00-0579 Remove And Reinstall Occupancy Sensors (26 09 23 00-0578)				
26 09 23 00-0580	EA	Removal And Reinstallation Of Wall Switch Mounted Occupancy Sensor	32.06	
		Note: Includes storing and cleaning.		
26 09 23 00-0581	EA	Removal And Reinstallation Of Surface Mounted Occupancy Sensor	72.13	
		Note: Includes storing and cleaning.		
26 09 23 00-0582 Daylighting Control (Sensor Switch) (26 09 23 00-0458)				
26 09 23 00-0583	EA	Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC)	150.86	24.04
		For Low Temp/High Humidity Option, Add	9.34	
		For Dual Zone Option, Add	28.03	
26 09 23 00-0584	EA	Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC)	150.86	24.04
		For Low Temp/High Humidity Option, Add	9.34	
		For Dual Zone Option, Add	28.03	
26 09 23 00-0585	EA	Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC)	150.86	24.04
		For Low Temp/High Humidity Option, Add	9.34	
		For Dual Zone Option, Add	28.03	
26 09 23 00-0586	EA	Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC)	150.86	24.04
		For Low Temp/High Humidity Option, Add	9.34	
		For 480 Volt AC Option, Add	13.08	
		For Dual Zone Option, Add	28.03	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 09 23 00-0587	EA	Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC)	150.86	24.04
		For Low Temp/High Humidity Option, Add	9.34	
		For 480 Volt AC Option, Add	13.08	
		For Dual Zone Option, Add	28.03	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0588	EA	Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC) <i>For Low Temp/High Humidity Option, Add</i> <i>For 480 Volt AC Option, Add</i> <i>For Dual Zone Option, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	150.86 9.34 13.08 28.03 14.43	24.04
26 09 23 00-0589	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC) <i>For Low Temp/High Humidity Option, Add</i> <i>For Dual Zone Option, Add</i>	150.86 9.34 28.03	24.04
26 09 23 00-0590	EA	Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC) <i>For Low Temp/High Humidity Option, Add</i> <i>For Dual Zone Option, Add</i>	150.86 9.34 28.03	24.04
26 09 23 00-0591	EA	Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC) <i>For Low Temp/High Humidity Option, Add</i> <i>For Dual Zone Option, Add</i>	150.86 9.34 28.03	24.04
26 09 23 00-0592	EA	Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC) <i>For Low Temp/High Humidity Option, Add</i> <i>For Dual Zone Option, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	150.86 9.34 28.03 14.43	24.04
26 09 23 00-0593	EA	Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC) <i>For Low Temp/High Humidity Option, Add</i> <i>For Dual Zone Option, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	150.86 9.34 28.03 14.43	24.04
26 09 23 00-0594	EA	Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC) <i>For Low Temp/High Humidity Option, Add</i> <i>For Dual Zone Option, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	150.86 9.34 28.03 14.43	24.04
26 09 23 00-0595	EA	Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC) <i>For Low Temp/High Humidity Option, Add</i> <i>For Dual Zone Option, Add</i>	212.53 9.34 28.03	24.04
26 09 23 00-0596	EA	Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC) <i>For Low Temp/High Humidity Option, Add</i> <i>For Dual Zone Option, Add</i>	212.53 9.34 28.03	24.04
26 09 23 00-0597	EA	Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC) <i>For Low Temp/High Humidity Option, Add</i> <i>For Dual Zone Option, Add</i>	212.53 9.34 28.03	24.04
26 09 23 00-0598	EA	Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC) <i>For Low Temp/High Humidity Option, Add</i> <i>For Dual Zone Option, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	212.53 9.34 28.03 14.43	24.04
26 09 23 00-0599	EA	Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC) <i>For Low Temp/High Humidity Option, Add</i> <i>For Dual Zone Option, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	212.53 9.34 28.03 14.43	24.04
26 09 23 00-0600	EA	Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC) <i>For Low Temp/High Humidity Option, Add</i> <i>For Dual Zone Option, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	212.53 9.34 28.03 14.43	24.04
26 09 23 00-0601		Occupancy Sensors (Sensor Switch nLight®) (26 09 23) Note: Includes testing of new devices and certification.		
26 09 23 00-0602		Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0601) Note: Excludes boxes.		
26 09 23 00-0603		Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0602)		
26 09 23 00-0604		Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0603) Note: Includes passive infrared and microphonics detection		
26 09 23 00-0605	EA	Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX)	222.09	10.69
26 09 23 00-0606		360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0602)		
26 09 23 00-0607		Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0606) Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0608	EA	Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9)	268.66	24.04
26 09 23 00-0609	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10)	268.66	24.04
26 09 23 00-0610	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC)	268.66	24.04
26 09 23 00-0611		Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0606) Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0612 EA Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9).....	312.77	24.04
26 09 23 00-0613 EA Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10).....	312.77	24.04
26 09 23 00-0614 EA 2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P).....	323.78	24.04
26 09 23 00-0615 Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0602)		
26 09 23 00-0616 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0615) Note: Includes passive infrared and microphonics detection		
26 09 23 00-0617 EA Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16).....	312.77	24.04
26 09 23 00-0618 High Bay Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0601)		
26 09 23 00-0619 Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0618)		
26 09 23 00-0620 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6).....	268.66	24.04
26 09 23 00-0621 Occupancy Sensor Power Packs (Sensor Switch nLight®) (26 09 23 00-0601)		
26 09 23 00-0622 EA 150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150).....	97.89	21.37
26 09 23 00-0623 EA 250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250).....	119.97	21.37
26 09 23 00-0624 EA 30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO).....	157.44	21.37
26 09 23 00-0625 EA System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16).....	157.44	21.37
26 09 23 00-0626 Occupancy Sensor Accessories (Sensor Switch nLight®) (26 09 23 00-0601)		
26 09 23 00-0627 EA RS232 AV Integrator (Sensor Switch nLight® nIO X).....	323.78	24.04
26 09 23 00-0628 EA 8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT).....	264.09	24.04
26 09 23 00-0629 Daylighting Controls (Sensor Switch nLight®) (26 09 23 00-0601)		
26 09 23 00-0630 EA Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC).....	224.54	24.04
26 09 23 00-0631 Controls (Sensor Switch nLight®) (26 09 23 00-0601)		
26 09 23 00-0632 EA On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX).....	151.76	24.04
26 09 23 00-0633 EA 1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB).....	213.53	24.04
26 09 23 00-0634 EA On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM).....	478.20	24.04
26 09 23 00-0635 EA 3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX).....	478.20	24.04
26 09 23 00-0636 EA 3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2).....	1,757.48	24.04
26 09 23 00-0637 Occupancy Sensors (Lutron) (26 09 23) Note: Includes testing of new devices and certification.		
26 09 23 00-0638 Wireless Occupancy Sensors (26 09 23 00-0637)		
26 09 23 00-0639 EA Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH).....	116.02	24.04
26 09 23 00-0640 EA Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Vacancy Sensor (Lutron® LRF2-VCR2B-P-WH).....	120.57	24.04
26 09 23 00-0641 EA Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH).....	117.11	24.04
26 09 23 00-0642 EA Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH).....	123.14	24.04
26 09 23 00-0643 EA Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH).....	118.46	24.04
26 09 23 00-0644 EA Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH).....	123.14	24.04
26 09 23 00-0645 EA Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH).....	116.02	24.04
26 09 23 00-0646 EA Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH).....	118.46	24.04
26 09 23 00-0647 EA Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V).....	117.11	24.04
26 09 23 00-0648 EA Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH).....	173.96	24.04
26 09 23 00-0649 EA Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH).....	184.79	24.04
26 09 23 00-0650 EA Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH).....	209.15	24.04
26 09 23 00-0651 EA Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH).....	219.98	24.04
26 09 23 00-0652 EA Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH).....	225.39	24.04
26 09 23 00-0653 EA Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH).....	236.22	24.04
26 09 23 00-0654 EA Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH).....	139.85	24.04

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0655 EA Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH).....	146.89	24.04
26 09 23 00-0656 EA Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH).....	169.90	24.04
26 09 23 00-0657 EA Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH).....	187.49	24.04
26 09 23 00-0658 EA Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH).....	201.03	24.04
26 09 23 00-0659 EA Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH).....	175.31	24.04
26 09 23 00-0660 EA Wireless, Passive Infrared, RF Daylight Sensor (Lutron® LRF2-DCRB-WH).....	162.14	24.04
26 09 23 00-0661 EA Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-SIR-HD-WH).....	137.68	24.04
26 09 23 00-0662 EA Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor, Dual Circuit (Lutron® LOS-S2IR-HD-WH).....	166.52	24.04
26 09 23 00-0663 EA Wireless, Switch and Ceiling Retrofit Sensor (Lutron® MRF2-1S8A-10C).....	199.52	24.04
26 09 23 00-0664 EA Wireless, Switch and Hallway Retrofit Sensor (Lutron® MRF2-1S8A-10H).....	210.99	24.04
26 09 23 00-0665 EA Wireless, Switch and Corner Retrofit Sensor (Lutron® MRF2-1S8A-10K).....	210.99	24.04
26 09 23 00-0666 EA Wireless, Switch and Wall Retrofit Sensor (Lutron® MRF2-1S8A-10W).....	210.99	24.04
26 09 23 00-0667 EA Wireless, Switch and Vacancy Retrofit Sensor (Lutron® MRF2-1S8A-10V).....	221.50	24.04
26 09 23 00-0668 EA Wireless, Two Switchs and Wall Retrofit Sensor (Lutron® MRF2-2S8A-10W).....	357.04	34.73
26 09 23 00-0669 Nodes And Modules (26 09 23 00-0637)		
26 09 23 00-0670 EA 0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C).....	180.72	24.04
26 09 23 00-0671 EA 0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J).....	180.72	24.04
26 09 23 00-0672 EA 4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C).....	225.39	24.04
26 09 23 00-0673 EA 4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J).....	225.39	24.04
26 09 23 00-0674 EA 120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH).....	286.23	26.72
26 09 23 00-0675 EA 120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH).....	286.23	26.72
26 09 23 00-0676 EA 120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH).....	344.43	26.72
26 09 23 00-0677 EA 120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH).....	352.55	26.72
26 09 23 00-0678 EA 120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH).....	432.41	26.72
26 09 23 00-0679 EA 120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH).....	458.13	26.72
26 09 23 00-0680 EA 120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH).....	483.85	26.72
26 09 23 00-0681 EA 1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2).....	1,293.53	42.75
26 09 23 00-0682 EA 2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4).....	1,273.76	48.09
26 09 23 00-0683 EA 3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6).....	1,859.71	53.43
26 09 23 00-0684 Other Accessories (26 09 23 00-0637)		
26 09 23 00-0685 EA Pico® Wireless Control Wallplate Adapter (Lutron® PJ).....	33.60	
26 09 23 00-0686 EA Pico® Wireless Control (Lutron® PJ).....	35.72	
26 09 23 00-0687 EA 4-Scene Wireless Remote Control (Lutron® GRX-IT-WH).....	105.43	
26 09 23 00-0688 EA 8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH).....	198.82	
26 09 23 00-0689 EA 4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL).....	217.58	24.04
26 09 23 00-0690 EA seeTouch® QS Wallstation (Lutron® QSWS2).....	272.44	24.04
26 09 23 00-0691 EA seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2).....	272.44	24.04
26 09 23 00-0692 EA 120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S).....	440.53	26.72
26 09 23 00-0693 EA 120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S).....	598.90	26.72
26 09 23 00-0694 EA Control Interface (Lutron® QSE-CI-NWK-E).....	716.73	24.04
26 09 23 00-0695 EA 1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S).....	711.33	24.04
26 09 23 00-0696 EA 2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S).....	948.20	24.04
26 09 23 00-0697 MLF 5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S).....	1,899.30	746.63
26 09 23 00-0698 MLF 5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S).....	2,440.73	746.63
26 09 23 00-0699 Fixture Mounted Occupancy Sensors (Leviton) (26 09 23)		
Note: Includes testing of new devices and certification.		
26 09 23 00-0700 EA 120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW).....	111.69	24.04
26 09 23 00-0701 EA 480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-14W).....	99.24	24.04
26 09 23 00-0702 EA 120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW).....	121.98	24.04
26 09 23 00-0703 EA 480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W).....	99.24	24.04
26 09 23 00-0704 EA 120-347 Volt, Dual Detection Occupancy Wall Sensor Switch (Lithonia WSX-PDT).....	150.51	10.67
26 09 23 00-0705 Wireless Enabled Communication Devices For Streetlights (26 09 23)		
Note: Includes testing of new devices and certification.		
26 09 23 00-0706 Wireless Enabled Communication Devices For Streetlights (Roam®) (26 09 23 00-0705)		
26 09 23 00-0707 Wireless Enabled Communication Nodes For Streetlights (Roam®) (26 09 23 00-0706)		
Note: 2.4GHz wireless enabled communication node for wireless remote on/off, group scheduling, photocontrol and diagnostics.		
26 09 23 00-0708 EA 120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1).....	228.59	



Electrical		26
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0709 EA 480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1).....	316.81	
26 09 23 00-0710 Wireless Enabled Communication Devices For Streetlights (Roam®) (26 09 23 00-0709)		
26 09 23 00-0711 EA Retrofit Receptacle Kit (Roam® DUR103).....	45.53	
26 09 23 00-0712 EA Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127).....	8,942.89	60.13
26 09 23 00-0713 Counter Mounted Consolets (26 09 23)		
26 09 23 00-0714 EA 20" x 24" Type 12, Oil Tight Consolets, Counter Mounted (Schaefer's SPCL-20C24).....	502.37	133.32
26 09 23 00-0715 Lighting Console And Stations (26 09 23)		
26 09 23 00-0716 EA 80 Channel, 40 Faders, Lighting Console (ETC ColorSource CS 40).....	3,215.93	133.32
For Lighting Console Dust Cover (ETC ColorSource CS40DC), Add	68.20	
For Lighting Console Case (ETC ColorSourcePart 11866), Add	727.18	
26 09 23 00-0717 EA 10 Preset, Lighting Control Station (Doug Fleener PRE10-A2).....	2,215.18	79.99
26 09 23 00-0718 Theatre Lighting Console (26 09 23)		
26 09 23 00-0719 EA Theatre Lighting Console (ETC Colorsources 20).....	2,341.65	159.99
26 09 23 00-0720 Emergency Lighting Controls (26 09 23)		
26 09 23 00-0721 Emergency Lighting Control Units (Watt Stopper ELCU) (26 09 23 00-0720)		
Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.		
26 09 23 00-0722 EA DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100).....	188.60	26.72
26 09 23 00-0723 EA 1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200).....	188.60	26.72
26 09 23 00-0724 Emergency Shunt Relays (Lighting Control & Design GR 2001™) (26 09 23 00-0720)		
Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.		
26 09 23 00-0725 EA 1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™).....	274.06	37.40
26 09 23 00-0726 EA 2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™).....	370.03	42.75
26 09 23 00-0727 EA 2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual).....	494.66	48.09
Note: Controls normal and emergency lighting from single-pole wall switch.		
26 09 23 00-0728 Photocells (26 09 23)		
26 09 23 00-0729 EA Plug-In Photocell For Lighting Fixtures (Intermac® LC2000).....	75.69	
26 09 23 00-0730 EA Wired Photocell For Lighting Fixtures (Intermac® K4021C).....	184.80	
26 09 23 00-0731 Outdoor Lighting Motion Sensors (26 09 23)		
26 09 23 00-0732 EA 70' Range, 180 Degree Detection Zone, 8 Amperes, Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000).....	96.27	26.72
26 09 23 00-0733 EA 70' Range, 200 Degree Detection Zone, 10 Amperes, Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000).....	104.03	26.72
26 09 23 00-0734 EA 30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR).....	392.41	26.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.03	
26 09 23 00-0735 Street Light Controls (26 09 23)		
26 09 23 00-0736 Photo Controls (26 09 23 00-0735)		
26 09 23 00-0737 EA Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014.....	88.55	
26 09 23 00-0738 EA Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016.....	101.79	
26 09 23 00-0739 Connector Node (26 09 23 00-0735)		
26 09 23 00-0740 EA Outdoor Lighting Connector Node (Philips City Touch LLC7260).....	354.30	2.94

26 10 Medium-Voltage Electrical Distribution (26)

26 11 Substations (26 10)

26 11 13 Primary Unit Substations (26 11)

26 11 13 00-0001 "Switchyard" Substation Primary Incoming Section (26 11 13)

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 11 Substations**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0002	Outdoor Oil Circuit Breakers "Switchyard" <small>(26 11 13 00-0001)</small>			
	Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment			
26 11 13 00-0003	EA 14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	52,107.54	1,854.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,131.48		
26 11 13 00-0004	EA 23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	63,926.04	2,344.76	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,414.35		
26 11 13 00-0005	EA 34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	72,384.82	2,344.76	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,414.35		
26 11 13 00-0006	EA 46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	83,212.74	2,344.76	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,508.64		
26 11 13 00-0007	EA 69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	94,410.92	2,890.05	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,740.74		
26 11 13 00-0008	Accessories For Outdoor Oil Circuit Breakers <small>(26 11 13 00-0001)</small>			
26 11 13 00-0009	EA Reclosure Relay, Adjustable, 3 Shot, #179	1,442.93	194.87	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	175.39		
26 11 13 00-0010	EA Overcurrent Relay, 1 Phase, #51/51N	464.12	141.29	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.96		
26 11 13 00-0011	EA Directional Overcurrent Relay, Three-Phase, Device No. 67	692.09	141.29	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	95.90		
26 11 13 00-0012	EA Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase	547.56	141.29	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.96		
26 11 13 00-0013	EA Differential Relay Package, Complete, Device No. 87	2,048.44	477.45	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	288.29		
26 11 13 00-0014	"Switchyard", Substation Transformer Section <small>(26 11 13)</small>			
	Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range			
26 11 13 00-0015	14.4 KV Nominal Primary <small>(26 11 13 00-0014)</small>			
26 11 13 00-0016	EA 1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	30,100.65	1,854.00	
	For 50 Hz Operation, Add	3,159.48		
	For Forced Air Cooling, Add	3,159.48		
	For External Control Panel, Add	789.87		
	For Internally Mounted Current Transformers And Linear Couplers, Add	263.29		
	For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,316.45		
	For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	3,291.13		
	For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	3,949.36		
26 11 13 00-0017	EA 2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	34,438.89	2,322.95	
	For 50 Hz Operation, Add	3,566.93		
	For Forced Air Cooling, Add	3,566.93		
	For External Control Panel, Add	891.73		
	For Internally Mounted Current Transformers And Linear Couplers, Add	297.24		
	For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,486.22		
	For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	3,715.55		
	For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	4,458.66		
26 11 13 00-0018	EA 5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	52,957.66	3,271.76	
	For 50 Hz Operation, Add	5,550.31		
	For Forced Air Cooling, Add	5,550.31		
	For External Control Panel, Add	1,387.58		
	For Internally Mounted Current Transformers And Linear Couplers, Add	462.53		
	For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,312.63		
	For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	5,781.57		
	For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	6,937.89		
26 11 13 00-0019	EA 7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	76,727.51	3,952.19	
	For 50 Hz Operation, Add	8,184.38		
	For Forced Air Cooling, Add	8,184.38		
	For External Control Panel, Add	2,046.10		
	For Internally Mounted Current Transformers And Linear Couplers, Add	682.03		
	For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,410.16		
	For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	8,525.40		
	For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	10,230.48		
26 11 13 00-0020	EA 10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	94,537.54	5,114.59	
	For 50 Hz Operation, Add	10,065.86		
	For Forced Air Cooling, Add	10,065.86		
	For External Control Panel, Add	2,516.46		
	For Internally Mounted Current Transformers And Linear Couplers, Add	838.82		
	For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,194.11		
	For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	10,485.27		
	For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	12,582.32		
26 11 13 00-0021	23 KV Nominal Primary <small>(26 11 13 00-0014)</small>			
26 11 13 00-0022	EA 1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	33,677.11	2,508.35	
	For 50 Hz Operation, Add	3,475.51		
	For External Control Panel, Add	868.88		
	For Internally Mounted Current Transformers And Linear Couplers, Add	289.63		
	For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,448.13		
	For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	3,620.33		
	For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	4,344.39		
	For Forced Air Cooling, Add	2,317.01		



		Electrical	26	26
		Medium-Voltage Electrical Distribution	26 10	
		Substations	26 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0023 EA 2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	38,466.45	2,508.35
For 50 Hz Operation, Add	3,932.82	
For External Control Panel, Add	983.20	
For Internally Mounted Current Transformers And Linear Couplers, Add	327.73	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,638.67	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	4,096.68	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	4,916.02	
For Forced Air Cooling, Add	2,621.88	
26 11 13 00-0024 EA 5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	61,635.27	3,708.00
For 50 Hz Operation, Add	6,491.05	
For External Control Panel, Add	1,622.76	
For Internally Mounted Current Transformers And Linear Couplers, Add	540.92	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,704.60	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	6,761.51	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	8,113.81	
For Forced Air Cooling, Add	4,327.36	
26 11 13 00-0025 EA 7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	82,778.35	5,114.59
For 50 Hz Operation, Add	8,654.75	
For External Control Panel, Add	2,163.69	
For Internally Mounted Current Transformers And Linear Couplers, Add	721.23	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,606.15	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	9,015.37	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	10,818.44	
For Forced Air Cooling, Add	5,769.84	
26 11 13 00-0026 EA 10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	102,377.02	5,114.59
For 50 Hz Operation, Add	11,006.59	
For External Control Panel, Add	2,751.65	
For Internally Mounted Current Transformers And Linear Couplers, Add	917.22	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,586.08	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	11,465.20	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	13,758.24	
For Forced Air Cooling, Add	7,337.73	
26 11 13 00-0027 34.5 KV Nominal Primary (26 11 13 00-0014)		
26 11 13 00-0028 EA 1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	42,277.30	2,999.11
For 50 Hz Operation, Add	4,390.12	
For External Control Panel, Add	1,097.53	
For Internally Mounted Current Transformers And Linear Couplers, Add	365.84	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,829.22	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	4,573.04	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	5,487.65	
For Forced Air Cooling, Add	2,926.74	
26 11 13 00-0029 EA 2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	51,063.48	4,689.51
For 50 Hz Operation, Add	5,304.72	
For External Control Panel, Add	1,326.18	
For Internally Mounted Current Transformers And Linear Couplers, Add	442.06	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,210.30	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	5,525.75	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	6,630.90	
For Forced Air Cooling, Add	3,536.48	
26 11 13 00-0030 EA 5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	70,576.99	4,689.51
For 50 Hz Operation, Add	7,337.76	
For External Control Panel, Add	1,834.44	
For Internally Mounted Current Transformers And Linear Couplers, Add	611.48	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,057.40	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	7,643.50	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	9,172.20	
For Forced Air Cooling, Add	4,891.84	
26 11 13 00-0031 EA 7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	90,617.77	4,998.36
For 50 Hz Operation, Add	9,595.48	
For External Control Panel, Add	2,398.87	
For Internally Mounted Current Transformers And Linear Couplers, Add	799.62	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,998.12	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	9,995.30	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	11,994.36	
For Forced Air Cooling, Add	6,396.99	
26 11 13 00-0032 EA 10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	156,317.06	6,393.24
For 50 Hz Operation, Add	17,121.38	
For External Control Panel, Add	4,280.34	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,426.78	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	7,133.91	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	17,834.77	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	21,401.72	
For Forced Air Cooling, Add	11,414.25	
26 11 13 00-0033 46 KV Nominal Primary (26 11 13 00-0014)		
26 11 13 00-0034 EA 1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	64,731.61	3,489.88
For 50 Hz Operation, Add	6,944.90	
For External Control Panel, Add	1,736.22	
For Internally Mounted Current Transformers And Linear Couplers, Add	578.74	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,893.71	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	7,234.27	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	8,681.12	
For Forced Air Cooling, Add	4,629.93	

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 11 Substations**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0035 EA 2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	73,156.02	3,489.88
For 50 Hz Operation, Add	7,873.54	
For External Control Panel, Add	1,968.38	
For Internally Mounted Current Transformers And Linear Couplers, Add	656.13	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,280.64	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	8,201.60	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	9,841.92	
For Forced Air Cooling, Add	5,249.02	
26 11 13 00-0036 EA 5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	101,284.18	4,689.51
For 50 Hz Operation, Add	11,022.62	
For External Control Panel, Add	2,755.65	
For Internally Mounted Current Transformers And Linear Couplers, Add	918.55	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,592.76	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	11,481.90	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	13,778.27	
For Forced Air Cooling, Add	7,348.41	
26 11 13 00-0037 EA 7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	124,013.67	6,393.24
For 50 Hz Operation, Add	13,244.97	
For External Control Panel, Add	3,311.24	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,103.75	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	5,518.74	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	13,796.84	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	16,556.21	
For Forced Air Cooling, Add	8,829.98	
26 11 13 00-0038 EA 10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	175,964.28	6,393.24
For 50 Hz Operation, Add	19,479.04	
For External Control Panel, Add	4,869.76	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,623.25	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	8,116.27	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	20,290.67	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	24,348.80	
For Forced Air Cooling, Add	12,986.03	
26 11 13 00-0039 69 KV Nominal Primary (26 11 13 00-0014)		
26 11 13 00-0040 EA 1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	93,055.44	3,708.00
For 50 Hz Operation, Add	10,261.47	
For External Control Panel, Add	2,565.37	
For Internally Mounted Current Transformers And Linear Couplers, Add	855.12	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,275.61	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	10,689.03	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	12,826.83	
For Forced Air Cooling, Add	6,840.98	
26 11 13 00-0041 EA 2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	106,918.58	4,689.51
For 50 Hz Operation, Add	11,698.75	
For External Control Panel, Add	2,924.69	
For Internally Mounted Current Transformers And Linear Couplers, Add	974.90	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,874.48	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	12,186.20	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	14,623.43	
For Forced Air Cooling, Add	7,799.16	
26 11 13 00-0042 EA 5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	146,748.07	4,689.51
For 50 Hz Operation, Add	16,478.29	
For External Control Panel, Add	4,119.57	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,373.19	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	6,865.95	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	17,164.88	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	20,597.86	
For Forced Air Cooling, Add	10,985.52	
26 11 13 00-0043 EA 7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	155,747.02	6,393.24
For 50 Hz Operation, Add	17,052.97	
For External Control Panel, Add	4,263.24	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,421.08	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	7,105.41	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	17,763.51	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	21,316.22	
For Forced Air Cooling, Add	11,368.65	
26 11 13 00-0044 EA 10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	203,719.82	6,393.24
For 50 Hz Operation, Add	22,809.71	
For External Control Panel, Add	5,702.43	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,900.81	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	9,504.05	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	23,760.11	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	28,512.14	
For Forced Air Cooling, Add	15,206.47	
26 11 13 00-0045 Circuit Breakers Fluarc SF6 13.8 KV (26 11 13)		
26 11 13 00-0046 EA 1,200 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	55,658.30	918.31
26 11 13 00-0047 EA 1,200 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	61,097.64	918.31
26 11 13 00-0048 EA 1,200 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	69,573.98	1,140.70
26 11 13 00-0049 EA 2,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	65,098.91	1,371.62
26 11 13 00-0050 EA 2,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	73,316.18	1,371.62
26 11 13 00-0051 EA 2,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	83,646.67	1,593.53
26 11 13 00-0052 EA 3,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	86,254.72	1,820.61
26 11 13 00-0053 EA 3,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	96,485.69	1,820.61



		Electrical	26
		Medium-Voltage Electrical Distribution	26 10
		Substations	26 11

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MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0054	EA	3,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	101,148.39	2,044.55
26 11 16 Secondary Unit Substations (26 11)				
26 11 16 11 Secondary Unit Substations with Switchgear Secondary (26 11 16)				
26 11 16 11-0001		Substation Primary Incoming Section (26 11 16 11)		
26 11 16 11-0002		Manual Transferring Fused Load Break Switches (26 11 16 11-0001) Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.		
26 11 16 11-0003	EA	112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position	31,397.66	1,348.51
26 11 16 11-0004	EA	2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position	36,197.18	1,348.51
26 11 16 11-0005 Automatic Transferring Fused Load Break Switches (26 11 16 11-0001)				
Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.				
26 11 16 11-0006	EA	112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch	44,374.80	1,348.51
26 11 16 11-0007	EA	2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch	47,498.36	1,348.51
26 11 16 11-0008 Accessories For Substation Fused Load Break Switches (26 11 16 11-0001)				
26 11 16 11-0009	EA	Primary Lightning Arrestors Accessories, Secondary Distribution Section	8,113.08	
26 11 16 11-0010	EA	Key Interlock Accessories, Secondary Distribution Section	789.70	
26 11 16 11-0011 Oil Filled Substation Transformers (26 11 16 11)				
Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.				
26 11 16 11-0012 Substation, Primary 13.8 KV Secondary 480Y/277 Or 480 Volt, 60 HZ (26 11 16 11-0011)				
26 11 16 11-0013	EA	75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	15,049.45	817.94
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	938.95	
		For Control Power Transformer On Fans And Auxiliary, Add	402.41	
		For Internal Mounted Current Transformer And Linear Coupler, Add	134.14	
26 11 16 11-0014	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	21,998.01	981.53
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,402.45	
		For Control Power Transformer On Fans And Auxiliary, Add	601.05	
		For Internal Mounted Current Transformer And Linear Coupler, Add	200.35	
26 11 16 11-0015	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	24,888.44	1,090.59
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,589.51	
		For Control Power Transformer On Fans And Auxiliary, Add	681.22	
		For Internal Mounted Current Transformer And Linear Coupler, Add	227.07	
26 11 16 11-0016	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	29,484.45	1,363.23
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,873.06	
		For Control Power Transformer On Fans And Auxiliary, Add	802.74	
		For Internal Mounted Current Transformer And Linear Coupler, Add	267.58	
26 11 16 11-0017	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	32,952.68	1,690.40
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,070.03	
		For Control Power Transformer On Fans And Auxiliary, Add	887.16	
		For Internal Mounted Current Transformer And Linear Coupler, Add	295.72	
26 11 16 11-0018	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	35,360.94	2,072.12
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,185.17	
		For Control Power Transformer On Fans And Auxiliary, Add	936.50	
		For Internal Mounted Current Transformer And Linear Coupler, Add	312.17	
26 11 16 11-0019	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	41,425.81	2,508.35
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,548.64	
		For Control Power Transformer On Fans And Auxiliary, Add	1,092.27	
		For Internal Mounted Current Transformer And Linear Coupler, Add	364.09	
26 11 16 11-0020	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	44,164.31	2,726.47
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,709.80	
		For Control Power Transformer On Fans And Auxiliary, Add	1,161.34	
		For Internal Mounted Current Transformer And Linear Coupler, Add	387.11	
26 11 16 11-0021	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	49,329.05	2,999.11
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	3,033.16	
		For Control Power Transformer On Fans And Auxiliary, Add	1,299.92	
		For Internal Mounted Current Transformer And Linear Coupler, Add	433.31	
26 11 16 11-0022	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	56,984.58	3,326.29
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	3,523.24	
		For Control Power Transformer On Fans And Auxiliary, Add	1,509.96	
		For Internal Mounted Current Transformer And Linear Coupler, Add	503.32	
26 11 16 11-0023	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	62,561.48	3,626.20
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	3,871.64	
		For Control Power Transformer On Fans And Auxiliary, Add	1,659.27	
		For Internal Mounted Current Transformer And Linear Coupler, Add	553.09	
26 11 16 11-0024		Substation, Primary 13.8 KV Secondary 208Y/120 Volt, 60 HZ (26 11 16 11-0011)		

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 11 Substations**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0025 EA 75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	14,380.27 892.11 382.33 127.44	817.94
26 11 16 11-0026 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	21,453.84 1,387.26 594.54 198.18	817.94
26 11 16 11-0027 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	24,873.63 1,588.47 680.77 226.92	1,090.59
26 11 16 11-0028 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	29,509.92 1,874.84 803.50 267.83	1,363.23
26 11 16 11-0029 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	35,552.97 2,252.05 965.16 321.72	1,690.40
26 11 16 11-0030 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	38,598.78 2,411.82 1,033.64 344.55	2,072.12
26 11 16 11-0031 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	42,920.92 2,653.30 1,137.13 379.04	2,508.35
26 11 16 11-0032 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	46,739.78 2,890.08 1,238.61 412.87	2,726.47
26 11 16 11-0033 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	52,659.52 3,266.29 1,399.84 466.61	2,999.11
26 11 16 11-0034 Accessories For Oil Filled Substation Transformers (26 11 16 11-0011)		
26 11 16 11-0035 EA Sudden Pressure Relay	4,065.60	
26 11 16 11-0036 EA Throats Or Flanges (HV Or LV)	8,071.60	
26 11 16 11-0037 EA Lightning Arrestors (3 - 1 Pole)	5,314.84	
26 11 16 11-0038 EA Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X)	29,494.68	
26 11 16 11-0039 EA Oil Fuse Cutout, 15 KV, 200 Amperes, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout	27,595.21	
26 11 16 11-0040 Reinforced Concrete Curb With 6" Slab (26 11 16 11-0011)		
Note: For transformer liquid containment area.		
26 11 16 11-0041 EA 112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	4,342.17	1,134.01
26 11 16 11-0042 EA 150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	4,342.17	1,134.01
26 11 16 11-0043 EA 225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	4,342.17	1,134.01
26 11 16 11-0044 EA 300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	4,342.17	1,134.01
26 11 16 11-0045 EA 500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	4,342.17	1,134.01
26 11 16 11-0046 EA 750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	4,342.17	1,134.01
26 11 16 11-0047 EA 1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	4,342.17	1,134.01
26 11 16 11-0048 EA 1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	5,133.82	1,307.54
26 11 16 11-0049 Dry Type Substation Transformer (26 11 16 11)		
Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.		
26 11 16 11-0050 Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 Volt (26 11 16 11-0049)		
Note: Primary 4.160 or 4.8 KV (delta or wye).		
26 11 16 11-0051 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	25,957.53	872.47
For Gas Filled Transformers, Add	14,527.55	
For Single Phase Transformers, Deduct	-605.31	
For Dry Type Unit, Add	5,501.26	
26 11 16 11-0052 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	26,066.59	926.99
For Gas Filled Transformers, Add	14,527.55	
For Single Phase Transformers, Deduct	-605.31	
For Dry Type Unit, Add	5,512.17	
26 11 16 11-0053 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	26,709.14	1,090.59
For Gas Filled Transformers, Add	14,716.78	
For Single Phase Transformers, Deduct	-613.20	
For Dry Type Unit, Add	5,614.27	
26 11 16 11-0054 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	29,477.66	1,199.65
For Gas Filled Transformers, Add	16,247.02	
For Single Phase Transformers, Deduct	-676.96	
For Dry Type Unit, Add	6,197.17	
26 11 16 11-0055 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	32,764.77	1,417.76
For Gas Filled Transformers, Add	17,957.54	
For Single Phase Transformers, Deduct	-748.23	
For Dry Type Unit, Add	6,867.99	



Electrical			26
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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0056	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	37,956.61	1,635.88
		For Gas Filled Transformers, Add	20,810.91	
		For Single Phase Transformers, Deduct	-867.12	
		For Dry Type Unit, Add	7,957.84	
26 11 16 11-0057	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	44,104.10	1,963.06
		For Gas Filled Transformers, Add	24,106.80	
		For Single Phase Transformers, Deduct	-1,004.45	
		For Dry Type Unit, Add	9,231.77	
26 11 16 11-0058	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	52,054.93	2,181.17
		For Gas Filled Transformers, Add	28,615.55	
		For Single Phase Transformers, Deduct	-1,192.31	
		For Dry Type Unit, Add	10,928.60	
26 11 16 11-0059	EA	2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	67,160.69	2,290.23
		For Gas Filled Transformers, Add	37,548.14	
		For Single Phase Transformers, Deduct	-1,564.51	
		For Dry Type Unit, Add	14,225.70	
26 11 16 11-0060 Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 Volt (26 11 16 11-0049)				
Note: Primary 4.16 or 4.8 KV (delta or wye).				
26 11 16 11-0061	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	25,098.29	872.47
		For Gas Filled Transformers, Add	14,012.01	
		For Single Phase Transformers, Deduct	-583.83	
		For Dry Type Unit, Add	5,312.23	
26 11 16 11-0062	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	26,066.59	926.99
		For Gas Filled Transformers, Add	14,527.55	
		For Single Phase Transformers, Deduct	-605.31	
		For Dry Type Unit, Add	5,512.17	
26 11 16 11-0063	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	26,709.14	1,090.59
		For Gas Filled Transformers, Add	14,716.78	
		For Single Phase Transformers, Deduct	-613.20	
		For Dry Type Unit, Add	5,614.27	
26 11 16 11-0064	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	29,477.66	1,199.65
		For Gas Filled Transformers, Add	16,247.02	
		For Single Phase Transformers, Deduct	-676.96	
		For Dry Type Unit, Add	6,197.17	
26 11 16 11-0065	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	32,764.77	1,417.76
		For Gas Filled Transformers, Add	17,957.54	
		For Single Phase Transformers, Deduct	-748.23	
		For Dry Type Unit, Add	6,867.99	
26 11 16 11-0066	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	37,956.61	1,635.88
		For Gas Filled Transformers, Add	20,810.91	
		For Single Phase Transformers, Deduct	-867.12	
		For Dry Type Unit, Add	7,957.84	
26 11 16 11-0067	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	44,104.10	1,963.06
		For Gas Filled Transformers, Add	24,106.80	
		For Single Phase Transformers, Deduct	-1,004.45	
		For Dry Type Unit, Add	9,231.77	
26 11 16 11-0068	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	52,054.93	2,181.17
		For Gas Filled Transformers, Add	28,615.55	
		For Single Phase Transformers, Deduct	-1,192.31	
		For Dry Type Unit, Add	10,928.60	
26 11 16 11-0069	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	67,160.69	2,290.23
		For Gas Filled Transformers, Add	37,548.14	
		For Single Phase Transformers, Deduct	-1,564.51	
		For Dry Type Unit, Add	14,225.70	
26 11 16 11-0070	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	73,651.73	2,399.29
		For Gas Filled Transformers, Add	41,311.90	
		For Single Phase Transformers, Deduct	-1,721.33	
		For Dry Type Unit, Add	15,627.55	
26 11 16 11-0071	EA	3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	82,107.09	2,508.35
		For Gas Filled Transformers, Add	46,254.24	
		For Single Phase Transformers, Deduct	-1,927.26	
		For Dry Type Unit, Add	17,461.56	
26 11 16 11-0072	EA	3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	94,483.66	2,617.41
		For Gas Filled Transformers, Add	53,549.31	
		For Single Phase Transformers, Deduct	-2,231.22	
		For Dry Type Unit, Add	20,158.23	
26 11 16 11-0073 Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 Or 240 Volt (26 11 16 11-0049)				
26 11 16 11-0074	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	27,953.72	981.53
		For Gas Filled Transformers, Add	15,594.40	
		For Single Phase Transformers, Deduct	-649.77	
		For Dry Type Unit, Add	5,914.25	
26 11 16 11-0075	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	28,917.05	1,036.05
		For Gas Filled Transformers, Add	16,106.96	
		For Single Phase Transformers, Deduct	-671.12	
		For Dry Type Unit, Add	6,113.10	
26 11 16 11-0076	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	30,994.98	1,199.65
		For Gas Filled Transformers, Add	17,157.41	
		For Single Phase Transformers, Deduct	-714.89	
		For Dry Type Unit, Add	6,530.98	

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 11 Substations**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0077 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer.....	32,752.77	1,308.70
For Gas Filled Transformers, Add	18,081.22	
For Single Phase Transformers, Deduct	-753.38	
For Dry Type Unit, Add	6,891.52	
26 11 16 11-0078 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer.....	37,370.95	1,526.82
For Gas Filled Transformers, Add	20,590.39	
For Single Phase Transformers, Deduct	-857.93	
For Dry Type Unit, Add	7,855.17	
26 11 16 11-0079 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer.....	41,450.25	1,744.94
For Gas Filled Transformers, Add	22,776.22	
For Single Phase Transformers, Deduct	-949.01	
For Dry Type Unit, Add	8,700.27	
26 11 16 11-0080 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer.....	48,424.70	2,072.12
For Gas Filled Transformers, Add	26,568.29	
For Single Phase Transformers, Deduct	-1,107.01	
For Dry Type Unit, Add	10,156.13	
26 11 16 11-0081 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer.....	58,533.56	2,290.23
For Gas Filled Transformers, Add	32,371.86	
For Single Phase Transformers, Deduct	-1,348.83	
For Dry Type Unit, Add	12,327.73	
26 11 16 11-0082 EA 2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer.....	70,502.85	2,399.29
For Gas Filled Transformers, Add	39,422.57	
For Single Phase Transformers, Deduct	-1,642.61	
For Dry Type Unit, Add	14,934.80	
26 11 16 11-0083 Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 Or 480 Volt (26 11 16 11-0049)		
26 11 16 11-0084 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer.....	27,953.72	981.53
For Gas Filled Transformers, Add	15,594.40	
For Single Phase Transformers, Deduct	-649.77	
For Dry Type Unit, Add	5,914.25	
26 11 16 11-0085 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer.....	28,917.05	1,036.05
For Gas Filled Transformers, Add	16,106.96	
For Single Phase Transformers, Deduct	-671.12	
For Dry Type Unit, Add	6,113.10	
26 11 16 11-0086 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer.....	30,994.98	1,199.65
For Gas Filled Transformers, Add	17,157.41	
For Single Phase Transformers, Deduct	-714.89	
For Dry Type Unit, Add	6,530.98	
26 11 16 11-0087 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer.....	32,752.77	1,308.70
For Gas Filled Transformers, Add	18,081.22	
For Single Phase Transformers, Deduct	-753.38	
For Dry Type Unit, Add	6,891.52	
26 11 16 11-0088 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer.....	37,370.95	1,526.82
For Gas Filled Transformers, Add	20,590.39	
For Single Phase Transformers, Deduct	-857.93	
For Dry Type Unit, Add	7,855.17	
26 11 16 11-0089 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer.....	36,483.57	1,744.94
For Gas Filled Transformers, Add	19,796.21	
For Single Phase Transformers, Deduct	-824.84	
For Dry Type Unit, Add	7,607.60	
26 11 16 11-0090 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer.....	38,221.20	2,072.12
For Gas Filled Transformers, Add	20,446.19	
For Single Phase Transformers, Deduct	-851.92	
For Dry Type Unit, Add	7,911.36	
26 11 16 11-0091 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer.....	46,843.27	2,290.23
For Gas Filled Transformers, Add	25,357.69	
For Single Phase Transformers, Deduct	-1,056.57	
For Dry Type Unit, Add	9,755.86	
26 11 16 11-0092 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer.....	55,350.69	2,399.29
For Gas Filled Transformers, Add	30,331.27	
For Single Phase Transformers, Deduct	-1,263.80	
For Dry Type Unit, Add	11,601.32	
26 11 16 11-0093 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer.....	61,765.67	2,508.35
For Gas Filled Transformers, Add	34,049.39	
For Single Phase Transformers, Deduct	-1,418.72	
For Dry Type Unit, Add	12,986.44	
26 11 16 11-0094 EA 3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer.....	72,308.05	2,617.41
For Gas Filled Transformers, Add	40,243.94	
For Single Phase Transformers, Deduct	-1,676.83	
For Dry Type Unit, Add	15,279.59	
26 11 16 11-0095 EA 3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer.....	88,368.97	2,726.47
For Gas Filled Transformers, Add	49,749.63	
For Single Phase Transformers, Deduct	-2,072.90	
For Dry Type Unit, Add	18,786.82	

26 12 Medium-Voltage Transformers (26 10)**26 12 13 Liquid-Filled, Medium-Voltage Transformers** (26 12)**26 12 13 00-0001 Removal And Relocation Of Transformers** (26 12 13)

26 12 13 00-0002 EA Removal And Relocation Of Up To 37.5 KVA Oil Filled Transformer.....	1,135.88
26 12 13 00-0003 EA Removal And Relocation Of >37.5 To 100 KVA Oil Filled Transformers.....	2,090.32



Electrical		26
Medium-Voltage Electrical Distribution		26 10
Medium-Voltage Transformers		26 12

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0004	Single Phase Oil Filled Distribution Transformers (26 12 13) Note: Self-protected type, CSP, external secondary breaker handle, external tap changer.		
26 12 13 00-0005	Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL. Rated To 5 KVA (26 12 13 00-0004)		
26 12 13 00-0006	EA 10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	2,011.85	453.24
26 12 13 00-0007	EA 15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	2,445.88	566.55
26 12 13 00-0008	EA 25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	2,872.30	679.86
26 12 13 00-0009	EA 37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	3,677.77	849.83
26 12 13 00-0010	EA 50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	4,380.01	1,019.79
26 12 13 00-0011	EA 75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	5,759.38	1,189.76
26 12 13 00-0012	EA 100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	6,835.06	1,416.38
26 12 13 00-0013	Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 2-2.5 Percent Taps FCAN And FCBN. Rated To 5 KVA (26 12 13 00-0004)		
26 12 13 00-0014	EA 10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,011.85	453.24
26 12 13 00-0015	EA 15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,476.23	566.55
26 12 13 00-0016	EA 25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,872.30	679.86
26 12 13 00-0017	EA 37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,677.77	849.83
26 12 13 00-0018	EA 50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,380.01	1,019.79
26 12 13 00-0019	EA 75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,447.38	1,189.76
26 12 13 00-0020	EA 100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	6,676.63	1,416.38
26 12 13 00-0021	Primary 13.8/14.4 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCBN And FCAN (26 12 13 00-0004)		
26 12 13 00-0022	EA 10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,976.44	453.24
26 12 13 00-0023	EA 15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,349.76	566.55
26 12 13 00-0024	EA 25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,777.24	679.86
26 12 13 00-0025	EA 37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,655.83	849.83
26 12 13 00-0026	EA 50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,287.38	1,019.79
26 12 13 00-0027	EA 75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,505.88	1,189.76
26 12 13 00-0028	EA 100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	6,691.25	1,416.38
26 12 13 00-0029	Primary 13.8/14.4 KV Ground Y Secondary 240/480 Volt, 2-2.5 Percent Taps FCBN And FCAN (26 12 13 00-0004)		
26 12 13 00-0030	EA 10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,140.85	453.24
26 12 13 00-0031	EA 15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,519.23	566.55
26 12 13 00-0032	EA 25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,221.22	679.86
26 12 13 00-0033	EA 37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,051.07	849.83
26 12 13 00-0034	EA 50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,730.45	1,019.79
26 12 13 00-0035	EA 75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	6,161.14	1,189.76
26 12 13 00-0036	EA 100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	7,749.06	1,416.38
26 12 13 00-0037	Transformer Platforms (26 12 13 00-0004)		
26 12 13 00-0038	EA Transformer Platforms, 75 - 167 KVA.....	3,758.43	765.41
26 12 13 00-0039	Primary 24.9 KV, Ground Y Secondary 240/480 Volt, 2-2.5 Percent Tops FCBN Auto FCAN (26 12 13 00-0004)		
26 12 13 00-0040	EA 10 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,290.78	453.24
26 12 13 00-0041	EA 15 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,655.36	566.55
26 12 13 00-0042	EA 25 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,222.30	679.86
26 12 13 00-0043	EA 37.5 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,049.73	849.83
26 12 13 00-0044	EA 50 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,843.29	1,076.45
26 12 13 00-0045	EA 75 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	6,164.47	1,189.76
26 12 13 00-0046	EA 100 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	7,749.06	1,416.38
26 12 13 00-0047	EA 167 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	10,243.85	1,812.96
26 12 13 00-0048	EA 250 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	13,283.87	2,436.17
26 12 13 00-0049	EA 333 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	15,530.32	2,832.76
26 12 13 00-0050	EA 500 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	18,926.89	3,059.38
26 12 13 00-0051	Primary 4.8 KV Ground Y Secondary 120/240V 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL (26 12 13 00-0004)		
26 12 13 00-0052	EA 10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	2,011.85	555.00
26 12 13 00-0053	EA 15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	2,445.88	693.69
26 12 13 00-0054	EA 25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	2,871.83	831.59
26 12 13 00-0055	EA 37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	3,678.87	1,042.11
26 12 13 00-0056	EA 50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	4,378.96	1,248.34
26 12 13 00-0057	EA 75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	5,757.96	1,453.88
26 12 13 00-0058	EA 100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	6,835.06	1,734.33

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 12 Medium-Voltage Transformers**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 12 13 00-0059	Primary 4.8 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCAN And FCBN (26 12 13 00-0004)		
26 12 13 00-0060	EA 10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,011.85	555.00
26 12 13 00-0061	EA 15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,476.23	693.69
26 12 13 00-0062	EA 25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,871.83	831.59
26 12 13 00-0063	EA 37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	3,678.87	1,042.11
26 12 13 00-0064	EA 50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	4,378.96	1,248.34
26 12 13 00-0065	EA 75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	5,445.96	1,453.88
26 12 13 00-0066	EA 100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	6,676.63	1,734.33
26 12 13 00-0067	Primary 7.2 To 14.4 KV Ground Y (26 12 13 00-0004)		
26 12 13 00-0068	Primary 7.2 To 14.4 KV Ground Y Secondary 120 / 240 V 2-2.5 Percent Taps FCBN And FCAN (26 12 13 00-0067)		
26 12 13 00-0069	EA 10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,745.80	453.24
26 12 13 00-0070	EA 15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,119.58	566.55
26 12 13 00-0071	EA 25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,484.92	679.86
26 12 13 00-0072	EA 37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	3,196.76	849.83
26 12 13 00-0073	EA 50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	3,936.08	1,019.79
26 12 13 00-0074	EA 75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	5,594.05	1,189.76
26 12 13 00-0075	EA 100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	6,511.94	1,416.38
26 12 13 00-0076	Primary 7.2 To 14.4 KV Ground Y Secondary 240 / 480 V 2-2.5 Pct Taps FCBN And FCAN (26 12 13 00-0067)		
26 12 13 00-0077	EA 10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	1,665.32	453.24
26 12 13 00-0078	EA 15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	2,018.40	566.55
26 12 13 00-0079	EA 25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	2,438.93	679.86
26 12 13 00-0080	EA 37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	3,104.78	849.83
26 12 13 00-0081	EA 50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	3,809.60	1,019.79
26 12 13 00-0082	EA 75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	5,134.15	1,189.76
26 12 13 00-0083	EA 100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	6,052.04	1,416.38
26 12 13 00-0084	3 Phase Oil Filled Distribution Transformers (26 12 13)		
26 12 13 00-0085	Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt (26 12 13 00-0084) Note: 4-2.5 Percent taps FCBN, Class A, 95 KV BIL.		
26 12 13 00-0086	EA 112.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	7,225.06	1,586.35
26 12 13 00-0087	EA 150 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	8,613.76	1,699.65
26 12 13 00-0088	EA 225 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	11,278.25	2,152.89
26 12 13 00-0089	EA 300 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	14,586.53	2,719.45
26 12 13 00-0090	EA 500 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	20,063.68	3,059.38
26 12 13 00-0091	EA 750 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	29,731.27	4,079.17
26 12 16	Dry-Type, Medium-Voltage Transformers (26 12)		
26 12 16 00-0001	Removal and Relocation of Transformers (26 12 16)		
26 12 16 00-0002	EA Removal And Relocation Of Up To 37.5 KVA "Dry Type" Transformer	452.59	
26 12 16 00-0003	EA Removal And Relocation Of >37.5 To 112.5 KVA "Dry Type" Transformer	2,011.53	
26 12 19	Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers (26 12)		
26 12 19 00-0001	Single Phase Pad Mounted Distribution Transformers (26 12 19) Note: Designed for residential and multi-family buildings. UL listed.		
26 12 19 00-0002	Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled (26 12 19 00-0001) Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.		
26 12 19 00-0003	Primary, 4.16/4.8 KV Ground Y Or Delta (26 12 19 00-0002) Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.		
26 12 19 00-0004	EA 25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,953.32	545.29
26 12 19 00-0005	EA 37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,388.33	654.35
26 12 19 00-0006	EA 50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	5,207.47	763.41
26 12 19 00-0007	EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	6,262.77	817.94
26 12 19 00-0008	EA 100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	7,029.98	872.47
26 12 19 00-0009	EA 167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	9,204.49	1,145.11
26 12 19 00-0010	Factory Modifications Material Cost Only (26 12 19 00-0002)		
26 12 19 00-0011	EA Loadbreaker Current Limiting Fuse Factory Modifications	685.47	
26 12 19 00-0012	EA Loadbreaker Oil Switch, 2 Position Factory Modifications	720.24	



Electrical		26
Medium-Voltage Electrical Distribution		26 10
Medium-Voltage Transformers		26 12

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0013	EA	Loadbreaker Inserts, Factory Modifications	792.26	
26 12 19 00-0014		Distribution - Single Phase Multiple Building Transformer <small>(26 12 19 00-0001)</small>		
		Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.		
26 12 19 00-0015		Primary, 4.16/4.8 KVA Ground Y Or Delta <small>(26 12 19 00-0014)</small>		
		Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0016	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,705.16	545.29
26 12 19 00-0017	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	5,371.65	545.29
26 12 19 00-0018	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	5,850.10	747.05
26 12 19 00-0019	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	7,180.20	747.05
26 12 19 00-0020	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	8,039.37	981.53
26 12 19 00-0021	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	9,708.15	981.53
26 12 19 00-0022	EA	250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	15,116.35	1,363.23
26 12 19 00-0023		Factory Modifications Material Cost Only <small>(26 12 19 00-0014)</small>		
26 12 19 00-0024	EA	Loadbreaker Current Limiting Fuse Factory Modifications	913.95	
26 12 19 00-0025	EA	Lightning Arrestors, Factory Modifications	231.57	
26 12 19 00-0026	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications	720.24	
26 12 19 00-0027	EA	Loop Feed Air Switch, Factory Modifications	1,172.24	
26 12 19 00-0028	EA	Loadbreaker Inserts (Two), Factory Modifications	312.93	
26 12 19 00-0029	EA	Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications	270.71	
26 12 19 00-0030		Primary, 12.47 KV Ground Y Or Delta <small>(26 12 19 00-0014)</small>		
		Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0031	EA	25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	5,042.01	545.29
26 12 19 00-0032	EA	37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	5,484.13	545.29
26 12 19 00-0033	EA	50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	5,806.04	747.05
26 12 19 00-0034	EA	75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	6,911.34	747.05
26 12 19 00-0035	EA	100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	8,597.76	981.53
26 12 19 00-0036	EA	167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	10,693.30	981.64
26 12 19 00-0037	EA	250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	13,544.84	1,363.23
26 12 19 00-0038		Oil Filled Distribution Transformer Single Phase Cluster Mounted <small>(26 12 19 00-0001)</small>		
		Note: Conventional type.		
26 12 19 00-0039		13.8/14.4 KV Ground Y Or Delta Primary 120/240V <small>(26 12 19 00-0038)</small>		
		Note: 2.5 Taps FCBN and FCAN.		
26 12 19 00-0040	EA	10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,442.49	385.29
26 12 19 00-0041	EA	37.5 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,346.74	541.81
26 12 19 00-0042	EA	50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,587.70	866.89
26 12 19 00-0043	EA	100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	11,340.24	866.89
26 12 19 00-0044	EA	167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	15,490.37	1,420.75
26 12 19 00-0045	EA	250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	20,415.74	1,420.75
26 12 19 00-0046		Oil Filled Distribution Transformer Single Phase <small>(26 12 19 00-0001)</small>		
26 12 19 00-0047		7.2 KV Primary, 120/240 Volt Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0048	EA	10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,352.80	409.37
26 12 19 00-0049	EA	15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,667.37	409.37
26 12 19 00-0050	EA	25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,291.66	577.93
26 12 19 00-0051	EA	37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	5,589.77	577.93
26 12 19 00-0052	EA	50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,445.29	782.62
26 12 19 00-0053	EA	100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	11,111.19	1,204.02
26 12 19 00-0054	EA	167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	15,311.00	1,204.02
26 12 19 00-0055	EA	250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	20,138.87	1,505.03
26 12 19 00-0056		7.2 KV Primary, 240/480 Volt Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0057	EA	10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,352.80	409.37
26 12 19 00-0058	EA	15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,667.47	409.37

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 12 Medium-Voltage Transformers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0059 EA 25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,291.66	577.93
26 12 19 00-0060 EA 37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	5,589.77	577.93
26 12 19 00-0061 EA 50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,445.29	782.62
26 12 19 00-0062 EA 75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	9,774.21	1,059.54
26 12 19 00-0063 EA 100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	11,111.19	1,059.54
26 12 19 00-0064 EA 167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	15,311.00	1,336.47
26 12 19 00-0065 EA 250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	20,138.87	1,505.03
26 12 19 00-0066 2.4 KV Primary, 277 Volt Secondary (26 12 19 00-0046)		
26 12 19 00-0067 EA 10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,634.24	409.37
26 12 19 00-0068 EA 15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,974.08	409.37
26 12 19 00-0069 EA 25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,655.30	577.93
26 12 19 00-0070 EA 37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,054.31	577.93
26 12 19 00-0071 EA 50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,977.71	782.62
26 12 19 00-0072 EA 75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,446.74	1,059.54
26 12 19 00-0073 EA 100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	12,094.71	1,059.54
26 12 19 00-0074 EA 167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	16,691.45	1,336.47
26 12 19 00-0075 EA 250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	22,010.24	1,505.03
26 12 19 00-0076 2.4 KV Primary, 120/240 Volt Secondary (26 12 19 00-0046)		
26 12 19 00-0077 EA 10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,352.80	409.37
26 12 19 00-0078 EA 15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,667.37	409.37
26 12 19 00-0079 EA 25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,291.66	786.34
26 12 19 00-0080 EA 37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	5,589.77	1,059.54
26 12 19 00-0081 EA 50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,445.29	782.62
26 12 19 00-0082 EA 75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	9,607.25	1,059.54
26 12 19 00-0083 EA 100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	11,109.36	1,059.54
26 12 19 00-0084 2.4 KV Primary, 240/480 Volt Secondary (26 12 19 00-0046)		
26 12 19 00-0085 EA 10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,352.80	409.37
26 12 19 00-0086 EA 15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,667.37	409.37
26 12 19 00-0087 EA 25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,291.66	577.93
26 12 19 00-0088 EA 37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	5,589.77	577.93
26 12 19 00-0089 EA 50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,445.29	782.62
26 12 19 00-0090 EA 75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	9,607.25	1,059.54
26 12 19 00-0091 EA 100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	11,109.36	1,059.54
26 12 19 00-0092 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary (26 12 19 00-0046)		
26 12 19 00-0093 EA 10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,915.22	421.40
26 12 19 00-0094 EA 15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,173.05	469.57
26 12 19 00-0095 EA 25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,814.73	517.73
26 12 19 00-0096 EA 37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,915.99	722.42
26 12 19 00-0097 EA 50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	5,513.09	842.82
26 12 19 00-0098 EA 75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,445.46	987.30
26 12 19 00-0099 EA 100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	8,897.14	1,131.78
26 12 19 00-0100 EA 167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	13,598.71	1,444.83
26 12 19 00-0101 EA 250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,410.03	1,625.43
26 13 Medium-Voltage Switchgear (26 10)		
26 13 16 Medium-Voltage Fusible Interrupter Switchgear (26 13)		
26 13 16 00-0001 "Switchyard", Substation Secondary Distribution Section (26 13 16)		
Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.		
26 13 16 00-0002 4.16 Or 4.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section (26 13 16 00-0001)		
26 13 16 00-0003 EA 1,200 Amperes, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	12,264.98	1,252.18
For Weatherproofing, Add	2,522.71	
26 13 16 00-0004 EA 1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	12,861.29	1,252.18
For Weatherproofing, Add	2,653.90	
26 13 16 00-0005 EA 1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	17,482.22	1,595.33
For Weatherproofing, Add	3,634.86	
26 13 16 00-0006 EA 2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	23,754.23	1,595.33
For Weatherproofing, Add	4,987.85	
26 13 16 00-0007 EA 2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	33,949.69	1,926.44
For Weatherproofing, Add	7,198.80	
26 13 16 00-0008 EA 3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	31,033.75	1,926.44
For Weatherproofing, Add	6,543.65	
26 13 16 00-0009 7.2 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section (26 13 16 00-0001)		
26 13 16 00-0010 EA 1,200 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	18,208.02	1,444.83
For Weatherproofing, Add	3,812.01	



Electrical			26
Medium-Voltage Electrical Distribution			26 10
Medium-Voltage Switchgear			26 13

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0011	EA	2,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	22,379.94 4,670.49	1,806.04
26 13 16 00-0012	EA	3,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	31,384.64 6,608.90	2,167.24
26 13 16 00-0013 13.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section (26 13 16 00-0001)				
26 13 16 00-0014	EA	1,200 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	17,591.30 3,660.43	1,444.83
26 13 16 00-0015	EA	1,200 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	24,157.05 5,070.26	1,444.83
26 13 16 00-0016	EA	1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	35,187.96 7,457.57	1,926.44
26 13 16 00-0017	EA	2,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	22,135.41 4,602.23	1,926.44
26 13 16 00-0018	EA	2,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	32,024.31 6,743.26	2,408.05
26 13 16 00-0019	EA	2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	44,698.26 9,495.14	2,408.05
26 13 16 00-0020	EA	3,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	30,862.26 6,477.54	2,408.05
26 13 16 00-0021	EA	3,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	42,676.00 9,041.88	2,408.05
26 13 16 00-0022	EA	3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	55,220.02 11,768.76	2,408.05
26 13 16 00-0023 4.16 Or 4.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section (26 13 16 00-0001)				
26 13 16 00-0024	EA	1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	5,550.02 1,110.40	788.63
26 13 16 00-0025	EA	1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	7,166.63 1,466.05	788.63
26 13 16 00-0026	EA	2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	7,810.50 1,571.99	1,047.50
26 13 16 00-0027	EA	2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	9,678.47 1,948.01	1,294.32
26 13 16 00-0028	EA	3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	12,950.34 2,667.82	1,294.32
26 13 16 00-0029 7.2 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section (26 13 16 00-0001)				
26 13 16 00-0030	EA	1,200 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	7,001.63 1,414.38	1,204.02
26 13 16 00-0031	EA	2,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	9,156.26 1,852.92	1,204.02
26 13 16 00-0032	EA	3,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	13,896.21 2,860.71	1,204.02
26 13 16 00-0033 13.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section (26 13 16 00-0001)				
26 13 16 00-0034	EA	1,200 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	7,239.16 1,450.01	1,023.42
26 13 16 00-0035	EA	1,200 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	7,707.02 1,552.94	1,023.42
26 13 16 00-0036	EA	1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	11,004.39 2,243.16	1,264.22
26 13 16 00-0037	EA	2,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	9,890.16 1,963.00	1,517.07
26 13 16 00-0038	EA	2,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	12,094.92 2,448.05	1,517.07
26 13 16 00-0039	EA	2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	13,912.74 2,812.18	1,769.91
26 13 16 00-0040	EA	3,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	13,108.42 2,600.08	2,022.76
26 13 16 00-0041	EA	3,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	14,619.19 2,932.44	2,022.76
26 13 16 00-0042	EA	3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	17,966.34 3,633.35	2,263.56
26 13 16 00-0043 Accessories For Substation Secondary Distribution Sections (26 13 16 00-0001)				
26 13 16 00-0044	EA	1,200 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,578.82 457.80	762.99

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 13 Medium-Voltage Switchgear**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0045 EA 2,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section.....	4,451.07	846.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	508.03	
26 13 16 00-0046 EA 3,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section.....	5,791.48	1,018.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	611.18	
26 13 16 00-0047 EA 3-Phase Pothead Termination Accessories, Secondary Distribution Section.....	3,851.97	1,531.88
26 13 16 00-0048 EA 5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	4,271.31	97.44
26 13 16 00-0049 EA 5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	5,699.32	97.44
26 13 16 00-0050 EA 5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	10,422.27	97.44
26 13 16 00-0051 EA 15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	8,194.44	97.44
26 13 16 00-0052 EA 15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	8,944.06	97.44
26 13 16 00-0053 EA 15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	12,168.44	97.44
26 13 16 00-0054 EA 6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section.....	1,944.44	97.44
26 13 16 00-0055 EA 9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section.....	2,195.44	97.44
26 13 16 00-0056 EA 15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section.....	3,325.64	97.44
26 13 16 00-0057 EA Overcurrent Phase Protection, Time And Instantaneous Device 67.....	2,135.06	97.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.46	
26 13 16 00-0058 EA AC Ammeter With Switch.....	846.12	97.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.46	
26 13 16 00-0059 EA AC Voltmeter With Switch And Potential Transformer.....	846.12	97.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.46	
26 13 16 00-0060 EA Indicating Wattmeter.....	1,242.30	97.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.46	
26 13 16 00-0061 EA Indicating Varmeter.....	1,462.10	97.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.46	
26 13 16 00-0062 EA Indicating Watt-hour Meter, 2 Element.....	924.82	97.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.46	
26 13 16 00-0063 EA Ground Protection, Time Or Instantaneous Device 67N.....	2,214.30	97.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.46	
26 13 16 00-0064 EA Differential Generator Protection Single Phase NEMA Device 87.....	4,039.30	97.44
26 13 16 00-0065 EA Current Transformers 5 And 15 KV Single Secondary.....	579.52	97.44
26 13 16 00-0066 EA Potential Transformers 5 KV And 15 KV With Primary Fuses.....	2,701.52	97.44
26 13 19 Medium-Voltage Vacuum Interrupter Switchgear (26 13)		
26 13 19 00-0001 Vacuum Circuit Breakers 13.8 KV (26 13 19)		
26 13 19 00-0002 EA 1,200 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	43,691.00	1,505.03
26 13 19 00-0003 EA 1,200 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	48,269.81	1,902.36
26 13 19 00-0004 EA 1,200 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	54,812.36	1,902.36
26 13 19 00-0005 EA 2,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	50,030.42	1,505.03
26 13 19 00-0006 EA 2,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	56,237.79	1,505.03
26 13 19 00-0007 EA 2,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	64,107.50	1,769.91
26 13 19 00-0008 EA 3,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	66,191.10	2,022.76
26 13 19 00-0009 EA 3,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	72,429.99	2,022.76
26 13 19 00-0010 EA 3,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	79,155.81	2,275.60
26 13 29 Medium-Voltage Compartmentalized Switchgear (26 13)		
26 13 29 00-0001 Substation Secondary Distribution Section (26 13 29)		
Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.		
26 13 29 00-0002 Switchgear Compartment Complete With Air Circuit Breaker (26 13 29 00-0001)		
Note: With solid state long - time and instantaneous trips.		
26 13 29 00-0003 EA 800 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206.....	13,929.18	949.49
26 13 29 00-0004 EA 1,600 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416.....	22,053.96	1,435.55
26 13 29 00-0005 EA 2,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420.....	29,864.08	1,763.35
26 13 29 00-0006 EA 3,200 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632.....	49,489.83	2,045.94
26 13 29 00-0007 EA 4,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840.....	63,577.16	2,328.52
26 13 29 00-0008 Switchgear Compartment Without Circuit Breaker (26 13 29 00-0001)		
26 13 29 00-0009 EA 800 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	6,168.18	288.24
26 13 29 00-0010 EA 1,600 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	7,127.33	288.24
26 13 29 00-0011 EA 2,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	9,324.30	423.88
26 13 29 00-0012 EA 3,200 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	13,308.69	423.88
26 13 29 00-0013 EA 4,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	22,202.50	621.69
26 13 29 00-0014 Switchgear Compartment, Blank, Use As Filler Or Metering (26 13 29 00-0001)		
Note: No provisions for future breaker.		
26 13 29 00-0015 EA 600 To 2,000 Amperes, Blank Section Filler, Secondary Distribution Section.....	3,427.64	322.15
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	184.20	
26 13 29 00-0016 EA 3,000 Amperes, Blank Section Filler, Secondary Distribution Section.....	4,281.91	322.15
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	216.24	
26 13 29 00-0017 EA 4,000 Amperes, Blank Section Filler, Secondary Distribution Section.....	5,603.03	497.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	310.85	
26 13 29 00-0018 Accessories For Substation Secondary Distribution (26 13 29 00-0001)		
26 13 29 00-0019 EA Short Time Delay Accessories, Secondary Distribution Section.....	1,838.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.46	



Electrical		26	26
Medium-Voltage Electrical Distribution		26 10	
Medium-Voltage Switchgear		26 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 29 00-0020 EA Key Interlock Accessories, Secondary Distribution Section For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,444.01 58.46	
26 13 29 00-0021 EA Ammeter And Switch Complete Accessories, Secondary Distribution Section For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4,446.43 58.46	97.44
26 13 29 00-0022 EA Voltmeter And Switch Complete Accessories, Secondary Distribution Section For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4,446.43 58.46	97.44
26 13 29 00-0023 EA Wattmeter - Complete Accessories, Secondary Distribution Section For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5,861.96 58.46	97.44
26 13 29 00-0024 EA Watt-hour Meter - Complete Accessories, Secondary Distribution Section For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7,575.49 58.46	97.44
26 13 29 00-0025 EA Circuit Breaker Lifting Device Accessories, Secondary Distribution Section For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,323.96 66.66	111.14
26 13 29 00-0026 EA Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10,925.93 987.60	1,645.98
26 13 29 00-0027 EA Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800.....	2,047.48	97.44
26 13 29 00-0028 EA Potential Transformers Each With Fuses Accessories, Secondary Distribution Section.....	2,394.32	97.44
26 13 29 00-0029 EA Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,277.05 29.23	48.72
26 13 29 00-0030 EA 3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9,500.11 58.46	97.44
26 13 29 00-0031 EA 3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section	1,217.45	48.72
26 18 Medium-Voltage Circuit Protection Devices (26 10)		
26 18 36 Medium-Voltage Enclosed Fuses (26 18)		
26 18 36 00-0001 Sectionalizing Switch (26 18 36)		
26 18 36 00-0002 Pad Mounted Metal Enclosed Oil Filled Switching Units (26 18 36 00-0001) Note: 15 KV - 25 KV.		
26 18 36 00-0003 Sectionalizing Tapping And Fusing Underground Feeders (26 18 36 00-0002) Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.		
26 18 36 00-0004 EA 3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground	29,439.65	817.94
26 18 36 00-0005 EA 3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground	33,072.59	817.94
26 20 Low-Voltage Electrical Distribution (26)		
26 21 Low-Voltage Electrical Service Entrance (26 20)		
See CSI section 26 05 13 00-0000 for wire and cables.		
26 21 13 Low-Voltage Overhead Electrical Service Entrance (26 21)		
26 21 13 00-0001 Service Drop Cable And Weatherheads (26 21 13)		
26 21 13 00-0002 600 Volt Insulated Stranded Conductors (26 21 13 00-0001)		
26 21 13 00-0003 Aluminum Duplex ACSR Neutral (26 21 13 00-0002)		
26 21 13 00-0004 LF #6 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	7.39	2.87
26 21 13 00-0005 LF #4 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	8.81	3.39
26 21 13 00-0006 LF #2 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	10.13	3.82
26 21 13 00-0007 LF 1/0 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	13.10	4.82
26 21 13 00-0008 Aluminum Triplex ACSR Neutral (26 21 13 00-0002)		
26 21 13 00-0009 LF #6 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	8.86	3.39
26 21 13 00-0010 LF #4 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	10.06	3.82
26 21 13 00-0011 LF #2 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	12.73	4.82
26 21 13 00-0012 LF 1/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	15.72	5.88
26 21 13 00-0013 LF 2/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	20.66	7.77
26 21 13 00-0014 LF 4/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	25.97	9.63
26 21 13 00-0015 LF 336 MCM, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	32.68	11.47
26 21 13 00-0016 Aluminum Quadruplex ACSR Neutral (26 21 13 00-0002)		
26 21 13 00-0017 LF #6 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	10.07	3.82
26 21 13 00-0018 LF #4 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	12.72	4.82
26 21 13 00-0019 LF #2 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	16.36	6.17
26 21 13 00-0020 LF 1/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	20.96	7.77
26 21 13 00-0021 LF 2/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	23.27	8.60
26 21 13 00-0022 LF 3/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	26.46	9.63
26 21 13 00-0023 LF 4/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	31.32	11.47
26 21 13 00-0024 LF 336 MCM, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	36.78	12.68
26 21 13 00-0025 Weatherproof Conduit Hubs (26 21 13 00-0002)		
26 21 13 00-0026 EA 1/2" Weatherproof Conduit Hubs	48.92	18.78
26 21 13 00-0027 EA 3/4" Weatherproof Conduit Hubs	55.77	21.33
26 21 13 00-0028 EA 1" Weatherproof Conduit Hubs	64.31	23.89
26 21 13 00-0029 EA 1-1/4" Weatherproof Conduit Hubs	89.00	32.00
26 21 13 00-0030 EA 1-1/2" Weatherproof Conduit Hubs	97.55	34.56

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 21 Low-Voltage Electrical Service Entrance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 21 13 00-0031 EA 2" Weatherproof Conduit Hubs	123.66	40.10
26 21 13 00-0032 EA 2-1/2" Weatherproof Conduit Hubs	158.51	45.22
26 21 13 00-0033 EA 3" Weatherproof Conduit Hubs	202.05	53.33
26 21 13 00-0034 EA 4" Weatherproof Conduit Hubs	364.25	106.66
26 21 13 00-0035 Service Entrance Cap, Threaded Weatherhead, Galvanized <small>(26 21 13 00-0002)</small>		
26 21 13 00-0036 EA 1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #14 Through #10 AWG Cable Service	54.24	18.78
26 21 13 00-0037 EA 3/4" Galvanized Threaded Service Entrance Weatherhead Cap For #12 Through #8 AWG Cable Service	62.14	21.33
26 21 13 00-0038 EA 1" Galvanized Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	70.98	23.89
26 21 13 00-0039 EA 1-1/4" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service	95.34	32.00
26 21 13 00-0040 EA 1-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service	107.31	34.56
26 21 13 00-0041 EA 2" Galvanized Threaded Service Entrance Weatherhead Cap For 1/0 Through 2/0 AWG Cable Service	139.33	40.10
26 21 13 00-0042 EA 2-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For 3/0 Through 4/0 Cable Service	227.39	45.22
26 21 13 00-0043 EA 3" Galvanized Threaded Service Entrance Weatherhead Cap For 250 Through 350 MCM Cable Service	259.43	53.33
26 21 13 00-0044 EA 4" Galvanized Threaded Service Entrance Weatherhead Cap For 600 Through 750 MCM Cable Service	432.54	106.66
26 21 13 00-0045 Service Entrance Cap, Clamp-On Weatherhead, Aluminum <small>(26 21 13 00-0002)</small>		
26 21 13 00-0046 EA 1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service	52.64	18.78
26 21 13 00-0047 EA 3/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service	59.46	21.33
26 21 13 00-0048 EA 1" Aluminum Clamp-On Service Entrance Weatherhead Cap For #6 AWG Cable Service	67.35	23.79
26 21 13 00-0049 EA 1-1/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	89.60	32.00
26 21 13 00-0050 EA 1-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	99.57	34.56
26 21 13 00-0051 EA 2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service	117.19	40.10
26 21 13 00-0052 EA 2-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service	185.87	45.22
26 21 13 00-0053 EA 3" Aluminum Clamp-On Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service	238.55	53.33
26 21 13 00-0054 EA 3-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service	337.40	79.99
26 21 13 00-0055 EA 4" Aluminum Clamp-On Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service	407.69	106.66
26 21 13 00-0056 Service Entrance Cap, Threaded Weatherhead, Polyvinyl Chloride (PVC) <small>(26 21 13 00-0002)</small>		
26 21 13 00-0057 EA 1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service	50.15	18.78
26 21 13 00-0058 EA 3/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service	57.28	21.33
26 21 13 00-0059 EA 1" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	64.81	23.79
26 21 13 00-0060 EA 1-1/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	86.45	32.00
26 21 13 00-0061 EA 1-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	93.96	34.56
26 21 13 00-0062 EA 2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service	113.62	40.10
26 21 13 00-0063 EA 2-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service	174.59	45.22
26 21 13 00-0064 EA 3" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service	197.51	53.33
26 21 13 00-0065 EA 3-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service	331.19	79.99
26 21 13 00-0066 EA 4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service	455.78	106.66
26 21 16 Low-Voltage Underground Electrical Service Entrance <small>(26 21)</small>		
26 21 16 00-0001 Aluminum Triplex For Underground Service, Direct Burial <small>(26 21 16)</small>		
Note: Excludes excavation and backfill.		
26 21 16 00-0002 MLF #6 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	3,129.32	1,070.25
26 21 16 00-0003 MLF #4 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	3,436.03	1,133.23
26 21 16 00-0004 MLF #2 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	3,846.29	1,204.02
26 21 16 00-0005 MLF 1/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	4,204.62	1,204.02
26 21 16 00-0006 MLF 2/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	4,591.45	1,284.34
26 21 16 00-0007 MLF 3/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	5,385.14	1,481.92
26 21 16 00-0008 MLF 4/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	6,775.67	1,926.44
26 22 Low-Voltage Transformers <small>(26 20)</small>		
26 22 13 Low-Voltage Distribution Transformers <small>(26 22)</small>		
26 22 13 00-0001 Single Phase General Purpose "Dry Type" Transformers <small>(26 22 13)</small>		
Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
26 22 13 00-0002 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers <small>(26 22 13 00-0001)</small>		
Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.		
26 22 13 00-0003 EA 1 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	794.95	274.39
26 22 13 00-0004 EA 3 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,033.30	329.28
26 22 13 00-0005 EA 5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,221.92	343.55
26 22 13 00-0006 EA 7.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,412.06	356.72
26 22 13 00-0007 EA 10 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,863.41	384.15
26 22 13 00-0008 EA 15 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	2,167.53	411.59
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add		
67.22		
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add		
100.83		
26 22 13 00-0009 EA 25 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	2,361.87	439.03
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add		
74.19		
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add		
111.29		



		Electrical	26
		Low-Voltage Electrical Distribution	26 20
		Low-Voltage Transformers	26 22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0010 EA 37.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	2,371.04 69.16 103.74	493.91
26 22 13 00-0011 EA 50 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	2,780.69 84.16 126.23	548.79
26 22 13 00-0012 EA 75 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	3,598.56 114.07 171.11	658.55
26 22 13 00-0013 EA 100 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	4,487.35 147.54 221.31	768.31
26 22 13 00-0014 EA 167 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	6,870.00 244.72 367.08	987.83
26 22 13 00-0015 EA 250 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	11,699.75 464.25 696.38	1,207.34
26 22 13 00-0016 EA 333 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	17,724.06 749.01 1,123.51	1,371.97
26 22 13 00-0017 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001) Note: 1-10 Percent x 2-5 percent FCBN taps.		
26 22 13 00-0018 EA 3 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	918.74	329.28
26 22 13 00-0019 EA 5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	1,038.35	343.00
26 22 13 00-0020 EA 7.5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	1,206.86	356.72
26 22 13 00-0021 EA 10 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	1,380.87	384.15
26 22 13 00-0022 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001) Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.		
26 22 13 00-0023 EA 15 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	2,167.53	411.59
26 22 13 00-0024 EA 25 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	2,361.87	439.03
26 22 13 00-0025 1 Phase Mounting Brackets (26 22 13 00-0001)		
26 22 13 00-0026 EA 1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA	530.88	194.87
26 22 13 00-0027 1 Phase Weathershields (26 22 13 00-0001) Note: Use with types DT-3 and DS-3.		
26 22 13 00-0028 EA 37.5 KVA 1 Phase Weathershields, Set Of 2	48.43	
26 22 13 00-0029 EA 50 KVA 1 Phase Weathershields, Set Of 2	61.73	
26 22 13 00-0030 EA 75 KVA 1 Phase Weathershields, Set Of 2	73.61	
26 22 13 00-0031 EA 100 KVA 1 Phase Weathershields, Set Of 2	87.81	
26 22 13 00-0032 EA 167 KVA 1 Phase Weathershields, Set Of 2	118.81	
26 22 13 00-0033 EA 250 KVA 1 Phase Weathershields, Set Of 2	142.05	
26 22 13 00-0034 EA 333 KVA 1 Phase Weathershields, Set Of 2	174.34	
26 22 13 00-0035 Packaged Power Supply (26 22 13 00-0001) Note: 2-5 Percent FCBN taps.		
26 22 13 00-0036 EA 5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amperes Breakers	1,397.95	343.00
26 22 13 00-0037 EA 7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amperes Breakers	1,545.90	356.72
26 22 13 00-0038 EA 10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amperes Breakers	1,672.58	384.15
26 22 13 00-0039 EA 15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amperes Breakers	1,996.83	411.59
26 22 13 00-0040 EA 25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amperes Breakers	2,628.64	439.03
26 22 13 00-0041 240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade (26 22 13 00-0001)		
26 22 13 00-0042 EA 0.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,029.84	246.95
26 22 13 00-0043 EA 1 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,381.74	274.39
26 22 13 00-0044 EA 2.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,620.63	329.28
26 22 13 00-0045 EA 5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,770.76	343.00
26 22 13 00-0046 EA 7.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,966.07	356.72
26 22 13 00-0047 EA 10 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	2,460.03	384.15
26 22 13 00-0048 EA 15 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	3,106.37	411.59
26 22 13 00-0049 1 Phase, 208/600 Volt, Dry General Purpose Transformer (26 22 13 00-0001)		
26 22 13 00-0050 EA 15 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	3,729.26	411.59
26 22 13 00-0051 EA 25 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	3,880.45	439.03
26 22 13 00-0052 EA 30 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	4,041.90	466.47
26 22 13 00-0053 EA 37.5 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	5,211.40	493.91
26 22 13 00-0054 EA 45 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	5,423.62	521.35
26 22 13 00-0055 EA 50 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	7,085.33	548.79

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 22 13 00-0056	3 Phase General Purpose "Dry Type" Transformer <small>(26 22 13)</small>			
	Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.			
26 22 13 00-0057	Packaged Power Supply <small>(26 22 13 00-0056)</small>			
	Note: 2-5 Percent FCBN taps.			
26 22 13 00-0058	EA	15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amperes Breakers	5,772.35	1,179.89
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	170.63	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	255.94	
26 22 13 00-0059	EA	22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amperes Breakers	6,753.32	1,262.22
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	211.44	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	317.17	
26 22 13 00-0060	EA	30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amperes Breakers	7,932.73	1,371.97
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	259.44	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	389.16	
26 22 13 00-0061	Drive Isolation Transformers <small>(26 22 13 00-0056)</small>			
	Note: Only use in step-up applications.			
26 22 13 00-0062	230 Volt Drive Isolation Transformers <small>(26 22 13 00-0061)</small>			
26 22 13 00-0063	EA	7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,898.40	439.03
26 22 13 00-0064	EA	11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,518.18	466.47
26 22 13 00-0065	EA	15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,686.05	493.91
26 22 13 00-0066	EA	20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	5,474.54	521.35
26 22 13 00-0067	EA	27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	5,700.28	576.23
26 22 13 00-0068	EA	34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	6,264.99	631.11
26 22 13 00-0069	EA	40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	7,058.65	685.99
26 22 13 00-0070	EA	51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	8,185.88	768.31
26 22 13 00-0071	EA	63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	8,826.75	795.75
26 22 13 00-0072	EA	75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	10,103.32	823.19
26 22 13 00-0073	EA	93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	12,542.84	850.62
26 22 13 00-0074	EA	118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	14,160.73	1,042.70
26 22 13 00-0075	EA	145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	15,736.23	1,097.58
26 22 13 00-0076	EA	175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	17,932.36	1,152.45
26 22 13 00-0077	EA	220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	21,843.65	1,371.97
26 22 13 00-0078	EA	275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	28,760.86	1,618.93
26 22 13 00-0079	EA	330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	30,424.82	1,783.56
26 22 13 00-0080	EA	440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	36,875.25	1,975.64
26 22 13 00-0081	EA	550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	45,295.20	2,195.16
26 22 13 00-0082	208V Drive Isolation Transformers <small>(26 22 13 00-0061)</small>			
26 22 13 00-0083	EA	7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,052.14	439.03
26 22 13 00-0084	EA	11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,700.67	466.47
26 22 13 00-0085	EA	15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,874.29	493.91
26 22 13 00-0086	EA	20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	5,700.12	521.35
26 22 13 00-0087	EA	27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	5,931.77	576.23
26 22 13 00-0088	EA	30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	6,464.75	603.67
26 22 13 00-0089	EA	45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	7,402.99	713.42
26 22 13 00-0090	EA	51 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	8,524.32	768.31
26 22 13 00-0091	EA	63 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	9,195.02	795.75
26 22 13 00-0092	EA	75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	10,533.78	823.19
26 22 13 00-0093	EA	93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	13,094.68	850.62
26 22 13 00-0094	EA	118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	14,775.37	1,042.70
26 22 13 00-0095	EA	145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	16,425.47	1,097.58
26 22 13 00-0096	EA	175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	18,727.79	1,152.45
26 22 13 00-0097	EA	220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	22,815.82	1,371.97
26 22 13 00-0098	480 Volt x 208Y/120 Volt, 2-2.5 Percent FCBN Taps <small>(26 22 13 00-0056)</small>			
26 22 13 00-0099	EA	9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	2,873.52	452.75
26 22 13 00-0100	EA	15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	3,688.20	493.91
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	135.02	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	202.53	
26 22 13 00-0101	480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN Taps <small>(26 22 13 00-0056)</small>			
26 22 13 00-0102	EA	30 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	4,173.62	603.67
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	148.31	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	222.47	
		For K4 Factor Rating, Add	2,076.40	
		For K13 Factor Rating, Add	2,966.28	
		For K20 Factor Rating, Add	3,856.16	
26 22 13 00-0103	EA	37.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	4,983.58	658.55
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	183.32	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	274.99	
		For K4 Factor Rating, Add	2,566.54	
		For K13 Factor Rating, Add	3,666.49	
		For K20 Factor Rating, Add	4,766.44	



		Electrical	26
		Low-Voltage Electrical Distribution	26 20
		Low-Voltage Transformers	26 22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0104	EA	45 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	5,229.94 190.15 285.23 2,662.16 3,803.08 4,944.00	713.42
26 22 13 00-0105	EA	50 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	6,734.57 259.90 389.85 3,638.57 5,197.96 6,757.35	768.31
26 22 13 00-0106	EA	75 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	6,692.81 252.32 378.48 3,532.51 5,046.44 6,560.37	823.19
26 22 13 00-0107	EA	112.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	8,301.94 316.32 474.47 4,428.41 6,326.30 8,224.19	987.83
26 22 13 00-0108	EA	150 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	10,632.25 421.85 632.78 5,905.96 8,437.09 10,968.22	1,097.58
26 22 13 00-0109	EA	225 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	14,401.37 582.87 874.31 8,160.19 11,657.42 15,154.65	1,371.97
26 22 13 00-0110	EA	300 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	17,577.06 708.73 1,063.09 9,922.19 14,174.56 18,426.93	1,701.25
26 22 13 00-0111	EA	500 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	24,927.14 1,037.82 1,556.73 14,529.44 20,756.34 26,983.24	2,085.40
26 22 13 00-0112	EA	750 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	55,678.34 2,531.47 3,797.21 35,440.63 50,629.47 65,818.31	2,508.35
26 22 13 00-0113	EA	1,000 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	72,894.47 3,370.33 5,055.49 47,184.60 67,406.57 87,628.54	2,743.95
26 22 13 00-0114		480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN Taps (26 22 13 00-0056)		
26 22 13 00-0115	EA	6 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	2,384.48 1,073.70 1,533.86 1,994.02	425.31
26 22 13 00-0116	EA	9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	2,873.52 1,377.61 1,968.02 2,558.43	452.75
26 22 13 00-0117	EA	15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	3,688.20 135.02 202.53 1,890.26 2,700.37 3,510.48	493.91
26 22 13 00-0118		480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps (26 22 13 00-0056)		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0119	EA	30 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	6,853.78	603.67
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	282.32	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	423.48	
		For K4 Factor Rating, Add	3,952.51	
		For K13 Factor Rating, Add	5,646.44	
		For K20 Factor Rating, Add	7,340.37	
26 22 13 00-0120	EA	45 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	7,710.22	713.42
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	314.17	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	471.25	
		For K4 Factor Rating, Add	4,398.35	
		For K13 Factor Rating, Add	6,283.36	
		For K20 Factor Rating, Add	8,168.37	
26 22 13 00-0121	EA	75 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	11,202.61	823.19
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	477.81	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	716.72	
		For K4 Factor Rating, Add	6,689.37	
		For K13 Factor Rating, Add	9,556.24	
		For K20 Factor Rating, Add	12,423.11	
26 22 13 00-0122	EA	112.5 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	14,029.48	987.83
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	602.69	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	904.04	
		For K4 Factor Rating, Add	8,437.69	
		For K13 Factor Rating, Add	12,053.84	
		For K20 Factor Rating, Add	15,669.99	
26 22 13 00-0123	EA	150 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	16,827.71	1,097.58
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	731.63	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,097.44	
		For K4 Factor Rating, Add	10,242.79	
		For K13 Factor Rating, Add	14,632.55	
		For K20 Factor Rating, Add	19,022.32	
26 22 13 00-0124	EA	225 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	21,543.93	1,371.97
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	940.00	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,410.00	
		For K4 Factor Rating, Add	13,159.99	
		For K13 Factor Rating, Add	18,799.98	
		For K20 Factor Rating, Add	24,439.97	
26 22 13 00-0125	EA	300 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	26,219.64	1,701.25
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	1,140.86	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,711.29	
		For K4 Factor Rating, Add	15,972.00	
		For K13 Factor Rating, Add	22,817.14	
		For K20 Factor Rating, Add	29,662.28	
26 22 13 00-0126	EA	500 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	41,646.72	2,085.40
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	1,873.80	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	2,810.69	
		For K4 Factor Rating, Add	26,233.14	
		For K13 Factor Rating, Add	37,475.92	
		For K20 Factor Rating, Add	48,718.70	
26 22 13 00-0127		3 Phase 60 Hz K20 Dry Type Transformers (26 22 13 00-0056)		
26 22 13 00-0128		3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise (26 22 13 00-0127)		
		Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0129	EA	15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	3,471.12	493.91
26 22 13 00-0130	EA	30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	5,141.00	603.67
26 22 13 00-0131	EA	45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	7,416.81	713.42
26 22 13 00-0132	EA	75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	9,411.11	823.19
26 22 13 00-0133	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	13,953.14	987.83
26 22 13 00-0134	EA	150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	16,894.50	1,097.58
26 22 13 00-0135	EA	225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	19,719.04	1,371.97
26 22 13 00-0136	EA	300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	30,964.36	1,701.25
26 22 13 00-0137		3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise (26 22 13 00-0127)		
		Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0138	EA	15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	3,969.68	493.91
26 22 13 00-0139	EA	30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	5,928.21	603.67
26 22 13 00-0140	EA	45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	8,614.32	713.42
26 22 13 00-0141	EA	75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	10,961.68	823.19
26 22 13 00-0142	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	16,348.17	987.83
26 22 13 00-0143	EA	150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	19,835.80	1,097.58
26 22 13 00-0144	EA	225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	23,113.58	1,371.97
26 22 13 00-0145	EA	300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	36,477.21	1,701.25
26 22 13 00-0146		NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0056)		
26 22 13 00-0147		Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0146)		
		Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0148		150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0147)		



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Low-Voltage Transformers		26 22	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0149	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	3,181.06	490.76
26 22 13 00-0150	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	3,880.59	599.82
26 22 13 00-0151	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,675.43	708.88
26 22 13 00-0152	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	6,251.83	817.94
26 22 13 00-0153	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	8,342.56	981.53
26 22 13 00-0154	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	10,353.16	1,090.59
26 22 13 00-0155	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	13,710.79	1,363.23
26 22 13 00-0156	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	19,257.20	1,690.40
26 22 13 00-0157 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0147)				
26 22 13 00-0158	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	3,842.84	490.76
26 22 13 00-0159	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,682.21	599.82
26 22 13 00-0160	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,652.94	708.88
26 22 13 00-0161	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	7,636.84	817.94
26 22 13 00-0162	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	9,772.10	981.53
26 22 13 00-0163	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	12,804.76	1,090.59
26 22 13 00-0164	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	17,006.30	1,363.23
26 22 13 00-0165	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	24,020.11	1,690.40
26 22 13 00-0166 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0147)				
26 22 13 00-0167	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,501.95	490.76
26 22 13 00-0168	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,486.05	599.82
26 22 13 00-0169	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	6,630.47	708.88
26 22 13 00-0170	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	9,019.62	817.94
26 22 13 00-0171	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	11,575.73	981.53
26 22 13 00-0172	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	15,256.36	1,090.59
26 22 13 00-0173	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	20,301.82	1,363.23
26 22 13 00-0174	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	28,783.02	1,690.40
26 22 13 00-0175 Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0146)				
Note: Two taps at 2.5%, four at -2.5%.				
26 22 13 00-0176 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0175)				
26 22 13 00-0177	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	4,281.50	490.76
26 22 13 00-0178	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,218.84	599.82
26 22 13 00-0179	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,303.14	708.88
26 22 13 00-0180	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	8,558.69	817.94
26 22 13 00-0181	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	11,602.44	981.53
26 22 13 00-0182	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	14,523.77	1,090.59
26 22 13 00-0183	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	19,315.39	1,363.23
26 22 13 00-0184	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	27,360.16	1,690.40

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0185		115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0175)		
26 22 13 00-0186	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	4,940.61	490.76
26 22 13 00-0187	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,022.69	599.82
26 22 13 00-0188	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	7,280.67	708.88
26 22 13 00-0189	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	9,943.70	817.94
26 22 13 00-0190	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	15,111.73	981.53
26 22 13 00-0191	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	19,035.06	1,090.59
26 22 13 00-0192	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	24,294.30	1,363.23
26 22 13 00-0193	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	36,153.40	1,690.40
26 22 13 00-0194		80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0175)		
26 22 13 00-0195	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,601.93	490.76
26 22 13 00-0196	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,826.52	599.82
26 22 13 00-0197	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	8,258.18	708.88
26 22 13 00-0198	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	11,326.48	817.94
26 22 13 00-0199	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	17,930.74	981.53
26 22 13 00-0200	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	23,125.52	1,090.59
26 22 13 00-0201	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	29,270.97	1,363.23
26 22 13 00-0202	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	43,176.41	1,690.40
26 22 13 00-0203		3 Phase Weathershields (26 22 13 00-0056) Note: Use with type DT-3 and DS-3.		
26 22 13 00-0204	EA	45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	656.01	
26 22 13 00-0205	EA	150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	1,114.02	
26 22 13 00-0206	EA	500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	1,114.02	
26 22 13 00-0207		Three Phase Mounting Brackets (26 22 13 00-0056)		
26 22 13 00-0208	EA	3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA	739.94	194.87
26 22 13 00-0209		Pad Mounted Commercial Type Distribution Transformers UL Listed (26 22 13)		
26 22 13 00-0210		Distribution 3 Phase Oil Filled Transformer (26 22 13 00-0209) Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.		
26 22 13 00-0211		Factory Modifications (26 22 13 00-0210) Note: For use with series 4100 3 phase transformers.		
26 22 13 00-0212	EA	Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification	1,202.05	
26 22 13 00-0213	EA	Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification	195.47	
26 22 13 00-0214	EA	Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification	781.86	
26 22 13 00-0215	EA	Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification	2,252.60	
26 22 13 00-0216	EA	Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification	275.95	
26 22 13 00-0217	EA	Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification	218.46	
26 22 13 00-0218		Accessories For Transformer Liquid Containment Area (26 22 13 00-0210) Note: Reinforced concrete curb with 6" slab.		
26 22 13 00-0219	EA	Containment Area For 75 KVA	5,328.75	1,896.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,264.03	
26 22 13 00-0220	EA	Containment Area For 112.5 KVA	5,328.75	1,896.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,264.03	
26 22 13 00-0221	EA	Containment Area For 150 KVA	5,328.75	1,896.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,264.03	
26 22 13 00-0222	EA	Containment Area For 225 KVA	5,328.75	1,896.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,264.03	
26 22 13 00-0223	EA	Containment Area For 300 KVA	5,321.96	1,896.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,262.00	
26 22 13 00-0224	EA	Containment Area For 500 KVA	5,321.96	1,896.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,262.00	



		Electrical	26
		Low-Voltage Electrical Distribution	26 20
		Low-Voltage Transformers	26 22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0225 EA Containment Area For 750 KVA..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5,354.15 1,262.00	1,896.02
26 22 13 00-0226 EA Containment Area For 1,000 KVA..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5,820.97 1,262.00	1,896.02
26 22 13 00-0227 Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 95 KV BIL (26 22 13 00-0210) Note: Rated to 5 KVA.		
26 22 13 00-0228 EA 45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	8,206.82	1,308.70
26 22 13 00-0229 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	8,896.70	1,308.70
26 22 13 00-0230 EA 112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	9,356.62	1,308.70
26 22 13 00-0231 EA 150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	10,736.38	1,308.70
26 22 13 00-0232 EA 225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	11,845.14	1,963.06
26 22 13 00-0233 EA 300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	12,305.06	1,963.06
26 22 13 00-0234 EA 500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	17,824.11	1,963.06
26 22 13 00-0235 EA 750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	22,852.53	2,617.41
26 22 13 00-0236 EA 1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	28,831.49	2,617.41
26 22 13 00-0237 Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 95 BIL (26 22 13 00-0210) Note: Rated to 5 KVA.		
26 22 13 00-0238 EA 45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	8,436.78	1,308.70
26 22 13 00-0239 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	9,356.62	1,308.70
26 22 13 00-0240 EA 112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	9,586.58	1,308.70
26 22 13 00-0241 EA 150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	9,816.54	1,308.70
26 22 13 00-0242 EA 225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	11,845.14	1,963.06
26 22 13 00-0243 EA 300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	12,764.99	1,963.06
26 22 13 00-0244 EA 500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	17,824.11	1,963.06
26 22 13 00-0245 EA 750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	23,082.49	2,617.41
26 22 13 00-0246 EA 1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	28,831.49	2,617.41
26 22 13 00-0247 Primary 5 KV Or 15 KV, Secondary 277/480 Volt (26 22 13 00-0209) Note: 4-2.5 Percent taps FCAN and FCBN. Pad mounted.		
26 22 13 00-0248 EA 150 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	13,956.36	1,744.98
26 22 13 00-0249 EA 225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	15,458.24	2,059.98
26 22 13 00-0250 EA 300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	17,648.53	2,517.75
26 22 13 00-0251 EA 500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	20,796.91	2,832.76
26 22 13 00-0252 EA 750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	24,849.49	2,981.76
26 22 13 00-0253 EA 1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	31,128.84	4,356.79
26 22 13 00-0254 EA 1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	36,300.62	4,929.00
26 22 13 00-0255 EA 2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	44,779.36	5,665.52
26 22 13 00-0256 EA 2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	49,041.12	5,948.79
26 22 13 00-0257 EA 3,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	52,286.80	6,628.88
26 22 13 00-0258 EA 3,750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	59,330.42	7,082.12
26 22 13 00-0259 Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled (26 22 13 00-0209)		
26 22 13 00-0260 EA 1,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	52,771.85	4,860.19
26 22 13 00-0261 EA 2,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	64,641.95	5,589.26
26 22 13 00-0262 EA 2,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	73,146.15	5,883.39
26 22 13 00-0263 EA 3,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	77,936.81	6,575.57
26 22 13 00-0264 EA 3,750 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	86,926.76	6,774.83
26 22 13 00-0265 Silicone Filled Distribution Transformers, 3 Phase (26 22 13 00-0209) Note: Primary 5 KV or 15 KV, secondary 277/480 V, 4-2.5 percent taps FCAN and FCBN. Pad mounted.		
26 22 13 00-0266 EA 225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase.....	22,746.28	2,059.98
26 22 13 00-0267 EA 300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase.....	24,848.53	2,517.75
26 22 13 00-0268 EA 500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase.....	28,961.25	2,832.76
26 22 13 00-0269 EA 750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase.....	34,460.33	2,981.76
26 22 13 00-0270 EA 1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase.....	42,413.72	4,356.79

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0271 EA 1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase.....	53,024.78	4,929.00
26 22 13 00-0272 EA 2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase.....	64,098.56	5,665.52
26 22 13 00-0273 EA 2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase.....	72,568.88	5,948.79
26 22 13 00-0274 Foam Core Poly Transformer Pads (26 22 13)		
26 22 13 00-0275 EA Single Phase Foam Core Poly Pads.....	205.63	36.84
Note: Excludes site prep.		
26 24 Switchboards and Panelboards (26 20)		
26 24 13 Switchboards (26 24)		
Note: Installation of free-standing building distribution switchboards. Switchboard sections to be mounted on 4" concrete pad. Includes material, handling, unloading at job site, assembly and installation, wiring connections, testing and cleanup. Exclude concrete pad and foundation.		
26 24 13 00-0001 Fusible Switch Type 240 Volt, 3 Phase, 3 Wire (26 24 13)		
26 24 13 00-0002 Incoming Service Section Main Device Only (26 24 13 00-0001)		
Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0003 EA 400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	3,885.15	932.96
26 24 13 00-0004 EA 600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,307.16	986.83
26 24 13 00-0005 EA 800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,028.59	1,119.40
26 24 13 00-0006 EA 1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,572.15	1,200.04
26 24 13 00-0007 EA 1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	12,248.03	1,279.50
26 24 13 00-0008 EA 2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	13,668.22	1,360.46
26 24 13 00-0009 EA 400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	4,733.60	932.96
26 24 13 00-0010 EA 600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	6,095.28	986.83
26 24 13 00-0011 EA 800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	8,534.47	1,120.36
26 24 13 00-0012 EA 1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	11,724.92	1,200.04
26 24 13 00-0013 EA 1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	12,248.03	1,280.78
26 24 13 00-0014 EA 2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,668.22	1,360.46
26 24 13 00-0015 EA 2,500 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	16,459.74	1,422.32
26 24 13 00-0016 EA 3,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	18,670.66	1,523.76
26 24 13 00-0017 EA 4,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	22,063.61	1,642.58
26 24 13 00-0018 EA 400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,607.93	826.62
26 24 13 00-0019 EA 600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,886.71	880.06
26 24 13 00-0020 EA 800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,305.68	1,013.06
26 24 13 00-0021 EA 1,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,568.82	1,055.62
26 24 13 00-0022 EA 1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,805.13	1,093.70
26 24 13 00-0023 EA 1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,173.65	1,172.63
26 24 13 00-0024 EA 2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,513.66	1,253.05
26 24 13 00-0025 Branch Breaker Units (26 24 13 00-0001)		
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0026 EA 15 To 60 Amperes, 240 Volt, MC Branch Breaker	340.42	32.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		
26 24 13 00-0027 EA 70 To 100 Amperes, 240 Volt, MC Branch Breaker	498.23	51.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		
26 24 13 00-0028 EA 125 To 225 Amperes, 240 Volt, MC Branch Breaker	1,344.88	93.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		
26 24 13 00-0029 EA 100 To 400 Amperes, 240 Volt, MC Branch Breaker	2,394.43	121.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		
26 24 13 00-0030 EA 300 To 600 Amperes, 240 Volt, MC Branch Breaker	4,252.61	298.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		
26 24 13 00-0031 EA 400 To 800 Amperes, 240 Volt, MC Branch Breaker	6,835.83	298.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		
26 24 13 00-0032 EA 600 To 1,200 Amperes, 240 Volt, MC Branch Breaker	11,075.53	532.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		
26 24 13 00-0033 Fusible Switch Type 480 Volt, 3 Phase, 3 Wire (26 24 13)		
26 24 13 00-0034 Incoming Service Section Main Device Only (26 24 13 00-0033)		
Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0035 EA 400 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	5,506.86	1,210.60
26 24 13 00-0036 EA 600 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	6,161.16	1,210.60
26 24 13 00-0037 EA 800 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	9,206.40	1,573.24
26 24 13 00-0038 EA 1,200 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	10,446.99	1,573.24
26 24 13 00-0039 Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire (26 24 13)		
26 24 13 00-0040 Incoming Service Section Main Device Only (26 24 13 00-0039)		
Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0041 EA 200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	3,498.05	826.62
26 24 13 00-0042 EA 600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	3,901.01	880.06
26 24 13 00-0043 EA 800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	6,027.56	1,013.06
26 24 13 00-0044 EA 1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	6,550.13	1,092.85
26 24 13 00-0045 EA 200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	4,303.48	826.62



		Electrical	26	26
		Low-Voltage Electrical Distribution	26 20	
		Switchboards and Panelboards	26 24	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
26 24 13 00-0046	EA 600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	5,460.23		880.06	
26 24 13 00-0047	EA 800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	7,700.37		1,013.06	
26 24 13 00-0048	EA 1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	11,112.50		1,092.85	
26 24 13 00-0049	EA 2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	13,054.47		1,226.60	
26 24 13 00-0050	EA 200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	2,427.66		719.85	
26 24 13 00-0051	EA 600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	2,725.60		773.39	
26 24 13 00-0052	EA 800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	3,199.85		906.41	
26 24 13 00-0053	EA 1,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	3,448.50		948.96	
26 24 13 00-0054	EA 1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	3,689.58		986.83	
26 24 13 00-0055	EA 1,600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,006.07		1,055.62	
26 24 13 00-0056	EA 2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,316.14		1,119.40	
26 24 13 00-0057	EA 2,500 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	5,358.30		1,386.59	
26 24 13 00-0058	EA 3,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	6,002.32		1,519.92	
26 24 13 00-0059	EA 4,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	7,085.19		1,639.91	
26 24 13 00-0060	Branch Breaker Units (26 24 13 00-0039) Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.				
26 24 13 00-0061	EA 15 To 60 Amperes, 120 / 240 Volt, MC Branch Breaker	181.47		28.26	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.96			
26 24 13 00-0062	EA 70 To 100 Amperes, 120 / 240 Volt, MC Branch Breaker	288.00		46.93	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.16			
26 24 13 00-0063	EA 125 To 225 Amperes, 120 / 240 Volt, MC Branch Breaker	888.43		65.59	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.36			
26 24 13 00-0064	EA 100 To 400 Amperes, 120 / 240 Volt, MC Branch Breaker	2,569.32		84.26	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.56			
26 24 13 00-0065	EA 300 To 600 Amperes, 120/240 Volt, MC Branch Breaker	4,036.76		205.33	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	123.18			
26 24 13 00-0066	EA 400 To 800 Amperes, 120/240 Volt, MC Branch Breaker	5,750.88		205.33	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	123.18			
26 24 13 00-0067	EA 600 To 1,200 Amperes, 120/240 Volt, MC Branch Breaker	9,475.10		391.97	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	235.21			
26 24 13 00-0068	Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire (26 24 13)				
26 24 13 00-0069	Incoming Service Section Main Device Only (26 24 13 00-0068) Note: Copper bus, non-metering type, with fuses.				
26 24 13 00-0070	EA 400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	3,886.47		932.96	
26 24 13 00-0071	EA 600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,305.70		986.83	
26 24 13 00-0072	EA 800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,026.72		1,119.40	
26 24 13 00-0073	EA 1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,570.00		1,200.04	
26 24 13 00-0074	EA 1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	12,243.11		1,279.50	
26 24 13 00-0075	EA 2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	13,668.22		1,360.46	
26 24 13 00-0076	EA 400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	4,734.92		932.96	
26 24 13 00-0077	EA 600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	6,093.82		986.83	
26 24 13 00-0078	EA 800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	8,534.47		1,120.36	
26 24 13 00-0079	EA 1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	11,722.77		1,200.04	
26 24 13 00-0080	EA 1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	12,245.56		1,280.78	
26 24 13 00-0081	EA 2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,668.22		1,360.46	
26 24 13 00-0082	EA 400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,742.53		826.62	
26 24 13 00-0083	EA 600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,073.20		880.06	
26 24 13 00-0084	EA 800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,585.46		1,013.06	
26 24 13 00-0085	EA 1,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,863.23		1,055.62	
26 24 13 00-0086	EA 1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,132.19		1,093.70	
26 24 13 00-0087	EA 1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,487.87		1,172.63	
26 24 13 00-0088	EA 2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,848.41		1,253.05	
26 24 13 00-0089	EA 2,500 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,765.33		1,423.92	
26 24 13 00-0090	EA 3,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	6,387.12		1,523.65	
26 24 13 00-0091	EA 4,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	7,566.68		1,637.24	
26 24 13 00-0092	Branch Breaker Units (26 24 13 00-0068) Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.				
26 24 13 00-0093	EA 15 To 60 Amperes, 120/208 Volt, MC Branch Breaker	340.42		32.53	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.52			
26 24 13 00-0094	EA 70 To 100 Amperes, 120/208 Volt, MC Branch Breaker	498.23		51.20	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.72			
26 24 13 00-0095	EA 125 To 225 Amperes, 120/208 Volt, MC Branch Breaker	1,344.88		93.32	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.00			
26 24 13 00-0096	EA 100 To 400 Amperes, 120/208 Volt, MC Branch Breaker	2,394.43		121.60	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.95			
26 24 13 00-0097	EA 300 To 600 Amperes, 120/208 Volt, MC Branch Breaker	4,252.61		298.65	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	179.16			
26 24 13 00-0098	EA 400 To 800 Amperes, 120/208 Volt, MC Branch Breaker	6,835.83		298.65	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	179.16			
26 24 13 00-0099	EA 600 To 1,200 Amperes, 120/208 Volt, MC Branch Breaker	11,075.53		532.24	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	319.34			
26 24 13 00-0100	Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire (26 24 13)				

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0101	Incoming Service Section Main Device Only (26 24 13 00-0100)			
Note: Copper bus, non-metering type, with fuses.				
26 24 13 00-0102	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	5,026.96	1,279.50
26 24 13 00-0103	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	5,524.44	1,360.46
26 24 13 00-0104	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,922.96	1,518.52
26 24 13 00-0105	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	8,666.12	1,625.93
26 24 13 00-0106	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	6,467.43	1,279.50
26 24 13 00-0107	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	8,753.04	1,360.46
26 24 13 00-0108	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	9,921.06	1,520.24
26 24 13 00-0109	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	12,574.51	1,625.93
26 24 13 00-0110	EA	1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,151.58	1,733.78
26 24 13 00-0111	EA	2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	14,630.32	1,841.50
26 24 13 00-0112	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,742.53	826.62
26 24 13 00-0113	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,073.20	880.06
26 24 13 00-0114	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,585.46	1,013.06
26 24 13 00-0115	EA	1,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,863.23	1,055.62
26 24 13 00-0116	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,132.19	1,093.70
26 24 13 00-0117	EA	1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,487.87	1,172.63
26 24 13 00-0118	EA	2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,848.41	1,253.05
26 24 13 00-0119	Branch Breaker Units (26 24 13 00-0100)			
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.				
26 24 13 00-0120	EA	15 To 60 Amperes, 480/277 Volt, MC Branch Breaker	710.44	32.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			19.52	
26 24 13 00-0121	EA	70 To 100 Amperes, 480/277 Volt, MC Branch Breaker	816.62	51.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			30.72	
26 24 13 00-0122	EA	125 To 225 Amperes, 480/277 Volt, MC Branch Breaker	1,480.84	93.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			56.00	
26 24 13 00-0123	EA	100 To 400 Amperes, 480/277 Volt, MC Branch Breaker	2,394.43	121.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			72.95	
26 24 13 00-0124	EA	300 To 600 Amperes, 480/277 Volt, MC Branch Breaker	5,736.11	298.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			179.16	
26 24 13 00-0125	EA	400 To 800 Amperes, 480/277 Volt, MC Branch Breaker	5,868.63	298.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			179.16	
26 24 13 00-0126	EA	600 To 1,200 Amperes, 480/277 Volt, MC Branch Breaker	9,407.88	532.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			319.34	
26 24 13 00-0127	Fusible Branch Circuit Switch (26 24 13)			
Note: Includes switch fuses, and portion of distribution section occupied by that branch device.				
26 24 13 00-0128	240 Volt, 2 Pole Twin Branch Switch Units (26 24 13 00-0127)			
26 24 13 00-0129	EA	30/30 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	723.64	83.73
For Electrical Interlock Kit, Add			300.86	
26 24 13 00-0130	EA	30/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	721.06	83.73
For Electrical Interlock Kit, Add			300.86	
26 24 13 00-0131	EA	60/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	721.06	83.73
For Electrical Interlock Kit, Add			300.86	
26 24 13 00-0132	EA	60/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	1,135.18	110.40
For Electrical Interlock Kit, Add			300.86	
26 24 13 00-0133	EA	100/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	1,135.18	110.40
For Electrical Interlock Kit, Add			300.86	
26 24 13 00-0134	240 Volt, 2 Pole Single Branch Switch Units (26 24 13 00-0127)			
26 24 13 00-0135	EA	100 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	830.02	82.13
For Electrical Interlock Kit, Add			288.22	
26 24 13 00-0136	EA	200 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	1,216.51	82.13
For Electrical Interlock Kit, Add			288.22	
26 24 13 00-0137	EA	400 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	3,125.13	221.33
26 24 13 00-0138	240 Volt, 3 Pole Twin Branch Switch Units (26 24 13 00-0127)			
26 24 13 00-0139	EA	30/30 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	929.46	94.40
For Electrical Interlock Kit, Add			300.86	
26 24 13 00-0140	EA	30/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	926.88	94.40
For Electrical Interlock Kit, Add			300.86	
26 24 13 00-0141	EA	60/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	926.88	94.40
For Electrical Interlock Kit, Add			300.86	
26 24 13 00-0142	EA	60/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,398.89	126.40
For Electrical Interlock Kit, Add			300.86	
26 24 13 00-0143	EA	100/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,398.89	126.40
For Electrical Interlock Kit, Add			300.86	
26 24 13 00-0144	240 Volt, 3 Pole Single Branch Switch Units (26 24 13 00-0127)			
26 24 13 00-0145	EA	100 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	1,006.41	92.79
For Electrical Interlock Kit, Add			300.86	
26 24 13 00-0146	EA	200 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	1,636.46	92.79
For Electrical Interlock Kit, Add			288.22	



		Electrical	26
		Low-Voltage Electrical Distribution	26 20
		Switchboards and Panelboards	26 24

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0147 EA 400 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	4,193.63	247.77
26 24 13 00-0148 EA 600 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	5,994.79	317.42
26 24 13 00-0149 EA 800 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	11,184.74	430.06
26 24 13 00-0150 600 Volt, 3 Pole Twin Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0151 EA 30/30 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,319.61	94.40
For Electrical Interlock Kit, Add	300.86	
26 24 13 00-0152 EA 30/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,317.00	94.40
For Electrical Interlock Kit, Add	300.86	
26 24 13 00-0153 EA 60/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,319.61	94.40
For Electrical Interlock Kit, Add	300.86	
26 24 13 00-0154 EA 60/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,987.57	126.40
For Electrical Interlock Kit, Add	300.86	
26 24 13 00-0155 EA 100/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	2,031.13	126.40
For Electrical Interlock Kit, Add	300.86	
26 24 13 00-0156 EA 200/200 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	4,342.09	165.33
For Electrical Interlock Kit, Add	300.86	
26 24 13 00-0157 600 Volt, 3 Pole, Single Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0158 EA 100 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	1,426.61	92.79
For Electrical Interlock Kit, Add	300.86	
26 24 13 00-0159 EA 200 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	2,169.92	92.79
For Electrical Interlock Kit, Add	288.22	
26 24 13 00-0160 EA 400 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	5,275.73	247.77
For Electrical Interlock Kit, Add	288.22	
26 24 13 00-0161 EA 600 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	6,404.37	317.42
26 24 13 00-0162 EA 800 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	11,184.74	430.06
26 24 13 00-0163 Service And Distribution Structures (26 24 13)		
26 24 13 00-0164 Distribution Section 600 Volt, 250 Volt DC (26 24 13 00-0163)		
26 24 13 00-0165 600 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24 13 00-0166 EA 14 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	2,542.58	981.27
26 24 13 00-0167 EA 24 To 30 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,044.07	981.27
26 24 13 00-0168 EA 34 To 38 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,389.74	1,247.93
26 24 13 00-0169 EA 42 To 48 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,734.32	1,247.93
26 24 13 00-0170 800 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24 13 00-0171 EA 14 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	2,856.16	1,135.93
26 24 13 00-0172 EA 24 To 30 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,344.02	1,135.93
26 24 13 00-0173 EA 34 To 38 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,734.32	1,407.92
26 24 13 00-0174 EA 42 To 48 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,043.87	1,407.92
26 24 13 00-0175 1,200 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24 13 00-0176 EA 14 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,341.50	1,386.59
26 24 13 00-0177 EA 24 To 30 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,841.01	1,386.59
26 24 13 00-0178 EA 34 To 38 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,255.49	1,706.57
26 24 13 00-0179 EA 42 To 48 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,708.98	1,706.57
26 24 13 00-0180 1,600 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24 13 00-0181 EA 14 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,156.25	1,519.92
26 24 13 00-0182 EA 24 To 30 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,748.98	1,519.92
26 24 13 00-0183 EA 34 To 38 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,240.51	1,877.23
26 24 13 00-0184 EA 42 To 48 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,635.54	1,877.23
26 24 13 00-0185 2,000 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24 13 00-0186 EA 14 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,353.99	1,525.25
26 24 13 00-0187 EA 24 To 30 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,993.18	1,717.23
26 24 13 00-0188 EA 34 To 38 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,103.77	1,717.23
26 24 13 00-0189 EA 42 To 48 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,313.06	1,813.23
26 24 13 00-0190 3,000 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24 13 00-0191 EA 24 To 30 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,044.54	1,717.23
26 24 13 00-0192 EA 34 To 38 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,153.48	1,717.23
26 24 13 00-0193 EA 42 To 48 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,362.77	1,813.23
26 24 13 00-0194 4,000 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24 13 00-0195 EA 24 To 30 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,181.28	1,813.23
26 24 13 00-0196 EA 34 To 38 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,362.77	1,813.23
26 24 13 00-0197 EA 42 To 48 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,438.35	1,813.23

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 24 13 00-0198 Pull Boy, Horizontal Mounted Across Top Of Switch Board (26 24 13 00-0164)			
26 24 13 00-0199	EA	18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard	551.25
26 24 13 00-0200	EA	Drilled Bottom For Pull Boy	621.30
26 24 13 00-0201	EA	Cable Supports In Pull Box	224.31
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.78
26 24 13 00-0202 Underground Pull Sections (26 24 13 00-0164)			
		Note: Excludes no bus or terminal.	
26 24 13 00-0203	EA	12 To 20" Wide, 15 - 20" Deep, Underground Pull Section Without Bus Or Terminal	532.18
26 24 13 00-0204	EA	24 To 28" Wide, 20" Deep, Underground Pull Section Without Bus Or Terminal	925.88
26 24 13 00-0205	EA	24 To 28" Wide, 30" Deep, Underground Pull Section Without Bus Or Terminal	925.88
26 24 13 00-0206	EA	14 To 20" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal	691.62
26 24 13 00-0207	EA	28 To 30" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal	992.89
26 24 13 00-0208	EA	14 To 20" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	1,131.95
26 24 13 00-0209	EA	24 To 30" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	1,184.92
26 24 13 00-0210	EA	38" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	1,249.45
26 24 13 00-0211 Switchboard Sections (26 24 13 00-0163)			
26 24 13 00-0212	EA	600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	4,304.81
26 24 13 00-0213	EA	800 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	4,715.77
26 24 13 00-0214	EA	1,200 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	5,911.76
26 24 13 00-0215	EA	1,600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	6,465.85
26 24 13 00-0216	EA	2,000 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	6,895.99
26 24 13 00-0217	EA	400 Amperes, 480 Volt, Switchboard Incoming For Switch Circuit Section	5,148.63
26 24 13 00-0218	EA	200 Amperes, Distribution Section Subfeeder Lug-Rated	2,902.45
26 24 13 00-0219	EA	400 Amperes, Distribution Section Subfeeder Lug-Rated	3,217.83
26 24 13 00-0220	EA	120/208 Or 277/480 Volt, 4 Wire, Distribution Section Aluminum Bus	5,257.30
26 24 13 00-0221	EA	800 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker	5,670.33
26 24 13 00-0222	EA	1,000 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker	6,237.07
26 24 13 00-0223	EA	15 To 60 Amperes, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame	161.31
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.57
26 24 13 00-0224	EA	70 To 100 Amperes, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame	197.11
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.48
26 24 13 00-0225	EA	70 To 225 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame	928.24
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.90
26 24 13 00-0226	EA	125 To 400 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame	1,542.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.43
26 24 13 00-0227	EA	100 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker	610.43
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.66
26 24 13 00-0228	EA	225 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker	1,741.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.90
26 24 13 00-0229 Switchboard, Structure Per Section Copper, 480 Volt (26 24 13 00-0163)			
26 24 13 00-0230	EA	225 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	2,231.38
26 24 13 00-0231	EA	400 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	3,177.29
26 24 13 00-0232	EA	600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	3,558.61
26 24 13 00-0233	EA	800 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	4,477.37
26 24 13 00-0234	EA	1,200 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	5,547.11
26 24 13 00-0235	EA	1,600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	6,127.33
26 24 13 00-0236	EA	2,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	7,551.23
26 24 13 00-0237	EA	2,500 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	8,663.78
26 24 13 00-0238	EA	3,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	10,185.32
26 24 13 00-0239	EA	4,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	12,232.53
26 24 13 00-0240 Main Devices (26 24 13)			
26 24 13 00-0241 Power Circuit Breakers (26 24 13 00-0240)			
26 24 13 00-0242 DSL Breaker With Current Limiters And Amptector (26 24 13 00-0241)			
		Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.	
26 24 13 00-0243	EA	50 To 800 Amperes, DSL-206, Main Breaker With Current Limiter, Amptector Static Trip	7,883.10
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	670.54
26 24 13 00-0244	EA	50 To 1,600 Amperes, DSL-416, Main Breaker With Current Limiter, Amptector Static Trip	14,403.10
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,118.82
26 24 13 00-0245	EA	1,200 To 3,200 Amperes, DSL-632, Main Breaker With Current Limiter, Amptector Static Trip	32,554.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,864.70
26 24 13 00-0246	EA	4,000 Amperes, DSL-840, Main Breaker With Current Limiter, Amptector Static Trip	52,426.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,100.60
26 24 13 00-0247	EA	Ground-Fault Trip All Power Breakers - Factory Installed	2,786.02
26 24 13 00-0248	EA	Key Interlock All Power Breakers - Factory Installed	359.81
26 24 13 00-0249	EA	Short Time Delay Selective Trip - Factory Installed	472.04
26 24 13 00-0250	EA	Shunt Trip Manually Open Breakers - Factory Installed	340.00
26 24 13 00-0251 DSL Breaker Electrical Operated And Amptector (26 24 13 00-0241)			
		Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.	



Electrical			26
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0252 EA 50 To 800 Amperes, DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip9,250.09 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 707.30		1,173.27
26 24 13 00-0253 EA 50 To 1,600 Amperes, DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip .....17,206.94 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 1,178.14		1,973.23
26 24 13 00-0254 EA 1,200 To 3,200 Amperes, DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip .....36,595.90 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 1,960.68		3,253.15
26 24 13 00-0255 EA 4,000 Amperes, DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip .....56,475.18 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 3,278.51		5,333.04
26 24 13 00-0256 DS Breakers With Amptector Static Trip, Manually Operated (26 24 13 00-0241) Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.		
26 24 13 00-0257 EA 50 To 800 Amperes, DS-206, Main Breaker With Groundfault, Amptector Static Trip .....6,259.91 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 615.35		1,023.94
26 24 13 00-0258 EA 50 To 1,600 Amperes, DS-416, Main Breaker With Groundfault, Amptector Static Trip .....11,471.34 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 1,025.59		1,717.23
26 24 13 00-0259 EA 2,000 Amperes, DS-420, Main Breaker With Groundfault, Amptector Static Trip .....16,968.86 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 1,709.31		2,879.84
26 24 13 00-0260 EA 1,200 To 3,200 Amperes, DS-632, Main Breaker With Groundfault, Amptector Static Trip .....29,303.48 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 2,846.82		4,639.74
26 24 13 00-0261 EA 4,000 Amperes, DS-840, Main Breaker With Groundfault, Amptector Static Trip .....47,668.91 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 4,733.46		7,572.91
26 24 13 00-0262 DS Breakers With Amptector Static Trip, Electrically Operated (26 24 13 00-0241) Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.		
26 24 13 00-0263 EA 50 To 800 Amperes, DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip .....7,409.57 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 586.91		981.27
26 24 13 00-0264 EA 50 To 1,600 Amperes, DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip .....13,849.32 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 977.94		1,642.58
26 24 13 00-0265 EA 2,000 Amperes, DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip .....19,678.97 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 1,632.56		2,730.52
26 24 13 00-0266 EA 1,200 To 3,200 Amperes, DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip .....32,473.69 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 2,720.94		4,447.75
26 24 13 00-0267 EA 4,000 Amperes, DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip .....50,730.21 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 4,545.20		7,626.25
26 24 13 00-0268 Molded Case Circuit Breakers Conventional (26 24 13 00-0241)		
26 24 13 00-0269 EA 70 To 225 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker .....2,613.24 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 516.10		895.95
26 24 13 00-0270 EA 125 To 400 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker .....3,856.78 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 561.37		895.95
26 24 13 00-0271 EA 300 To 600 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker .....4,279.33 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 615.35		1,066.61
26 24 13 00-0272 EA 400 To 800 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker .....5,098.90 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 666.63		1,066.61
26 24 13 00-0273 EA 600 To 1,200 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker .....7,614.41 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 730.55		1,279.93
26 24 13 00-0274 EA 1,000 To 2,000 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker .....12,373.56 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 808.04		1,279.93
26 24 13 00-0275 EA Shunt Trip, Factory Installed .....356.50		
26 24 13 00-0276 EA Groundfault Trip Complete Interrupting Circuit, Factory Installed .....82.52		
26 24 13 00-0277 Switchboard Branch Breaker 480 Volt (26 24 13 00-0240)		
26 24 13 00-0278 EA 60 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker .....555.54 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 46.37		77.32
26 24 13 00-0279 EA 100 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker .....653.97 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 61.54		102.61
26 24 13 00-0280 EA 225 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker .....1,907.34 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 92.70		154.45
26 24 13 00-0281 EA 400 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker .....2,522.35 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 116.27		193.81
26 24 13 00-0282 EA 600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker .....3,050.05 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 155.94		259.93
26 24 13 00-0283 EA 800 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker .....3,681.32 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 199.99		333.32
26 24 13 00-0284 EA 1,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker .....5,924.44 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 304.74		507.92
26 24 13 00-0285 EA 1,200 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker .....5,924.44 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 304.74		507.92
26 24 13 00-0286 EA 1,600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker .....8,309.55 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 426.64		711.11
26 24 13 00-0287 EA 2,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker .....10,348.02 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 639.97		1,066.61
26 24 13 00-0288 Switchboard 277/480 Volt Main Breaker (26 24 13 00-0240)		
26 24 13 00-0289 EA 400 Amperes, 277/480 Volt, Main Breaker, Switchboard .....6,741.79 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 277.76		462.90

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0290 EA 600 Amperes, 277/480 Volt, Main Breaker, Switchboard.....	6,829.80	506.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	304.17	
26 24 13 00-0291 EA 800 Amperes, 277/480 Volt, Main Breaker, Switchboard.....	7,339.64	761.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	457.12	
26 24 13 00-0292 EA 1,200 Amperes, 277/480 Volt, Main Breaker, Switchboard.....	12,581.33	1,066.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	639.97	
26 24 13 00-0293 EA 1,600 Amperes, 277/480 Volt, Main Breaker, Switchboard.....	12,807.86	1,179.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	707.93	
26 24 13 00-0294 EA 2,000 Amperes, 277/480 Volt, Main Breaker, Switchboard.....	16,844.20	2,116.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,269.77	
26 24 13 00-0295 Branch Or Distribution Devices (26 24 13)		
26 24 13 00-0296 3 Pole, Panel Mounted, Molded Case Circuit Breakers (26 24 13 00-0295)		
Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0297 EA 15 To 60 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	434.72	38.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.60	
26 24 13 00-0298 EA 70 To 100 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	443.83	48.00
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.00	
26 24 13 00-0299 EA 125 To 150 Amperes, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	1,037.88	57.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.40	
26 24 13 00-0300 EA 70 To 225 Amperes, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	1,500.28	74.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.60	
26 24 13 00-0301 EA 125 To 400 Amperes, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	2,108.56	92.15
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.43	
26 24 13 00-0302 EA 300 To 600 Amperes, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	2,755.10	107.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	71.99	
26 24 13 00-0303 EA 900 To 1,000 Amperes, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	4,183.44	121.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	81.28	
26 24 13 00-0304 2 Pole, Panel Mounted, Molded Case Circuit Breakers (26 24 13 00-0295)		
Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0305 EA 15 To 60 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	300.76	28.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.20	
26 24 13 00-0306 EA 70 To 100 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	387.14	38.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.60	
26 24 13 00-0307 EA 125 To 150 Amperes, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	1,029.32	48.00
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.00	
26 24 13 00-0308 EA 70 To 225 Amperes, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	1,618.76	53.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.20	
26 24 13 00-0309 EA 125 To 400 Amperes, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	1,717.78	69.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.40	
26 24 13 00-0310 EA 900 To 1,000 Amperes, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	3,863.52	100.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.19	
26 24 13 00-0311 Meter Devices And Instrumentation (26 24 13)		
Note: Factory installed accessories.		
26 24 13 00-0312 Compartments For Instrument Transformers And Metering Devices (26 24 13 00-0311)		
26 24 13 00-0313 EA Compartment For, Up To 800 Amperes, Primary Current Transformer	430.78	
26 24 13 00-0314 EA Compartment For, 1,000 To 1,500 Amperes, Primary Current Transformer	622.23	
26 24 13 00-0315 EA Compartment For, 2,000 To 6,000 Amperes, Primary Current Transformer	732.82	
26 24 13 00-0316 Instruments (26 24 13 00-0311)		
26 24 13 00-0317 EA AC Voltmeter	587.57	
26 24 13 00-0318 EA AC Ammeter	587.57	
26 24 13 00-0319 EA AC Wattmeter	1,569.61	
26 24 13 00-0320 EA Variometer	1,772.62	
26 24 13 00-0321 EA Power Factor Meter	1,416.12	
26 24 13 00-0322 EA Frequency Meter	1,563.01	
26 24 13 00-0323 EA 200 Volt-Amperes Max Potential Transformer	528.16	
26 24 13 00-0324 EA AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block	1,988.84	
26 24 13 00-0325 EA AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2	3,327.38	
26 24 13 00-0326 EA Weatherproof, Modify Meter	3,163.51	
26 24 13 00-0327 EA Control Switch Resistor Type 130 V	73.01	
26 24 13 00-0328 EA Metering Instrument: Voltage, Amperes And Watt Hour	4,013.66	
26 24 16 Panelboards (26 24)		
26 24 16 00-0001 Branch Circuit Panelboard (26 24 16)		
Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing. Panelboards with less than a 30 circuit capacity do not have the door in a door trim front option.		
26 24 16 00-0002 Assembled Lighting And Power Panelboards (26 24 16 00-0001)		
Note: Includes main lugs or breaker (as indicated). 20 Amp, 1 pole branch circuit plug-on breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.		
26 24 16 00-0003 120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)		



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		Low-Voltage Electrical Distribution	26 20	
		Switchboards and Panelboards	26 24	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0004	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	1,181.14 977.90	303.98
26 24 16 00-0005	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	1,341.07 977.90	303.98
26 24 16 00-0006	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	1,521.60 977.90	421.31
26 24 16 00-0007	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	1,704.94 977.90	421.31
26 24 16 00-0008	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	1,876.96 977.90	527.97
26 24 16 00-0009	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,053.47 977.90	527.97
26 24 16 00-0010	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,224.19 977.90	607.97
26 24 16 00-0011	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,669.12 1,075.42 78.58	778.63
26 24 16 00-0012	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,807.74 1,075.42 78.58	778.63
26 24 16 00-0013	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,944.95 1,075.42 78.58	890.62
26 24 16 00-0014	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,166.76 1,270.33 134.21	890.62
26 24 16 00-0015	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,303.94 1,270.33 134.21	1,002.61
26 24 16 00-0016	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,506.78 1,270.33 134.21	1,002.61
26 24 16 00-0017	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,629.67 1,270.33 134.21	1,109.28
26 24 16 00-0018	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,835.08 1,270.33 134.21	1,109.28
26 24 16 00-0019	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,022.43 1,270.33 134.21	1,226.60
26 24 16 00-0020	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,153.33 1,322.15 171.53	1,226.60
26 24 16 00-0021	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,340.68 1,322.15 171.53	1,226.60
26 24 16 00-0022		120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0023	EA	50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	1,406.92 977.90	293.32
26 24 16 00-0024	EA	50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	1,569.16 977.90	293.32
26 24 16 00-0025	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	1,940.14 977.90	501.31
26 24 16 00-0026	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,201.09 977.90	501.31
26 24 16 00-0027	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,376.64 977.90	613.30

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0028	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	2,559.45	613.30
		For NEMA 3R Panelboard, Add	977.90	
26 24 16 00-0029	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	2,722.24	735.96
		For NEMA 3R Panelboard, Add	977.90	
26 24 16 00-0030	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	3,295.67	735.96
		For NEMA 3R Panelboard, Add	1,075.42	
		For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0031	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,440.25	901.28
		For NEMA 3R Panelboard, Add	1,075.42	
		For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0032	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	3,596.93	901.28
		For NEMA 3R Panelboard, Add	1,075.42	
		For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0033	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	3,768.13	1,013.28
		For NEMA 3R Panelboard, Add	1,270.33	
		For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0034	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	3,907.75	1,013.28
		For NEMA 3R Panelboard, Add	1,270.33	
		For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0035	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	4,056.34	1,109.28
		For NEMA 3R Panelboard, Add	1,270.33	
		For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0036	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	4,215.25	1,109.28
		For NEMA 3R Panelboard, Add	1,270.33	
		For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0037	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	4,386.19	1,311.93
		For NEMA 3R Panelboard, Add	1,270.33	
		For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0038	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	4,571.22	1,311.93
		For NEMA 3R Panelboard, Add	1,270.33	
		For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0039	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	4,772.90	1,311.93
		For NEMA 3R Panelboard, Add	1,322.15	
		For Door-In-Door (Hinged) Trim Front, Add	171.53	
26 24 16 00-0040	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	4,898.75	1,386.59
		For NEMA 3R Panelboard, Add	1,322.15	
		For Door-In-Door (Hinged) Trim Front, Add	171.53	
26 24 16 00-0041		120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0042	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,427.73	346.65
		For NEMA 3R Panelboard, Add	977.90	
26 24 16 00-0043	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	1,600.89	346.65
		For NEMA 3R Panelboard, Add	977.90	
26 24 16 00-0044	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	1,797.75	463.98
		For NEMA 3R Panelboard, Add	977.90	
26 24 16 00-0045	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	2,005.03	463.98
		For NEMA 3R Panelboard, Add	977.90	
26 24 16 00-0046	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,190.56	570.63
		For NEMA 3R Panelboard, Add	977.90	
26 24 16 00-0047	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	2,388.60	570.63
		For NEMA 3R Panelboard, Add	977.90	
26 24 16 00-0048	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	2,575.41	677.29
		For NEMA 3R Panelboard, Add	977.90	
26 24 16 00-0049	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	2,767.60	677.29
		For NEMA 3R Panelboard, Add	1,075.42	
		For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0050	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	2,947.32	794.63
		For NEMA 3R Panelboard, Add	1,075.42	
		For Door-In-Door (Hinged) Trim Front, Add	78.58	



		Electrical	26	26
		Low-Voltage Electrical Distribution	26 20	
		Switchboards and Panelboards	26 24	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0051	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers For NEMA 3R Panelboard, Add For Door-In-Door (Hinged) Trim Front, Add 26 24 16 00-0052	3,154.31 1,075.42 78.58	794.63
EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers For NEMA 3R Panelboard, Add For Door-In-Door (Hinged) Trim Front, Add 26 24 16 00-0053	3,364.32 1,075.42 78.58	917.28
EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers For NEMA 3R Panelboard, Add For Door-In-Door (Hinged) Trim Front, Add 26 24 16 00-0054	3,571.27 1,075.42 78.58	917.28
EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers For NEMA 3R Panelboard, Add For Door-In-Door (Hinged) Trim Front, Add 26 24 16 00-0055	3,981.94 1,270.33 134.21	1,109.28
EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers For NEMA 3R Panelboard, Add For Door-In-Door (Hinged) Trim Front, Add 26 24 16 00-0056	4,120.89 1,270.33 134.21	1,109.28
EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers For NEMA 3R Panelboard, Add For Door-In-Door (Hinged) Trim Front, Add 26 24 16 00-0057	4,362.82 1,270.33 134.21	1,231.93
EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers For NEMA 3R Panelboard, Add For Door-In-Door (Hinged) Trim Front, Add 26 24 16 00-0058	4,580.95 1,270.33 134.21	1,231.93
EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers For NEMA 3R Panelboard, Add For Door-In-Door (Hinged) Trim Front, Add 26 24 16 00-0059	4,736.50 1,322.15 171.53	1,343.93
EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers For NEMA 3R Panelboard, Add For Door-In-Door (Hinged) Trim Front, Add 26 24 16 00-0060	4,952.95 1,322.15 171.53	1,343.93
EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers For NEMA 3R Panelboard, Add For Door-In-Door (Hinged) Trim Front, Add 26 24 16 00-0061	4,833.68 1,270.33 134.21	1,192.47
EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers For NEMA 3R Panelboard, Add For Door-In-Door (Hinged) Trim Front, Add 26 24 16 00-0062	4,987.09 1,270.33 134.21	1,253.27
EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers For NEMA 3R Panelboard, Add For Door-In-Door (Hinged) Trim Front, Add 26 24 16 00-0063	5,239.66 1,270.33 134.21	1,319.93
EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers For NEMA 3R Panelboard, Add For Door-In-Door (Hinged) Trim Front, Add 26 24 16 00-0064	5,473.83 1,270.33 134.21	1,397.26
EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers For NEMA 3R Panelboard, Add For Door-In-Door (Hinged) Trim Front, Add 26 24 16 00-0065	5,638.66 1,322.15 171.53	1,439.92
EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers For NEMA 3R Panelboard, Add For Door-In-Door (Hinged) Trim Front, Add 26 24 16 00-0066	5,902.11 1,322.15 171.53	1,527.92
26 24 16 00-0066		120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards (26 24 16 00-0062)		
26 24 16 00-0067	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers For NEMA 3R Panelboard, Add 26 24 16 00-0068	1,706.96 977.90	335.98
EA		50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers For NEMA 3R Panelboard, Add 26 24 16 00-0069	1,882.30 977.90	335.98
EA		50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers For NEMA 3R Panelboard, Add 26 24 16 00-0070	2,091.67 977.90	442.64
EA		50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers For NEMA 3R Panelboard, Add 26 24 16 00-0071	2,385.68 977.90	442.64
EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers For NEMA 3R Panelboard, Add 26 24 16 00-0072	2,809.13 977.90	666.63
EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers For NEMA 3R Panelboard, Add 26 24 16 00-0073	2,990.61 977.90	666.63
EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers For NEMA 3R Panelboard, Add 26 24 16 00-0073	3,186.62 977.90	778.63

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0074	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	3,349.25	778.63
		For NEMA 3R Panelboard, Add	1,075.42	
		For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0075	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,569.48	901.28
		For NEMA 3R Panelboard, Add	1,075.42	
		For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0076	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	3,718.83	901.28
		For NEMA 3R Panelboard, Add	1,075.42	
		For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0077	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	3,963.56	1,013.28
		For NEMA 3R Panelboard, Add	1,075.42	
		For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0078	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	4,174.17	1,013.28
		For NEMA 3R Panelboard, Add	1,075.42	
		For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0079	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	4,911.46	1,173.27
		For NEMA 3R Panelboard, Add	1,270.33	
		For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0080	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	5,127.36	1,237.27
		For NEMA 3R Panelboard, Add	1,270.33	
		For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0081	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	5,218.37	1,237.27
		For NEMA 3R Panelboard, Add	1,270.33	
		For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0082	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	5,460.28	1,397.26
		For NEMA 3R Panelboard, Add	1,270.33	
		For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0083	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	5,630.40	1,397.26
		For NEMA 3R Panelboard, Add	1,322.15	
		For Door-In-Door (Hinged) Trim Front, Add	171.53	
26 24 16 00-0084	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	5,740.47	1,397.26
		For NEMA 3R Panelboard, Add	1,322.15	
		For Door-In-Door (Hinged) Trim Front, Add	171.53	
26 24 16 00-0085	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	5,787.91	1,285.26
		For NEMA 3R Panelboard, Add	1,270.33	
		For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0086	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	6,023.52	1,359.93
		For NEMA 3R Panelboard, Add	1,270.33	
		For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0087	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	6,117.50	1,397.26
		For NEMA 3R Panelboard, Add	1,270.33	
		For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0088	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	6,378.32	1,482.58
		For NEMA 3R Panelboard, Add	1,270.33	
		For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0089	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	6,547.36	1,525.25
		For NEMA 3R Panelboard, Add	1,322.15	
		For Door-In-Door (Hinged) Trim Front, Add	171.53	
26 24 16 00-0090	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	6,705.55	1,578.58
		For NEMA 3R Panelboard, Add	1,322.15	
		For Door-In-Door (Hinged) Trim Front, Add	171.53	
26 24 16 00-0091		480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0092	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,616.33	341.32
		For NEMA 3R Panelboard, Add	977.90	
26 24 16 00-0093	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	1,845.96	341.32
		For NEMA 3R Panelboard, Add	977.90	
26 24 16 00-0094	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	2,066.44	469.31
		For NEMA 3R Panelboard, Add	977.90	
26 24 16 00-0095	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	2,296.06	469.31
		For NEMA 3R Panelboard, Add	977.90	
26 24 16 00-0096	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,510.73	586.63
		For NEMA 3R Panelboard, Add	977.90	



		Electrical	26
		Low-Voltage Electrical Distribution	26 20
		Switchboards and Panelboards	26 24

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0097	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	2,736.50	586.63
		For NEMA 3R Panelboard, Add	977.90	
26 24 16 00-0098	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	2,971.77	709.29
		For NEMA 3R Panelboard, Add	977.90	
26 24 16 00-0099	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	3,188.05	709.29
		For NEMA 3R Panelboard, Add	1,075.42	
		For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0100	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,425.04	842.62
		For NEMA 3R Panelboard, Add	1,075.42	
		For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0101	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	3,654.12	842.62
		For NEMA 3R Panelboard, Add	1,075.42	
		For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0102	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	3,865.37	959.95
		For NEMA 3R Panelboard, Add	1,075.42	
		For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0103	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	4,091.14	959.95
		For NEMA 3R Panelboard, Add	1,075.42	
		For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0104	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	4,570.61	1,167.93
		For NEMA 3R Panelboard, Add	1,270.33	
		For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0105	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	4,796.12	1,167.93
		For NEMA 3R Panelboard, Add	1,270.33	
		For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0106	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	5,035.72	1,279.93
		For NEMA 3R Panelboard, Add	1,270.33	
		For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0107	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	5,212.74	1,279.93
		For NEMA 3R Panelboard, Add	1,270.33	
		For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0108	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	5,478.46	1,413.25
		For NEMA 3R Panelboard, Add	1,322.15	
		For Door-In-Door (Hinged) Trim Front, Add	171.53	
26 24 16 00-0109	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	5,670.37	1,413.25
		For NEMA 3R Panelboard, Add	1,322.15	
		For Door-In-Door (Hinged) Trim Front, Add	171.53	
26 24 16 00-0110		480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0111	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	2,059.53	362.65
		For NEMA 3R Panelboard, Add	977.90	
26 24 16 00-0112	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	2,284.11	394.64
		For NEMA 3R Panelboard, Add	977.90	
26 24 16 00-0113	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	2,511.08	490.64
		For NEMA 3R Panelboard, Add	977.90	
26 24 16 00-0114	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	3,016.14	597.30
		For NEMA 3R Panelboard, Add	977.90	
26 24 16 00-0115	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	3,232.24	661.30
		For NEMA 3R Panelboard, Add	977.90	
26 24 16 00-0116	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	3,429.61	714.63
		For NEMA 3R Panelboard, Add	977.90	
26 24 16 00-0117	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	3,646.70	778.63
		For NEMA 3R Panelboard, Add	977.90	
26 24 16 00-0118	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	3,855.74	842.62
		For NEMA 3R Panelboard, Add	1,075.42	
		For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0119	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	4,047.38	895.95
		For NEMA 3R Panelboard, Add	1,075.42	
		For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0120	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	4,252.66	949.28
		For NEMA 3R Panelboard, Add	1,075.42	
		For Door-In-Door (Hinged) Trim Front, Add	78.58	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0121	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	4,474.45	1,013.28
			For NEMA 3R Panelboard, Add	1,075.42	
			For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0122	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	4,716.44	1,093.28
			For NEMA 3R Panelboard, Add	1,075.42	
			For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0123	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	5,952.29	1,215.93
			For NEMA 3R Panelboard, Add	1,270.33	
			For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0124	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	6,184.51	1,290.59
			For NEMA 3R Panelboard, Add	1,270.33	
			For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0125	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	6,350.88	1,322.59
			For NEMA 3R Panelboard, Add	1,270.33	
			For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0126	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	6,611.43	1,407.92
			For NEMA 3R Panelboard, Add	1,270.33	
			For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0127	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	6,793.99	1,461.25
			For NEMA 3R Panelboard, Add	1,322.15	
			For Door-In-Door (Hinged) Trim Front, Add	171.53	
26 24 16 00-0128	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	6,983.13	1,507.12
			For NEMA 3R Panelboard, Add	1,322.15	
			For Door-In-Door (Hinged) Trim Front, Add	171.53	
26 24 16 00-0129			277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0130	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,971.23	373.31
			For NEMA 3R Panelboard, Add	977.90	
26 24 16 00-0131	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	2,228.57	373.31
			For NEMA 3R Panelboard, Add	977.90	
26 24 16 00-0132	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	2,479.42	495.98
			For NEMA 3R Panelboard, Add	977.90	
26 24 16 00-0133	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	2,732.27	495.98
			For NEMA 3R Panelboard, Add	977.90	
26 24 16 00-0134	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,989.11	613.30
			For NEMA 3R Panelboard, Add	977.90	
26 24 16 00-0135	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	3,240.79	613.30
			For NEMA 3R Panelboard, Add	977.90	
26 24 16 00-0136	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	3,496.47	735.96
			For NEMA 3R Panelboard, Add	977.90	
26 24 16 00-0137	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	3,751.13	735.96
			For NEMA 3R Panelboard, Add	1,075.42	
			For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0138	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	4,028.71	863.95
			For NEMA 3R Panelboard, Add	1,075.42	
			For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0139	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	4,262.37	863.95
			For NEMA 3R Panelboard, Add	1,075.42	
			For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0140	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	4,508.85	869.28
			For NEMA 3R Panelboard, Add	1,075.42	
			For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0141	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 32 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	4,770.82	869.28
			For NEMA 3R Panelboard, Add	1,075.42	
			For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0142	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	5,432.63	1,205.27
			For NEMA 3R Panelboard, Add	1,270.33	
			For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0143	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	5,700.70	1,205.27
			For NEMA 3R Panelboard, Add	1,270.33	
			For Door-In-Door (Hinged) Trim Front, Add	134.21	



		Electrical	26	26
		Low-Voltage Electrical Distribution	26 20	
		Switchboards and Panelboards	26 24	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0144	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	5,909.39	1,269.26
		For NEMA 3R Panelboard, Add	1,270.33	
		For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0145	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	6,201.44	1,354.59
		For NEMA 3R Panelboard, Add	1,270.33	
		For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0146	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	6,423.75	1,354.59
		For NEMA 3R Panelboard, Add	1,322.15	
		For Door-In-Door (Hinged) Trim Front, Add	171.53	
26 24 16 00-0147	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	6,747.05	1,482.58
		For NEMA 3R Panelboard, Add	1,322.15	
		For Door-In-Door (Hinged) Trim Front, Add	171.53	
26 24 16 00-0148		277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0149	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	2,561.00	458.64
		For NEMA 3R Panelboard, Add	977.90	
26 24 16 00-0150	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	2,824.25	458.64
		For NEMA 3R Panelboard, Add	977.90	
26 24 16 00-0151	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	3,077.86	607.97
		For NEMA 3R Panelboard, Add	977.90	
26 24 16 00-0152	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	3,664.73	607.97
		For NEMA 3R Panelboard, Add	977.90	
26 24 16 00-0153	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	3,908.30	767.96
		For NEMA 3R Panelboard, Add	977.90	
26 24 16 00-0154	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	4,151.48	767.96
		For NEMA 3R Panelboard, Add	977.90	
26 24 16 00-0155	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	4,386.62	879.95
		For NEMA 3R Panelboard, Add	977.90	
26 24 16 00-0156	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	4,604.35	879.95
		For NEMA 3R Panelboard, Add	1,075.42	
		For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0157	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	4,835.72	1,002.61
		For NEMA 3R Panelboard, Add	1,075.42	
		For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0158	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	5,083.59	1,002.61
		For NEMA 3R Panelboard, Add	1,075.42	
		For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0159	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	5,297.50	1,109.28
		For NEMA 3R Panelboard, Add	1,075.42	
		For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0160	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	5,521.73	1,109.28
		For NEMA 3R Panelboard, Add	1,075.42	
		For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0161	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	7,241.97	1,311.93
		For NEMA 3R Panelboard, Add	1,270.33	
		For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0162	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	7,513.31	1,311.93
		For NEMA 3R Panelboard, Add	1,270.33	
		For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0163	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	7,714.89	1,434.58
		For NEMA 3R Panelboard, Add	1,270.33	
		For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0164	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	8,017.49	1,434.58
		For NEMA 3R Panelboard, Add	1,270.33	
		For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0165	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	8,237.06	1,567.91
		For NEMA 3R Panelboard, Add	1,322.15	
		For Door-In-Door (Hinged) Trim Front, Add	171.53	
26 24 16 00-0166	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	8,463.94	1,567.91
		For NEMA 3R Panelboard, Add	1,322.15	
		For Door-In-Door (Hinged) Trim Front, Add	171.53	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0167	EA	400 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	10,060.77	1,746.04
		For NEMA 3R Panelboard, Add.....	1,322.15	
		For Door-In-Door (Hinged) Trim Front, Add.....	171.53	
26 24 16 00-0168	EA	600 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >400 To 600 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	12,250.02	2,095.88
		For NEMA 3R Panelboard, Add.....	1,322.15	
		For Door-In-Door (Hinged) Trim Front, Add.....	171.53	
26 24 16 00-0169		Unassembled Lighting And Power Panelboards (26 24 16 00-0001) Note: Listed panelboards include the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device). See CSI section 26 28 16 13-0001 for circuit breakers.		
26 24 16 00-0170		240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards (26 24 16 00-0169) Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.		
26 24 16 00-0171		Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards (26 24 16 00-0170)		
26 24 16 00-0172	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	634.12	
26 24 16 00-0173	EA	100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	728.80	
26 24 16 00-0174	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	988.73	
		For Door-In-Door (Hinged) Trim Front, Add.....	78.58	
26 24 16 00-0175	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,140.47	
		For Door-In-Door (Hinged) Trim Front, Add.....	134.21	
26 24 16 00-0176	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,289.86	
		For Door-In-Door (Hinged) Trim Front, Add.....	171.53	
26 24 16 00-0177	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,440.92	
		For Door-In-Door (Hinged) Trim Front, Add.....	78.58	
26 24 16 00-0178	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,563.72	
		For Door-In-Door (Hinged) Trim Front, Add.....	134.21	
26 24 16 00-0179	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,711.60	
		For Door-In-Door (Hinged) Trim Front, Add.....	171.53	
26 24 16 00-0180	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,848.31	
		For Door-In-Door (Hinged) Trim Front, Add.....	78.58	
26 24 16 00-0181	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,970.21	
		For Door-In-Door (Hinged) Trim Front, Add.....	134.21	
26 24 16 00-0182	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,149.91	
		For Door-In-Door (Hinged) Trim Front, Add.....	171.53	
26 24 16 00-0183		Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards (26 24 16 00-0170)		
26 24 16 00-0184	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	942.29	
26 24 16 00-0185	EA	100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,066.27	
26 24 16 00-0186	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,705.62	
		For Door-In-Door (Hinged) Trim Front, Add.....	78.58	
26 24 16 00-0187	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,892.16	
		For Door-In-Door (Hinged) Trim Front, Add.....	134.21	
26 24 16 00-0188	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,066.78	
		For Door-In-Door (Hinged) Trim Front, Add.....	171.53	
26 24 16 00-0189	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	3,609.65	
		For Door-In-Door (Hinged) Trim Front, Add.....	78.58	
26 24 16 00-0190	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	3,815.60	
		For Door-In-Door (Hinged) Trim Front, Add.....	134.21	
26 24 16 00-0191	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	4,002.59	
		For Door-In-Door (Hinged) Trim Front, Add.....	171.53	
26 24 16 00-0192		Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards (26 24 16 00-0170)		



		Electrical	26
		Low-Voltage Electrical Distribution	26 20
		Switchboards and Panelboards	26 24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0193	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,292.24	
26 24 16 00-0194	EA	100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,379.40	
26 24 16 00-0195	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,623.66	
26 24 16 00-0196	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,772.27	
26 24 16 00-0197	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,909.75	
26 24 16 00-0198	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,182.40	
26 24 16 00-0199	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,297.05	
26 24 16 00-0200	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,437.41	
26 24 16 00-0201	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,631.79	
26 24 16 00-0202	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,749.19	
26 24 16 00-0203	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,917.25	
26 24 16 00-0204		Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards (26 24 16 00-0170)		
26 24 16 00-0205	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,592.89	
26 24 16 00-0206	EA	100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,708.72	
26 24 16 00-0207	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,462.15	
26 24 16 00-0208	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,633.65	
26 24 16 00-0209	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,796.98	
26 24 16 00-0210	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,324.18	
26 24 16 00-0211	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,522.61	
26 24 16 00-0212	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,707.72	
26 24 16 00-0213		240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards (26 24 16 00-0169)		
		Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers		
26 24 16 00-0214		Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards (26 24 16 00-0213)		
26 24 16 00-0215	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	714.04	
26 24 16 00-0216	EA	100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	839.10	
26 24 16 00-0217	EA	100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	943.26	
		For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0218	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,065.24	
		For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0219	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,225.67	
		For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0220	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,356.67	
		For Door-In-Door (Hinged) Trim Front, Add	171.53	
26 24 16 00-0221	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,563.91	
		For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0222	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,684.44	
		For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0223	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,817.09	
		For Door-In-Door (Hinged) Trim Front, Add	171.53	
26 24 16 00-0224	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,985.09	
		For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0225	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,192.55	
		For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0226	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,598.43	
		For Door-In-Door (Hinged) Trim Front, Add	171.53	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 24 16 00-0227 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase**Unassembled Panelboards** (26 24 16 00-0213)

26 24 16 00-0228	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,105.60
26 24 16 00-0229	EA	100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,246.49
26 24 16 00-0230	EA	100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,423.93
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	78.58
26 24 16 00-0231	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,116.23
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	78.58
26 24 16 00-0232	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,290.75
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	134.21
26 24 16 00-0233	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,451.49
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	171.53
26 24 16 00-0234	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	3,400.93
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	78.58
26 24 16 00-0235	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	3,591.61
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	134.21
26 24 16 00-0236	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	3,750.17
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	171.53

26 24 16 00-0237 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase**Unassembled Panelboards** (26 24 16 00-0213)

26 24 16 00-0238	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,372.16
26 24 16 00-0239	EA	100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,489.70
26 24 16 00-0240	EA	100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,585.71
26 24 16 00-0241	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,700.17
26 24 16 00-0242	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,857.47
26 24 16 00-0243	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,976.56
26 24 16 00-0244	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,305.40
26 24 16 00-0245	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,417.78
26 24 16 00-0246	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,542.90
26 24 16 00-0247	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,768.56
26 24 16 00-0248	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,961.61
26 24 16 00-0249	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	3,367.49

26 24 16 00-0250 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards**Unassembled Panelboards** (26 24 16 00-0213)

26 24 16 00-0251	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,756.20
26 24 16 00-0252	EA	100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,888.94
26 24 16 00-0253	EA	100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,062.00
26 24 16 00-0254	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,872.75
26 24 16 00-0255	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	3,032.23
26 24 16 00-0256	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	3,181.69
26 24 16 00-0257	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	4,772.58
26 24 16 00-0258	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	4,969.78
26 24 16 00-0259	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	5,139.37

26 24 16 00-0260 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards (26 24 16 00-0169)

Note: As manufactured by Square D or equal.



Electrical		26
Low-Voltage Electrical Distribution		26 20
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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0261		Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0262	EA	125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,028.71	
26 24 16 00-0263	EA	125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,127.46	
26 24 16 00-0264	EA	250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,554.10	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	78.58	
26 24 16 00-0265	EA	250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,731.53	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	134.21	
26 24 16 00-0266	EA	250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,884.86	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	171.53	
26 24 16 00-0267	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,875.25	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	78.58	
26 24 16 00-0268	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,974.64	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	134.21	
26 24 16 00-0269	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,144.24	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	171.53	
26 24 16 00-0270	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,250.62	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	78.58	
26 24 16 00-0271	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,412.25	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	134.21	
26 24 16 00-0272	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,633.07	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	171.53	
26 24 16 00-0273		Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0274	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,117.01	
26 24 16 00-0275	EA	100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,183.93	
26 24 16 00-0276	EA	125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,370.37	
26 24 16 00-0277	EA	125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,496.03	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	78.58	
26 24 16 00-0278	EA	125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,742.74	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	134.21	
26 24 16 00-0279	EA	250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,565.68	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	78.58	
26 24 16 00-0280	EA	250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,720.82	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	134.21	
26 24 16 00-0281	EA	250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,920.02	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	171.53	
26 24 16 00-0282	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,038.26	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	78.58	
26 24 16 00-0283	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,243.03	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	134.21	
26 24 16 00-0284	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,429.70	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	171.53	
26 24 16 00-0285		Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0286	EA	125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,664.27	
26 24 16 00-0287	EA	125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,763.02	
26 24 16 00-0288	EA	250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,174.61	
26 24 16 00-0289	EA	250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,461.11	
26 24 16 00-0290	EA	250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,601.90	
26 24 16 00-0291	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,592.29	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0292	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,672.88	
26 24 16 00-0293	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,815.53	
26 24 16 00-0294	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,984.58	
26 24 16 00-0295	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	3,130.84	
26 24 16 00-0296	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	3,318.60	
26 24 16 00-0297		Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards (26 24 16 00-0290)		
26 24 16 00-0298	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,887.95	
26 24 16 00-0299	EA	100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,954.88	
26 24 16 00-0300	EA	125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,996.53	
26 24 16 00-0301	EA	125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	3,116.54	
26 24 16 00-0302	EA	125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	3,472.32	
26 24 16 00-0303	EA	250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	4,282.72	
26 24 16 00-0304	EA	250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	4,419.06	
26 24 16 00-0305	EA	250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	4,591.31	
26 24 16 00-0306	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	4,709.54	
26 24 16 00-0307	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	4,897.08	
26 24 16 00-0308	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	5,081.08	
26 24 16 00-0309		480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards (26 24 16 00-0169) Note: As manufactured by Square D or equal.		
26 24 16 00-0310		Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards (26 24 16 00-0309)		
26 24 16 00-0311	EA	125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard.....	1,071.33	
26 24 16 00-0312	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard.....	1,170.71	
26 24 16 00-0313	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard.....	1,353.80	
		For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0314	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard.....	1,616.81	
		For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0315	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard.....	1,795.61	
		For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0316	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard.....	1,947.73	
		For Door-In-Door (Hinged) Trim Front, Add	171.53	
26 24 16 00-0317	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard.....	1,958.16	
		For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0318	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard.....	2,077.44	
		For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0319	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard.....	2,245.77	
		For Door-In-Door (Hinged) Trim Front, Add	171.53	
26 24 16 00-0320	EA	600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard.....	2,352.38	
		For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0321	EA	600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard.....	2,514.71	
		For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0322	EA	600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard.....	2,736.32	
		For Door-In-Door (Hinged) Trim Front, Add	171.53	
26 24 16 00-0323		Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards (26 24 16 00-0309)		
26 24 16 00-0324	EA	100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard.....	2,336.38	



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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0325	EA	100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,403.93	
26 24 16 00-0326	EA	100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,604.23	
		For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0327	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,671.93	
26 24 16 00-0328	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,798.11	
		For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0329	EA	125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,044.16	
		For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0330	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,919.44	
		For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0331	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,076.45	
		For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0332	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,273.54	
		For Door-In-Door (Hinged) Trim Front, Add	171.53	
26 24 16 00-0333	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,462.14	
		For Door-In-Door (Hinged) Trim Front, Add	78.58	
26 24 16 00-0334	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,668.93	
		For Door-In-Door (Hinged) Trim Front, Add	134.21	
26 24 16 00-0335	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,855.44	
		For Door-In-Door (Hinged) Trim Front, Add	171.53	
26 24 16 00-0336		Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards (26 24 16 00-0309)		
26 24 16 00-0337	EA	125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,706.89	
26 24 16 00-0338	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,806.27	
26 24 16 00-0339	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,979.96	
26 24 16 00-0340	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,237.32	
26 24 16 00-0341	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,525.19	
26 24 16 00-0342	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,664.77	
26 24 16 00-0343	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,677.08	
26 24 16 00-0344	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,775.67	
26 24 16 00-0345	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,917.05	
26 24 16 00-0346	EA	600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,086.34	
26 24 16 00-0347	EA	600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,233.01	
26 24 16 00-0348	EA	600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,420.77	
26 24 16 00-0349		Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards (26 24 16 00-0309)		
26 24 16 00-0350	EA	100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	2,956.90	
26 24 16 00-0351	EA	100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,024.45	
26 24 16 00-0352	EA	100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,333.81	
26 24 16 00-0353	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,298.08	
26 24 16 00-0354	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,418.62	
26 24 16 00-0355	EA	125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,773.74	
26 24 16 00-0356	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	4,636.47	
26 24 16 00-0357	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	4,774.68	
26 24 16 00-0358	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	4,944.83	
26 24 16 00-0359	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,133.42	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0360	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	5,322.66	
26 24 16 00-0361	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	5,506.04	
26 24 16 00-0362		600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards (26 24 16 00-0169) Note: Square D I-Line or equal.		
26 24 16 00-0363		Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards (26 24 16 00-0362)		
26 24 16 00-0364	EA	400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	1,806.76	317.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	190.30	
26 24 16 00-0365	EA	400 Ampere Rating, 45" Breaker Mounted Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,120.96	317.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	190.25	
26 24 16 00-0366	EA	400 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,357.55	317.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	190.25	
26 24 16 00-0367	EA	600 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,674.06	520.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	312.43	
26 24 16 00-0368	EA	600 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,857.18	520.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	312.43	
26 24 16 00-0369	EA	600 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,058.12	520.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	312.43	
26 24 16 00-0370	EA	800 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,291.66	692.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	415.31	
26 24 16 00-0371	EA	800 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,467.66	694.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	416.57	
26 24 16 00-0372	EA	800 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,539.59	692.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	415.31	
26 24 16 00-0373	EA	800 Ampere Rating, 99" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,120.53	692.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	415.31	
26 24 16 00-0374	EA	1,200 Ampere Rating, 27" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,357.04	1,041.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	624.86	
26 24 16 00-0375	EA	1,200 Ampere Rating, 45" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,752.44	1,041.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	624.86	
26 24 16 00-0376	EA	1,200 Ampere Rating, 63" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	6,075.72	1,041.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	624.86	
26 24 16 00-0377	EA	1,200 Ampere Rating, 99" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	6,470.31	1,041.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	624.86	
26 24 16 00-0378		Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards (26 24 16 00-0362)		
26 24 16 00-0379	EA	225 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,519.23	323.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	194.32	
26 24 16 00-0380	EA	400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,625.50	367.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	220.42	
26 24 16 00-0381	EA	400 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,853.99	367.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	220.42	
26 24 16 00-0382	EA	400 Ampere Rating, 81" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,526.49	367.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	220.42	
26 24 16 00-0383	EA	600 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	7,196.15	602.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	361.33	
26 24 16 00-0384	EA	600 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	7,573.68	603.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	362.29	
26 24 16 00-0385	EA	600 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	7,884.85	602.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	361.33	
26 24 16 00-0386	EA	800 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	9,094.35	805.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	483.05	
26 24 16 00-0387	EA	800 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	9,541.57	802.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	481.34	



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		Low-Voltage Electrical Distribution	26 20	
		Switchboards and Panelboards	26 24	

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0388	EA 800 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,987.21 481.34	802.22
26 24 16 00-0389	Residential Lighting And Power Panelboards (26 24 16 00-0001) See CSI section 26 28 16 13-0001 for circuit breakers.		
26 24 16 00-0390	Residential Type Unassembled Load Center (26 24 16 00-0389) Note: Interior box and cover, includes ground bar kit.		
26 24 16 00-0391	Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt (26 24 16 00-0390)		
26 24 16 00-0392	EA 30 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	146.29	53.33
26 24 16 00-0393	EA 70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	485.54	213.33
26 24 16 00-0394	EA 100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	736.50	304.51
26 24 16 00-0395	EA 125 Ampere Rating, 24 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	1,575.90	640.07
26 24 16 00-0396	EA 150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	1,724.40	693.29
26 24 16 00-0397	Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC (26 24 16 00-0390) Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta.		
26 24 16 00-0398	EA 60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	206.06	58.67
26 24 16 00-0399	EA 125 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	374.96	64.00
26 24 16 00-0400	Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof (26 24 16 00-0390)		
26 24 16 00-0401	EA 40 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	209.70	58.67
26 24 16 00-0402	EA 70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	234.10	64.00
26 24 16 00-0403	EA 100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	809.14	304.51
26 24 16 00-0404	EA 150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	1,834.94	693.29
26 24 16 00-0405	Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC (26 24 16 00-0390) Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.		
26 24 16 00-0406	EA 60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	261.33	58.67
26 24 16 00-0407	EA 125 Ampere Rating, 20 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	1,778.18	640.07
26 24 16 00-0408	Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt (26 24 16 00-0390)		
26 24 16 00-0409	EA 125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	1,920.13	640.07
26 24 16 00-0410	EA 150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	2,084.43	693.29
26 24 16 00-0411	EA 300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	7,525.09	1,066.61
26 24 16 00-0412	Main Breaker Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC (26 24 16 00-0390) Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 V Delta.		
26 24 16 00-0413	EA 125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	2,837.25	640.07
26 24 16 00-0414	EA 150 Ampere Rating, 40 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	3,095.50	693.29
26 24 16 00-0415	EA 300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	8,296.77	1,066.61
26 24 16 00-0416	Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof (26 24 16 00-0390)		
26 24 16 00-0417	EA 125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,022.77	640.07
26 24 16 00-0418	EA 150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,259.70	693.29
26 24 16 00-0419	Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC (26 24 16 00-0390) Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.		
26 24 16 00-0420	EA 125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	3,007.48	640.07

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0421	EA	155 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard.....	3,113.98	693.29	
26 24 16 00-0422		Residential Type Assembled Load Center (26 24 16 00-0389)			
26 24 16 00-0423		Main Lug Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase (26 24 16 00-0422)			
		Note: Includes 1 pole plug-in breaker.			
26 24 16 00-0424	EA	100 Ampere Rating, Main Lugs, Indoor 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	736.97	304.51	
26 24 16 00-0425	EA	100 Ampere Rating, Main Lugs, Indoor 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	899.36	355.71	
26 24 16 00-0426	EA	100 Ampere Rating, Main Lugs, Rainproof, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	754.34	304.51	
26 24 16 00-0427	EA	100 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	904.10	355.71	
26 24 16 00-0428	EA	200 Ampere Rating, Main Lugs, Indoor, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,317.76	474.11	
26 24 16 00-0429	EA	200 Ampere Rating, Main Lugs, Indoor, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,553.37	569.04	
26 24 16 00-0430	EA	200 Ampere Rating, Main Lugs, Indoor, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,775.58	656.50	
26 24 16 00-0431	EA	200 Ampere Rating, Main Lugs, Indoor, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,958.26	710.69	
26 24 16 00-0432	EA	200 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	2,930.65	1,066.61	
26 24 16 00-0433	EA	200 Ampere Rating, Main Lugs, Rainproof, 16 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,379.34	474.11	
26 24 16 00-0434	EA	200 Ampere Rating, Main Lugs, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,611.80	569.04	
26 24 16 00-0435	EA	200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,834.00	656.50	
26 24 16 00-0436	EA	200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	2,013.53	710.69	
26 24 16 00-0437	EA	200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	3,112.24	1,066.61	
26 24 16 00-0438	EA	400 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	3,625.58	1,185.11	
26 24 16 00-0439	EA	400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	3,815.07	1,185.11	
26 24 16 00-0440		Main Lug Load Center, 4 Wire, 20 Amperes, 120/208 Volt (26 24 16 00-0422)			
		Note: Includes 1 pole plug-in breaker.			
26 24 16 00-0441	EA	125 Ampere Rating, Main Lugs, Indoor, 12 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	987.79	355.71	
26 24 16 00-0442	EA	125 Ampere Rating, Main Lugs, Indoor, 18 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,472.43	533.30	
26 24 16 00-0443	EA	125 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,039.89	355.71	
26 24 16 00-0444	EA	125 Ampere Rating, Main Lugs, Rainproof, 18 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,519.80	533.30	
26 24 16 00-0445	EA	200 Ampere Rating, Main Lugs, Indoor, 24 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,865.58	656.50	
26 24 16 00-0446	EA	200 Ampere Rating, Main Lugs, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	2,037.97	711.11	
26 24 16 00-0447	EA	200 Ampere Rating, Main Lugs, Indoor, 36 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	2,496.65	853.60	
26 24 16 00-0448	EA	200 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	2,993.81	1,066.61	
26 24 16 00-0449	EA	200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,920.85	656.50	
26 24 16 00-0450	EA	200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	2,100.38	710.69	
26 24 16 00-0451	EA	200 Ampere Rating, Main Lugs, Rainproof, 36 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	2,708.73	852.96	
26 24 16 00-0452	EA	200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	3,206.98	1,066.61	
26 24 16 00-0453	EA	400 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	3,672.96	1,185.11	
26 24 16 00-0454	EA	400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	3,862.44	1,185.11	
26 24 16 00-0455		Main Breaker Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase (26 24 16 00-0422)			
		Note: Includes 1 pole plug-in breaker.			
26 24 16 00-0456	EA	125 Ampere Rating, Main Breaker, Indoor, 12 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	981.47	355.71	
26 24 16 00-0457	EA	125 Ampere Rating, Main Breaker, Indoor, 18 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,450.32	533.30	
26 24 16 00-0458	EA	200 Ampere Rating, Main Breaker, Indoor, 20 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,682.86	569.04	



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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0459	EA	200 Ampere Rating, Main Breaker, Indoor, 24 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,929.39	656.82
26 24 16 00-0460	EA	200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,124.82	711.11
26 24 16 00-0461	EA	200 Ampere Rating, Main Breaker, Indoor, 40 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,812.38	948.21
26 24 16 00-0462	EA	200 Ampere Rating, Main Breaker, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,698.65	569.04
26 24 16 00-0463	EA	200 Ampere Rating, Main Breaker, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,960.33	656.50
26 24 16 00-0464	EA	200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,131.96	710.69
26 24 16 00-0465	EA	200 Ampere Rating, Main Breaker, Rainproof, 40 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,725.53	948.21
26 24 16 00-0466	EA	400 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	5,252.02	1,185.11
26 24 16 00-0467	EA	400 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	5,567.83	1,185.11
26 24 16 00-0468 Main Breaker Load Center, 4 Wire, 20 Amperes, 120/208 Volt (26 24 16 00-0422)				
Note: Includes 1 pole plug-in breaker.				
26 24 16 00-0469	EA	200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,566.96	711.11
26 24 16 00-0470	EA	200 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,499.11	1,066.61
26 24 16 00-0471	EA	200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,660.94	710.69
26 24 16 00-0472	EA	200 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,593.85	1,066.61
26 24 16 00-0473 Panel Mounted Accessories And Fuseholders (26 24 16 00-0001)				
26 24 16 00-0474 Midget Finger-Safe Fuse Holders (26 24 16 00-0473)				
Note: 30 Amp capacity. Excludes fuse.				
26 24 16 00-0475	EA	1 Pole Midget Finger-Safe Fuse Holder	61.39	19.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			12.80	
26 24 16 00-0476	EA	1 Pole With Indicator Midget Finger-Safe Fuse Holder	70.25	19.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			12.80	
26 24 16 00-0477	EA	2 Pole Midget Finger-Safe Fuse Holder	97.71	28.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			19.20	
26 24 16 00-0478	EA	2 Pole With Indicators Midget Finger-Safe Fuse Holder	120.85	28.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			19.20	
26 24 16 00-0479	EA	3 Pole Midget Finger-Safe Fuse Holder	141.20	38.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			25.60	
26 24 16 00-0480	EA	3 Pole With Indicators Midget Finger-Safe Fuse Holder	171.93	38.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			25.60	
26 24 16 00-0481	EA	3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	197.65	38.40
Note: With indicators.				
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			25.60	
26 24 16 00-0482	EA	3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	163.56	38.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			25.60	
26 24 16 00-0483	EA	4 Pole Midget Finger-Safe Fuse Holder	177.62	48.00
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			32.00	
26 24 16 00-0484	EA	4 Pole With Indicator Midget Finger-Safe Fuse Holder	211.38	48.00
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			32.00	
26 24 16 00-0485	EA	12 To 24 Volt DC Midget Finger-Safe Fuse Holder	70.28	19.20
Note: With indicator.				
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			12.80	
26 24 16 00-0486	EA	20 To 24 Volt DC Midget Finger-Safe Fuse Holder	74.99	19.20
Note: With indicator.				
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			12.80	
26 24 16 00-0487	EA	35 To 48 Volt DC Midget Finger-Safe Fuse Holder	71.15	19.20
Note: With indicator.				
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			12.80	
26 24 16 00-0488 Removal And Reinstallation Of Panelboards (26 24 16 00-0001)				
Note: Includes storage, cleaning and supply materials.				
26 24 16 00-0489	EA	Removal And Reinstallation Of Up To 42 Circuit Capacity Panelboards With Breakers	1,339.63	
Note: Includes removal and reinstallation of main wiring to panelboard.				
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			399.98	
26 24 16 00-0490	EA	Removal And Reinstallation Of Breaker, 1-2-3 Pole, Any Amperage	71.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			20.80	
26 24 16 00-0491	EA	Panelboard Filler Plate, Fits 1" Opening	5.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			1.00	
26 24 19 Motor-Control Centers (26 24)				
26 24 19 00-0001 Combination Starters With Molded Case Circuit Breakers (26 24 19)				
Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.				

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0002		230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001) Note: 1-Speed non-reversing.		
26 24 19 00-0003	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit	2,312.62	97.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.46	
26 24 19 00-0004	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit	2,741.04	102.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.39	
26 24 19 00-0005	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit	4,086.56	107.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.31	
26 24 19 00-0006	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	7,419.57	126.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.00	
26 24 19 00-0007	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit	14,961.49	146.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	87.70	
26 24 19 00-0008	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit	25,180.25	194.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	116.93	
26 24 19 00-0009		480 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001) Note: 1-Speed non-reversing.		
26 24 19 00-0010	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit	2,312.62	97.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.46	
26 24 19 00-0011	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit	2,741.04	102.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.39	
26 24 19 00-0012	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	4,086.56	107.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.31	
26 24 19 00-0013	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit	7,419.57	126.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.00	
26 24 19 00-0014	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit	14,961.49	146.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	87.70	
26 24 19 00-0015	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit	25,180.25	194.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	116.93	
26 24 19 00-0016		230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001) Note: 1-Speed reversing.		
26 24 19 00-0017	EA	230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit	3,358.20	97.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.46	
26 24 19 00-0018	EA	230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit	4,479.99	102.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.39	
26 24 19 00-0019	EA	230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit	6,428.04	107.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.31	
26 24 19 00-0020	EA	230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit	11,256.33	126.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.00	
26 24 19 00-0021	EA	230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit	22,172.02	146.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	87.70	
26 24 19 00-0022	EA	230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit	38,219.02	194.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	116.93	
26 24 19 00-0023		480 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001) Note: 1-Speed reversing.		
26 24 19 00-0024	EA	480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit	3,358.20	97.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.46	
26 24 19 00-0025	EA	480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit	4,479.99	102.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.39	
26 24 19 00-0026	EA	480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit	6,428.04	107.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.31	
26 24 19 00-0027	EA	480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit	11,256.33	126.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.00	
26 24 19 00-0028	EA	480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit	22,172.02	146.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	87.70	
26 24 19 00-0029	EA	480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit	38,219.02	194.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	116.93	
26 24 19 00-0030		230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001) Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0031	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit	4,079.87	155.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	93.54	
26 24 19 00-0032	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit	5,619.01	165.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	99.39	
26 24 19 00-0033	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit	8,283.45	175.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.23	
26 24 19 00-0034	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	14,820.56	199.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	119.85	
26 24 19 00-0035	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	24,567.07	233.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	140.32	
26 24 19 00-0036		480 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001) Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0037	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit	4,079.87	155.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	93.54	



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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0038	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,619.01 99.39	165.65
26 24 19 00-0039	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,283.45 105.23	175.39
26 24 19 00-0040	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,820.56 119.85	199.75
26 24 19 00-0041	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,567.07 140.32	233.85
26 24 19 00-0042 230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)				
Note: 2-Speed non-reversing, 2 wind.				
26 24 19 00-0043	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,724.99 58.46	97.44
26 24 19 00-0044	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,038.57 61.39	102.32
26 24 19 00-0045	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,640.11 64.31	107.18
26 24 19 00-0046	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,121.28 76.00	126.67
26 24 19 00-0047	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,407.27 87.70	146.16
26 24 19 00-0048 480 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)				
Note: 2-Speed non-reversing, 1 wind.				
26 24 19 00-0049	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,724.99 58.46	97.44
26 24 19 00-0050	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,038.57 61.39	102.32
26 24 19 00-0051	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,640.11 64.31	107.18
26 24 19 00-0052	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,121.28 76.00	126.67
26 24 19 00-0053	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,407.27 87.70	146.16
26 24 19 00-0054 230 Volt Combination With Molded Case Circuit (26 24 19 00-0001)				
Note: Reducing volt, auto-transformer.				
26 24 19 00-0055	EA	230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,994.26 93.54	102.32
26 24 19 00-0056	EA	230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,715.38 108.15	112.05
26 24 19 00-0057	EA	230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,070.33 119.85	126.67
26 24 19 00-0058	EA	230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,960.39 187.09	146.16
26 24 19 00-0059	EA	230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47,841.92 187.09	194.87
26 24 19 00-0060 480 Volt Combination With Molded Case Circuit (26 24 19 00-0001)				
Note: Reducing volt, auto-transformer.				
26 24 19 00-0061	EA	480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,994.26 93.54	102.32
26 24 19 00-0062	EA	480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,715.38 108.15	112.05
26 24 19 00-0063	EA	480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,070.33 119.85	126.67
26 24 19 00-0064	EA	480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,960.39 187.09	146.16
26 24 19 00-0065	EA	480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47,841.92 187.09	194.87
26 24 19 00-0066 230 Volt Combination With Molded Case Circuit (26 24 19 00-0001)				
Note: Reducing volt, part winding.				
26 24 19 00-0067	EA	230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,764.38 93.54	155.90
26 24 19 00-0068	EA	230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,157.73 108.15	180.26
26 24 19 00-0069	EA	230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,844.24 119.85	199.75
26 24 19 00-0070	EA	230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,496.92 146.16	243.59
26 24 19 00-0071	EA	230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,414.13 187.09	311.80
26 24 19 00-0072 480 Volt Combination With Molded Case Circuit (26 24 19 00-0001)				
Note: Reducing volt, part winding.				
26 24 19 00-0073	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,764.38 93.54	155.90
26 24 19 00-0074	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,157.73 108.15	180.26
26 24 19 00-0075	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,844.24 119.85	199.75
26 24 19 00-0076	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,496.92 146.16	243.59
26 24 19 00-0077	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,414.13 187.09	311.80

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0078		230 Volt Combination With Molded Case Circuit (26 24 19 00-0001) Note: Reducing volt, energy saver.		
26 24 19 00-0079	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit.....	19,760.55	126.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.00	
26 24 19 00-0080	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit.....	20,959.83	155.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	93.54	
26 24 19 00-0081	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit.....	23,144.02	180.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	108.15	
26 24 19 00-0082	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit.....	35,052.14	199.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	119.85	
26 24 19 00-0083	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit.....	47,808.68	243.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	146.16	
26 24 19 00-0084	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit.....	64,882.66	311.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	187.09	
26 24 19 00-0085		480 Volt Combination With Molded Case Circuit (26 24 19 00-0001) Note: Reducing volt, energy saver.		
26 24 19 00-0086	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit.....	19,760.55	126.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.00	
26 24 19 00-0087	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit.....	20,959.83	155.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	93.54	
26 24 19 00-0088	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit.....	23,144.02	180.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	108.15	
26 24 19 00-0089	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit.....	35,052.14	199.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	119.85	
26 24 19 00-0090	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit.....	47,808.68	243.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	146.16	
26 24 19 00-0091	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit.....	64,882.66	311.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	187.09	
26 24 19 00-0092		Combination Starters With Current Limiting Circuit Breakers (26 24 19) Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.		
26 24 19 00-0093		230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0094	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit.....	3,099.02	97.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.46	
26 24 19 00-0095	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit.....	3,527.45	102.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.39	
26 24 19 00-0096	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit.....	5,462.21	107.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.31	
26 24 19 00-0097	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	10,075.61	126.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.00	
26 24 19 00-0098	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	18,049.50	146.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	87.70	
26 24 19 00-0099	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit.....	29,426.82	194.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	116.93	
26 24 19 00-0100		480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0101	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit.....	3,099.02	97.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.46	
26 24 19 00-0102	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit.....	3,527.45	102.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.39	
26 24 19 00-0103	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	5,462.21	107.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.31	
26 24 19 00-0104	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	10,075.61	126.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.00	
26 24 19 00-0105	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit.....	18,049.50	146.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	87.70	
26 24 19 00-0106	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit.....	29,426.82	194.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	116.93	
26 24 19 00-0107		230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 1-speed reversing.		
26 24 19 00-0108	EA	230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit.....	4,137.96	97.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.46	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0109 EA 230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit.....	5,250.89	102.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.39	
26 24 19 00-0110 EA 230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit.....	7,772.68	107.18
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.31	
26 24 19 00-0111 EA 230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	13,876.93	126.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.00	
26 24 19 00-0112 EA 230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	25,198.01	146.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	87.70	
26 24 19 00-0113 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
Note: Full volt, 1-speed reversing.		
26 24 19 00-0114 EA 480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit.....	4,137.96	97.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.46	
26 24 19 00-0115 EA 480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit.....	5,250.89	102.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.39	
26 24 19 00-0116 EA 480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	7,772.68	107.18
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.31	
26 24 19 00-0117 EA 480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	13,876.93	126.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.00	
26 24 19 00-0118 EA 480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit.....	25,198.01	146.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	87.70	
26 24 19 00-0119 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0120 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit.....	4,846.34	155.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	93.54	
26 24 19 00-0121 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit.....	6,374.40	165.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	99.39	
26 24 19 00-0122 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit.....	9,605.94	175.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.23	
26 24 19 00-0123 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit.....	17,410.15	199.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	119.85	
26 24 19 00-0124 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit.....	27,568.69	233.85
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	140.32	
26 24 19 00-0125 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0126 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit.....	4,846.34	155.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	93.54	
26 24 19 00-0127 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit.....	6,374.40	165.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	99.39	
26 24 19 00-0128 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit.....	9,605.94	175.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.23	
26 24 19 00-0129 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit.....	17,410.15	199.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	119.85	
26 24 19 00-0130 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit.....	27,568.69	233.85
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	140.32	
26 24 19 00-0131 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0132 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit.....	5,588.91	146.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	87.70	
26 24 19 00-0133 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit.....	7,887.83	155.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	93.54	
26 24 19 00-0134 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit.....	11,072.88	165.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	99.39	
26 24 19 00-0135 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit.....	20,806.52	190.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	114.00	
26 24 19 00-0136 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit.....	34,504.98	224.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	134.47	
26 24 19 00-0137 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
Note: Full volt, 2-speed non-reversing, 1 wind.		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0138	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit.....	5,588.91	146.16
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.70	
26 24 19 00-0139	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit.....	7,887.83	155.90
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.54	
26 24 19 00-0140	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit.....	11,072.88	165.65
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.39	
26 24 19 00-0141	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit.....	20,806.52	190.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.00	
26 24 19 00-0142	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit.....	34,504.98	224.11
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134.47	
26 24 19 00-0143		230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, auto-transformer.		
26 24 19 00-0144	EA	230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit.....	7,738.57	102.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.39	
26 24 19 00-0145	EA	230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit.....	12,469.83	112.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.23	
26 24 19 00-0146	EA	230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit.....	21,085.25	126.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.00	
26 24 19 00-0147	EA	230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit.....	31,949.99	146.16
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.70	
26 24 19 00-0148	EA	230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit.....	52,575.84	194.87
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	116.93	
26 24 19 00-0149		480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, auto-transformer.		
26 24 19 00-0150	EA	480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit.....	7,738.57	102.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.39	
26 24 19 00-0151	EA	480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit.....	12,469.83	112.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.23	
26 24 19 00-0152	EA	480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit.....	21,085.25	126.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.00	
26 24 19 00-0153	EA	480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit.....	31,949.99	146.16
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.70	
26 24 19 00-0154	EA	480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit.....	52,575.84	194.87
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	116.93	
26 24 19 00-0155		230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, part winding.		
26 24 19 00-0156	EA	230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit.....	5,530.84	155.90
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.54	
26 24 19 00-0157	EA	230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit.....	6,908.69	180.26
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.15	
26 24 19 00-0158	EA	230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit.....	12,157.86	199.75
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	119.85	
26 24 19 00-0159	EA	230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit.....	21,549.49	243.59
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	146.16	
26 24 19 00-0160	EA	230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit.....	31,798.39	311.80
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	187.09	
26 24 19 00-0161		480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, part winding.		
26 24 19 00-0162	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit.....	5,530.84	155.90
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.54	
26 24 19 00-0163	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit.....	6,908.69	180.26
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.15	
26 24 19 00-0164	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit.....	12,157.86	199.75
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	119.85	
26 24 19 00-0165	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit.....	21,549.49	243.59
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	146.16	
26 24 19 00-0166	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit.....	31,798.39	311.80
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	187.09	
26 24 19 00-0167		230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, energy saving		
26 24 19 00-0168	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit.....	20,396.31	126.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.00	
26 24 19 00-0169	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit.....	21,588.95	155.90
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.54	
26 24 19 00-0170	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit.....	23,750.99	180.26
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.15	



Electrical			26
Low-Voltage Electrical Distribution			26 20
Switchboards and Panelboards			26 24

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0171	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit	35,554.99	199.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	119.85	
26 24 19 00-0172	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit	48,198.56	243.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	146.16	
26 24 19 00-0173	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit	67,556.43	311.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	187.09	
26 24 19 00-0174 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)				
		Note: Reduced volt, energy saving		
26 24 19 00-0175	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit	20,396.35	126.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.01	
26 24 19 00-0176	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit	21,588.95	155.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	93.54	
26 24 19 00-0177	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit	23,750.99	180.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	108.15	
26 24 19 00-0178	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit	35,554.99	199.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	119.85	
26 24 19 00-0179	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit	48,198.56	243.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	146.16	
26 24 19 00-0180	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit	67,556.43	311.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	187.09	
26 24 19 00-0181 Combination Starters With Fusible Switch (26 24 19)				
		Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.		
26 24 19 00-0182 230 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)				
		Note: 1-Speed non-reversing.		
26 24 19 00-0183	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	2,055.65	97.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.46	
26 24 19 00-0184	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	2,840.73	102.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.39	
26 24 19 00-0185	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	4,799.86	107.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.31	
26 24 19 00-0186	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	8,476.23	126.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.00	
26 24 19 00-0187	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	13,769.70	146.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	87.70	
26 24 19 00-0188	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	24,571.06	194.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	116.93	
26 24 19 00-0189 480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)				
		Note: 1-Speed non-reversing.		
26 24 19 00-0190	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	2,055.65	97.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.46	
26 24 19 00-0191	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	2,840.73	102.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.39	
26 24 19 00-0192	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	4,799.86	107.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.31	
26 24 19 00-0193	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	8,476.23	126.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.00	
26 24 19 00-0194	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	13,769.70	146.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	87.70	
26 24 19 00-0195	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	24,571.06	194.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	116.93	
26 24 19 00-0196 230 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)				
		Note: 1-Speed reversing.		
26 24 19 00-0197	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	3,329.40	97.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.46	
26 24 19 00-0198	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	4,967.34	102.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.39	
26 24 19 00-0199	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	7,956.55	107.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.31	
26 24 19 00-0200	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	12,975.33	126.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.00	
26 24 19 00-0201	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	19,970.10	146.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	87.70	
26 24 19 00-0202	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	33,954.73	194.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	116.93	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0203	480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)			
	Note: 1-Speed reversing.			
26 24 19 00-0204	EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	3,329.40	97.44	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.46		
26 24 19 00-0205	EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	4,967.34	102.32	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.39		
26 24 19 00-0206	EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	7,956.55	107.18	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.31		
26 24 19 00-0207	EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	12,975.33	126.67	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.00		
26 24 19 00-0208	EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	19,970.10	146.16	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	87.70		
26 24 19 00-0209	EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	33,954.73	194.87	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	116.93		
26 24 19 00-0210	230 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)			
	Note: 2-Speed non-reversing, 2 wind.			
26 24 19 00-0211	EA 10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	3,893.80	155.90	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	93.54		
26 24 19 00-0212	EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	5,362.05	165.65	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	99.39		
26 24 19 00-0213	EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	8,449.60	175.39	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.23		
26 24 19 00-0214	EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	15,108.53	199.75	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	119.85		
26 24 19 00-0215	EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	24,081.94	233.85	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	140.32		
26 24 19 00-0216	480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)			
	Note: 2-Speed non-reversing, 2 wind.			
26 24 19 00-0217	EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	3,893.80	155.90	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	93.54		
26 24 19 00-0218	EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	5,362.05	165.65	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	99.39		
26 24 19 00-0219	EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	8,449.60	175.39	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.23		
26 24 19 00-0220	EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	15,108.53	199.75	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	119.85		
26 24 19 00-0221	EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	24,081.94	233.85	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	140.32		
26 24 19 00-0222	230 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)			
	Note: 2-Speed non-reversing, 1 wind.			
26 24 19 00-0223	EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	4,454.73	97.44	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.46		
26 24 19 00-0224	EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	6,799.32	102.32	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.39		
26 24 19 00-0225	EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	9,795.18	107.18	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.31		
26 24 19 00-0226	EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	19,756.12	126.67	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.00		
26 24 19 00-0227	480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)			
	Note: 2-Speed non-reversing, 1 wind.			
26 24 19 00-0228	EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	4,454.73	97.44	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.46		
26 24 19 00-0229	EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	6,799.32	102.32	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.39		
26 24 19 00-0230	EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	9,795.18	107.18	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.31		
26 24 19 00-0231	EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	19,756.12	126.67	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.00		
26 24 19 00-0232	230 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181)			
	Note: Auto-transformer.			
26 24 19 00-0233	EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	6,752.80	102.32	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.39		
26 24 19 00-0234	EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	11,931.53	112.05	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.23		
26 24 19 00-0235	EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	19,886.81	126.67	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.00		
26 24 19 00-0236	EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	26,555.94	146.16	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	87.70		
26 24 19 00-0237	EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	44,621.00	194.87	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	116.93		



Electrical		26
Low-Voltage Electrical Distribution		26 20
Switchboards and Panelboards		26 24

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0238 480 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Auto-transformer.		
26 24 19 00-0239 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	6,752.80	102.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.39	
26 24 19 00-0240 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	11,931.53	112.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.23	
26 24 19 00-0241 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	19,886.81	126.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.00	
26 24 19 00-0242 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	26,555.94	146.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	87.70	
26 24 19 00-0243 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	44,621.00	194.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	116.93	
26 24 19 00-0244 230 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Part winding.		
26 24 19 00-0245 EA 10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	4,793.17	155.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	93.54	
26 24 19 00-0246 EA 25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	6,348.24	180.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	108.15	
26 24 19 00-0247 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	10,117.65	199.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	119.85	
26 24 19 00-0248 EA 75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	20,187.13	243.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	146.16	
26 24 19 00-0249 480 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Part winding.		
26 24 19 00-0250 EA 15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	4,793.17	155.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	93.54	
26 24 19 00-0251 EA 40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	6,348.24	180.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	108.15	
26 24 19 00-0252 EA 75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	10,117.65	199.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	119.85	
26 24 19 00-0253 EA 150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	20,187.13	243.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	146.16	
26 24 19 00-0254 230 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Energy saver.		
26 24 19 00-0255 EA 7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	19,758.33	126.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.00	
26 24 19 00-0256 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	20,959.83	155.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	93.54	
26 24 19 00-0257 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	23,144.02	180.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	108.15	
26 24 19 00-0258 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	35,052.14	199.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	119.85	
26 24 19 00-0259 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	47,808.68	243.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	146.16	
26 24 19 00-0260 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	64,882.66	311.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	187.09	
26 24 19 00-0261 480 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Energy saver.		
26 24 19 00-0262 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	19,758.33	126.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.00	
26 24 19 00-0263 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	20,959.83	155.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	93.54	
26 24 19 00-0264 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	23,144.02	180.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	108.15	
26 24 19 00-0265 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	35,052.14	199.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	119.85	
26 24 19 00-0266 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	47,808.68	243.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	146.16	
26 24 19 00-0267 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	64,882.66	311.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	187.09	
26 24 19 00-0268 Starter Accessories (26 24 19) Note: Additional options or accessories for the Combination Starters		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 24 19 00-0269 Starter Modifications (26 24 19 00-0268)	
26 24 19 00-0270 EA	Size 1, 2, 50 VA, 60 Hertz, Standard Control Circuit Transformer .....120.08
26 24 19 00-0271 EA	Size 3, 4, 150 VA, 60 Hertz, Standard Control Circuit Transformer .....345.57
26 24 19 00-0272 EA	Size 5, 6, 50 VA, 60 Hertz, Control Circuit Transformer .....493.99
26 24 19 00-0273 EA	Extra 50 VA, 60 Hertz, Control Circuit Transformer, All Sizes .....124.05
26 24 19 00-0274 EA	Extra 100 VA, 60 Hertz, Control Circuit Transformer, All Sizes .....175.00
26 24 19 00-0275 EA	Extra 150 VA, 60 Hertz, Control Circuit Transformer, All Sizes .....294.62
26 24 19 00-0276 EA	Overload Relay Heater Elements, 3 Per Starter .....73.10
26 24 19 00-0277 EA	N.O. Overload Relay Alarm .....62.03
26 24 19 00-0278 EA	Control Circuit Fuses, Primary/Secondary .....102.91
26 24 19 00-0279 EA	Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton .....127.23
26 24 19 00-0280 EA	Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton .....248.86
26 24 19 00-0281 EA	Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select .....127.23
26 24 19 00-0282 EA	Control Devices Type PB2 Mount On Device, Individual Light Full V .....145.95
26 24 19 00-0283 EA	Control Devices Type PB2 Mount On Device, Individual Light Transformer .....175.88
26 24 19 00-0284 EA	Control Devices Type PB2 Mount On Device, Individual Light Push To .....207.69
26 24 19 00-0285 EA	Blank Devices Panel .....39.29
26 24 19 00-0286 EA	Oversize Or Special Color Starter .....61.75
26 24 19 00-0287 EA	Mini Voltmeter/Ammeter With Current Transformer .....543.78
26 24 19 00-0288 EA	Mini Elapsed Time Meters, Non Resettable .....493.26
26 24 19 00-0289 EA	Panel Elapsed Time Meter, Resettable .....729.73
26 24 19 00-0290 EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Press .....61.75
26 24 19 00-0291 EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw .....87.94
26 24 19 00-0292 EA	Terminal Blocks, Front Mounted, Press Connection, Standard .....61.75
26 24 19 00-0293 EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In .....87.94
26 24 19 00-0294 EA	Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility .....87.94
26 24 19 00-0295 EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type .....127.23
26 24 19 00-0296 EA	MOR - A Solid State Modular Overload Relay .....316.21
26 24 19 00-0297 EA	Heater Module .....50.80
26 24 19 00-0298 EA	LAM - Long Acceleration Module .....315.60
26 24 19 00-0299 EA	JAM - Jam Protection Module .....361.78
26 24 19 00-0300 EA	PUM - Phase Unbalance Module .....686.62
26 24 19 00-0301 EA	ULM - Underload Module .....329.45
26 24 19 00-0302 EA	Wiring To Common Control Circuit Transformer .....72.36
26 24 19 00-0303 EA	Handle Operator Separable Source Control Circuit .....135.48
26 24 19 00-0304 EA	Type SIS Control Wire .....56.96
26 24 19 00-0305 EA	Ring Or Spade Terminals Control .....72.36
26 24 19 00-0306 EA	Ring Terminals Power .....72.36
26 24 19 00-0307 EA	14 Gauge Control Wire .....56.96
26 24 19 00-0308 EA	Wiremakers .....72.36
26 24 19 00-0309 EA	Wiring Diagram On Door .....43.11
26 24 19 00-0310 EA	Special Color Or Type Control Wire .....52.34
26 24 19 00-0311 EA	Current Transformer 12.5 VA .....411.05
26 24 19 00-0312 EA	Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4 .....1,313.20
26 24 19 00-0313 EA	Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6 .....1,477.93

26 24 19 00-0314 Control Relays And Special Components (26 24 19 00-0268)	
26 24 19 00-0315 EA	600 Volt, 2 Pole, Control Relays .....457.29
26 24 19 00-0316 EA	600 Volt, 4 Pole, Control Relays .....541.50
26 24 19 00-0317 EA	600 Volt, 6 Pole, Control Relays .....635.46
26 24 19 00-0318 EA	600 Volt, 8 Pole, Control Relays .....707.90
26 24 19 00-0319 EA	Pneumatic Timer, Control Relays .....604.58
26 24 19 00-0320 EA	Motor Driven Timer, Control Relays .....1,575.44
26 24 19 00-0321 EA	7 Days Time Switch, Control Relays .....1,982.91
26 24 19 00-0322 EA	24 Hour Time Switch, Control Relays .....556.04
26 24 19 00-0323 EA	Phase Voltage, Control Relays .....945.85
26 24 19 00-0324 EA	Two Circuit Alternator, Control Relays .....1,323.90
26 24 19 00-0325 EA	Manual 120 Volt, Control Relays .....129.45
26 24 19 00-0326 EA	Over-Current Relay, Control Relays .....2,937.38
26 24 19 00-0327 EA	UV-Relay, Control Relays .....2,487.85
26 24 19 00-0328 EA	Over-Current Relay, Control Relays .....2,487.85
26 24 19 00-0329 EA	Teleductor, Control Relays .....975.27
26 24 19 00-0330 EA	Current Transducer, Control Relays .....2,622.79
26 24 19 00-0331 EA	Watt Transducer, Control Relays .....5,245.58
26 24 19 00-0332 EA	Control Relays, Blank, Add For Each 1x .....177.99
26 24 19 00-0333 EA	Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway .....266.25
26 24 19 00-0334 EA	Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway .....300.08
26 24 19 00-0335 EA	Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway .....333.92
26 24 19 00-0336 EA	Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway .....300.08
26 24 19 00-0337 EA	Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway .....333.92
26 24 19 00-0338 EA	Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway .....351.57

26 24 19 00-0339 Circuit Breaker Modifications/Accessories (26 24 19 00-0268)	
26 24 19 00-0340 EA	Shunt Trip, Circuit Breaker .....262.97
26 24 19 00-0341 EA	Auxiliary Switch, Circuit Breaker .....90.83
26 24 19 00-0342 EA	Key Interlock, Circuit Breaker .....326.70
26 24 19 00-0343 EA	GFR Ground Fault, Circuit Breaker .....1,506.04
26 24 19 00-0344 EA	Seltronic Breaker, Circuit Breaker872.42



Electrical		26	26
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0345 Incoming Line And Feeder Circuit Breakers (26 24 19 00-0268)		
26 24 19 00-0346 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100.....	1,327.90	63.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.00	
26 24 19 00-0347 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150.....	2,299.85	97.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.46	
26 24 19 00-0348 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100.....	2,216.67	63.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.00	
26 24 19 00-0349 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150.....	3,186.75	97.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.46	
26 24 19 00-0350 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150.....	4,092.36	97.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.46	
26 24 19 00-0351 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250.....	2,530.50	126.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.01	
26 24 19 00-0352 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400.....	4,103.01	136.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	81.86	
26 24 19 00-0353 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600.....	5,411.94	175.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.19	
26 24 19 00-0354 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800.....	6,368.29	267.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	160.83	
26 24 19 00-0355 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200.....	9,019.75	404.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	242.82	
26 24 19 00-0356 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000.....	19,761.25	535.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	321.27	
26 24 19 00-0357 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500.....	29,523.92	672.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	403.02	
26 24 19 00-0358 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000.....	49,245.16	779.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	468.11	
26 24 19 00-0359 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50.....	1,595.47	63.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.00	
26 24 19 00-0360 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150.....	2,559.93	97.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.46	
26 24 19 00-0361 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50.....	1,595.47	63.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.00	
26 24 19 00-0362 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50.....	2,559.93	97.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.46	
26 24 19 00-0363 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150.....	2,712.51	63.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.00	
26 24 19 00-0364 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150.....	3,714.40	97.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.46	
26 24 19 00-0365 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50.....	4,608.78	97.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.46	
26 24 19 00-0366 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100.....	2,430.83	97.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.46	
26 24 19 00-0367 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400.....	6,158.73	267.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	160.83	
26 24 19 00-0368 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225.....	6,158.73	267.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	160.83	
26 24 19 00-0369 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400.....	8,293.28	292.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	175.31	
26 24 19 00-0370 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600.....	10,355.33	341.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	204.53	
26 24 19 00-0371 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800.....	11,916.20	404.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	242.82	
26 24 19 00-0372 Incoming Line And Feeder Fusible Switches (26 24 19 00-0268)		
26 24 19 00-0373 EA 30 To 60 Amperes, Incoming Line And Feeder Fusible Switches.....	1,281.76	97.44
26 24 19 00-0374 EA Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual.....	1,957.61	97.44
26 24 19 00-0375 EA 100 Amperes, Incoming Line And Feeder Fusible Switches.....	2,298.05	121.80
26 24 19 00-0376 EA 200 Amperes, Incoming Line And Feeder Fusible Switches.....	3,733.31	146.16
26 24 19 00-0377 EA 400 Amperes, Incoming Line And Feeder Fusible Switches.....	7,351.41	185.13
26 24 19 00-0378 EA 600 Amperes, Incoming Line And Feeder Fusible Switches.....	10,310.44	243.59
26 24 19 00-0379 EA 800 Amperes, Incoming Line And Feeder Fusible Switches.....	25,057.06	326.42
26 24 19 00-0380 EA 1,200 Amperes, Incoming Line And Feeder Fusible Switches.....	28,276.67	453.09
26 24 19 00-0381 Dry Type Distribution Transformers (26 24 19 00-0268)		
26 24 19 00-0382 EA 500 VA, Phase 1, Dry Type Distribution Transformers.....	1,276.09	
26 24 19 00-0383 EA 750 VA, Phase 1, Dry Type Distribution Transformers.....	1,317.25	
26 24 19 00-0384 EA 1,000 VA, Phase 1, Dry Type Distribution Transformers.....	1,360.28	
26 24 19 00-0385 EA 1,500 VA, Phase 1, Dry Type Distribution Transformers.....	1,560.49	
26 24 19 00-0386 EA 2,000 VA, Phase 1, Dry Type Distribution Transformers.....	1,691.47	
26 24 19 00-0387 EA 3,000 VA, Phase 1, Dry Type Distribution Transformers.....	1,651.89	
26 24 19 00-0388 EA 5,000 VA, Phase 1, Dry Type Distribution Transformers.....	2,301.44	
26 24 19 00-0389 EA 7,500 VA, Phase 1, Dry Type Distribution Transformers.....	2,593.34	
26 24 19 00-0390 EA 9,000 VA, Phase 3, Dry Type Distribution Transformers.....	6,028.66	
26 24 19 00-0391 EA 10,000 VA, Phase 1, Dry Type Distribution Transformers.....	3,199.57	
26 24 19 00-0392 EA 15,000 VA, Phase 1, Dry Type Distribution Transformers.....	4,432.62	
26 24 19 00-0393 EA 15,000 VA, Phase 3, Dry Type Distribution Transformers.....	6,908.08	
26 24 19 00-0394 EA 20,000 VA, Phase 1, Dry Type Distribution Transformers.....	6,397.27	
26 24 19 00-0395 EA 30,000 VA, Phase 1, Dry Type Distribution Transformers.....	8,865.24	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0396 EA 30,000 VA, Phase 3, Dry Type Distribution Transformers.....	7,897.68	
26 24 19 00-0397 EA 45,000 VA, Phase 1, Dry Type Distribution Transformers.....	10,939.74	
26 24 19 00-0398 Metering Equipment (26 24 19 00-0268)		
26 24 19 00-0399 EA Metering Equipment, Voltmeter, Panel Type.....	602.49	
26 24 19 00-0400 EA Metering Equipment, Voltmeter, Switchboard Type.....	1,317.25	
26 24 19 00-0401 EA Metering Equipment, Ammeter, Panel.....	542.62	
26 24 19 00-0402 EA Metering Equipment, Ammeter, Switchboard Type.....	1,317.25	
26 24 19 00-0403 EA Metering Equipment, Voltmeter/Ammeter, Switch.....	731.60	
26 24 19 00-0404 EA Metering Equipment, Control Switch, 4 Circuits.....	776.50	
26 24 19 00-0405 EA Add For Additional Circuits.....	84.67	
26 24 19 00-0406 EA Metering Equipment, Indicating Wattmeter.....	2,716.83	
26 24 19 00-0407 EA Metering Equipment, Indicating Power Factor.....	2,845.93	
26 24 19 00-0408 EA Metering Equipment, Integrating Watt-hour.....	2,509.14	
26 24 19 00-0409 EA Add For Demand Attachment.....	554.22	
26 24 19 00-0410 EA 800 Amperes, Metering Equipment, Current Transformer.....	750.31	
26 24 19 00-0411 EA 1,000 Amperes, Metering Equipment, Current Transformer.....	1,294.80	
26 24 19 00-0412 EA 2,000 Amperes, Metering Equipment, Current Transformer.....	1,508.10	
26 24 19 00-0413 EA Metering Equipment, Potential Transformer.....	1,257.37	
26 24 19 00-0414 EA Metering Equipment, Surge Arrester.....	1,352.80	
26 24 19 00-0415 EA Metering Equipment, Ground Detector System.....	1,034.71	
26 24 19 00-0416 Current Limiting Reactors (26 24 19 00-0268)		
26 24 19 00-0417 EA 600 Amperes, Current Limiting Reactors.....	23,094.90	
26 24 19 00-0418 EA 800 Amperes, Current Limiting Reactors.....	33,632.90	
26 24 19 00-0419 EA 1,000 Amperes, Current Limiting Reactors.....	44,195.22	
26 24 19 00-0420 EA 1,200 Amperes, Current Limiting Reactors.....	67,273.28	
26 24 19 00-0421 Incoming Line Cable Space Requirements, Main Lugs Only (26 24 19 00-0268)		
26 24 19 00-0422 EA Incoming Line Cable Space Requirement, 350 MCC, 2 Screw.....	480.70	
26 24 19 00-0423 EA Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp.....	480.70	
26 24 19 00-0424 EA Incoming Line Cable Space Requirement, 350 MCC, 4 Screw.....	664.57	
26 24 19 00-0425 EA Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp.....	1,216.16	
26 24 19 00-0426 EA Incoming Line Cable Space Requirement, 600 MCC, 2 Screw.....	664.57	
26 24 19 00-0427 EA Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp.....	848.43	
26 24 19 00-0428 EA Incoming Line Cable Space Requirement, 600 MCC, 4 Screw.....	848.43	
26 24 19 00-0429 EA Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp.....	1,213.94	
26 24 19 00-0430 EA Incoming Line Cable Space Requirement, 750 MCC, 2 Screw.....	848.43	
26 24 19 00-0431 EA Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp.....	1,213.94	
26 24 19 00-0432 EA Incoming Line Cable Space Requirement, 750 MCC, 4 Screw.....	1,032.29	
26 24 19 00-0433 EA Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp.....	3,347.19	
26 24 19 00-0434 EA Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw.....	1,032.29	
26 24 19 00-0435 EA Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp.....	1,213.94	
26 24 19 00-0436 EA Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw.....	3,347.19	
26 24 19 00-0437 EA Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp.....	3,347.19	
26 24 19 00-0438 EA Bus Duct Transition Pull Box.....	896.60	
26 24 19 00-0439 EA Throat And Transition To Substation.....	1,730.88	
26 24 19 00-0440 EA Service Entrance Label.....	374.85	
26 24 19 00-0441 EA Type W To 5 Star - 10" Transition.....	783.53	
26 24 19 00-0442 EA 600 Amperes, Sub Feed Lugs On Main Bus.....	367.94	
26 24 19 00-0443 Standard Structures And Structure Options/Modifications (26 24 19 00-0268)		
26 24 19 00-0444 EA Standard Structure Add For Each Additional 4" Of Structure Width.....	247.52	
26 24 19 00-0445 EA Standard Structure Add For 8" Vertical Wireway In Lieu Of 4".....	247.52	
26 24 19 00-0446 EA Standard Structure Single Corner Section "L", 16" Depth.....	765.72	
26 24 19 00-0447 EA Standard Structure Single Corner Section "L", 21" Depth.....	863.66	
26 24 19 00-0448 EA Standard Structure Unused Space/Future Space.....	73.90	
26 24 19 00-0449 EA Standard Structure NEMA 12 Dustproof.....	199.44	
26 24 19 00-0450 EA Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure.....	41.85	
26 24 19 00-0451 EA Standard Structure 150 Watt Space.....	179.86	
26 24 19 00-0452 EA Standard Structure Thermostat For Space Heater Control.....	448.00	
26 24 19 00-0453 EA Standard Structure Rear Hinged Structure Door, 72" High.....	179.86	
26 24 19 00-0454 EA Standard Structure NEMA 2 Drip Shield On Top Of MCC.....	289.43	
26 24 19 00-0455 EA Standard Structure NEMA 3R N-Walk In Front Mounted.....	4,128.96	
26 24 19 00-0456 EA Standard Structure NEMA 3R N-Walk In Back-to-back.....	4,772.48	
26 24 19 00-0457 EA Standard Structure NEMA 3R Walk-In Aisle Front Mounted.....	4,777.09	
26 24 19 00-0458 Installation Hours For Vertical Sections (26 24 19 00-0268)		
26 24 19 00-0459 EA Install Vertical Section, 230/480 Volt, 1 Section, 600 Amperes.....	584.61	292.31
26 24 19 00-0460 EA Install Vertical Section, 230/480 Volt, 2 Section, 600 Amperes.....	876.91	438.48
26 24 19 00-0461 EA Install Vertical Section, 230/480 Volt, 3 Section, 600 Amperes.....	974.38	487.20
26 24 19 00-0462 EA Install Vertical Section, 230/480 Volt, 4 Section, 600 Amperes.....	1,169.37	584.63
26 24 19 00-0463 EA Bolt To Floor, Vertical Section, 230/480 Volt, 600 Amperes.....	97.44	48.72
26 24 19 00-0464 EA Install Vertical Section, 230/480 Volt, 1 Section, 800 Amperes.....	584.61	292.31
26 24 19 00-0465 EA Install Vertical Section, 230/480 Volt, 2 Section, 800 Amperes.....	876.91	438.48



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0466 EA Install Vertical Section, 230/480 Volt, 3 Section, 800 Amperes.....	974.38	487.20
26 24 19 00-0467 EA Install Vertical Section, 230/480 Volt, 4 Section, 800 Amperes.....	1,169.37	584.63
26 24 19 00-0468 EA Bolt To Floor, Vertical Section, 230/480 Volt, 800 Amperes.....	97.44	48.72
26 24 19 00-0469 EA Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amperes.....	682.09	341.03
26 24 19 00-0470 EA Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amperes.....	876.91	438.48
26 24 19 00-0471 EA Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amperes.....	1,169.37	584.63
26 24 19 00-0472 EA Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amperes.....	1,363.97	681.97
26 24 19 00-0473 EA Bolt To Floor, Vertical Section, 230/480 Volt, 1,200 Amperes.....	146.15	73.08
26 24 19 00-0474 EA Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amperes.....	779.51	389.75
26 24 19 00-0475 EA Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amperes.....	1,071.91	535.92
26 24 19 00-0476 EA Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amperes.....	1,363.97	681.97
26 24 19 00-0477 EA Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amperes.....	1,558.75	779.41
26 24 19 00-0478 EA Bolt To Floor, Vertical Section, 230/480 Volt, 1,600 Amperes.....	194.87	97.44
26 24 19 00-0479 EA Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amperes.....	779.51	389.75
26 24 19 00-0480 EA Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amperes.....	1,169.37	584.63
26 24 19 00-0481 EA Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amperes.....	1,461.42	730.69
26 24 19 00-0482 EA Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amperes.....	1,656.56	828.32
26 24 19 00-0483 EA Bolt To Floor, Vertical Section, 230/480 Volt, 2,000 Amperes.....	194.87	97.44
26 24 19 00-0484 Motor Control Centers (26 24 19)		
26 24 19 00-0485 2.4 KV Motor Control Centers (26 24 19 00-0484)		
26 24 19 00-0486 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp.....	15,366.87	194.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	116.93	
26 24 19 00-0487 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp.....	15,366.87	194.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	116.93	
26 24 19 00-0488 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp.....	15,366.87	194.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	116.93	
26 24 19 00-0489 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp.....	15,415.62	219.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	131.55	
26 24 19 00-0490 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp.....	16,371.19	243.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	146.16	
26 24 19 00-0491 EA 2,400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp.....	16,419.89	267.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	160.77	
26 24 19 00-0492 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp.....	16,468.60	292.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	175.38	
26 24 19 00-0493 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp.....	16,566.08	341.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	204.63	
26 24 19 00-0494 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp.....	16,663.50	389.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	233.85	
26 24 19 00-0495 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp.....	28,064.73	438.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	263.07	
26 24 19 00-0496 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp.....	30,122.51	487.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	292.31	
26 24 19 00-0497 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp.....	22,801.38	194.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	116.93	
26 24 19 00-0498 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp.....	23,753.98	209.49
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	125.70	
26 24 19 00-0499 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp.....	26,986.23	228.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	137.39	
26 24 19 00-0500 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp.....	30,038.39	243.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	146.16	
26 24 19 00-0501 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp.....	32,681.26	282.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	169.55	
26 24 19 00-0502 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp.....	35,807.23	302.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	181.24	
26 24 19 00-0503 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp.....	38,931.36	321.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	192.92	
26 24 19 00-0504 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp.....	42,637.52	350.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	210.47	
26 24 19 00-0505 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp.....	49,616.83	389.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	233.85	
26 24 19 00-0506 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp.....	53,756.60	414.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	248.48	
26 24 19 00-0507 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp.....	82,098.16	487.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	292.31	
26 24 19 00-0508 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp.....	87,472.03	535.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	321.57	
26 24 19 00-0509 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp.....	92,149.65	584.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	350.81	
26 24 19 00-0510 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp.....	100,341.26	633.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	380.08	
26 24 19 00-0511 EA 2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp.....	21,513.44	194.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	116.93	
26 24 19 00-0512 EA 2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp.....	21,562.19	219.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	131.55	
26 24 19 00-0513 EA 2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp.....	21,610.89	243.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	146.16	
26 24 19 00-0514 EA 2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp.....	21,659.59	267.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	160.77	
26 24 19 00-0515 EA 2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp.....	21,711.97	292.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	175.38	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0516 EA 2,400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP.....	21,760.73	316.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	190.01	
26 24 19 00-0517 EA 2,4 KV CL 14-202, Synchronous Motor Control, 1,500 HP.....	21,809.45	341.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	204.63	
26 24 19 00-0518 EA 2,4 KV CL 14-202, Synchronous Motor Control, 1,750 HP.....	22,004.27	438.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	263.07	
26 24 19 00-0519 EA 2,4 KV CL 14-202, Synchronous Motor Control, 2,000 HP.....	37,496.57	487.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	292.31	
26 24 19 00-0520 EA 2,4 KV CL 14-202, Synchronous Motor Control, 2,250 HP.....	37,594.10	535.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	321.57	
26 24 19 00-0521 EA 2,4 KV CL 14-202, Synchronous Motor Control, 2,500 HP.....	39,640.87	584.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	350.81	
26 24 19 00-0522 EA Add For Reversing Starters, 100 To 700 HP.....	8,457.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.46	
26 24 19 00-0523 EA Add For Reversing Starters, 1,000 To 1,500 HP.....	8,713.97	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.46	
26 24 19 00-0524 EA Add For Reversing Starters, 1,750 To 2,500 HP.....	13,339.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.46	
26 24 19 00-0525 4.8 KV Motor Control Centers (26 24 19 00-0484)		
26 24 19 00-0526 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP.....	16,725.09	292.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	175.38	
26 24 19 00-0527 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP.....	16,773.85	316.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	190.01	
26 24 19 00-0528 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP.....	16,822.57	341.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	204.63	
26 24 19 00-0529 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP.....	16,871.31	365.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	219.25	
26 24 19 00-0530 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP.....	17,817.70	389.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	233.85	
26 24 19 00-0531 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP.....	17,866.47	414.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	248.48	
26 24 19 00-0532 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP.....	17,915.10	438.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	263.07	
26 24 19 00-0533 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP.....	17,963.90	462.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	277.71	
26 24 19 00-0534 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP.....	18,012.57	487.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	292.31	
26 24 19 00-0535 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP.....	30,515.82	633.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	380.08	
26 24 19 00-0536 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP.....	30,612.87	681.97
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	409.19	
26 24 19 00-0537 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP.....	32,661.46	730.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	438.43	
26 24 19 00-0538 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP.....	32,758.79	779.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	467.63	
26 24 19 00-0539 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP.....	23,256.40	292.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	175.38	
26 24 19 00-0540 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP.....	23,561.65	316.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	190.01	
26 24 19 00-0541 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP.....	27,476.02	341.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	204.63	
26 24 19 00-0542 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP.....	30,538.51	365.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	219.25	
26 24 19 00-0543 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP.....	33,152.07	389.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	233.85	
26 24 19 00-0544 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP.....	36,287.87	414.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	248.48	
26 24 19 00-0545 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP.....	39,231.16	438.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	263.07	
26 24 19 00-0546 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP.....	43,118.14	462.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	277.71	
26 24 19 00-0547 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP.....	49,945.44	487.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	292.31	
26 24 19 00-0548 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP.....	54,585.33	511.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	306.94	
26 24 19 00-0549 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP.....	59,273.95	560.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	336.18	
26 24 19 00-0550 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP.....	63,149.91	584.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	350.81	
26 24 19 00-0551 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP.....	66,805.87	608.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	365.40	
26 24 19 00-0552 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP.....	71,920.45	633.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	380.08	
26 24 19 00-0553 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP.....	114,001.65	779.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	467.63	
26 24 19 00-0554 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP.....	126,777.34	828.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	496.97	
26 24 19 00-0555 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP.....	152,386.09	876.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	526.15	
26 24 19 00-0556 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP.....	161,189.16	876.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	526.15	



Electrical			26
Low-Voltage Electrical Distribution			26 20
Switchboards and Panelboards			26 24

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0557	EA		4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,965.48 204.63	341.03
26 24 19 00-0558	EA		4.8 KV CL 14-202, Synchronous Motor Control, 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,014.22 219.25	365.39
26 24 19 00-0559	EA		4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,062.90 233.85	389.75
26 24 19 00-0560	EA		4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,111.67 248.48	414.12
26 24 19 00-0561	EA		4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,091.29 263.07	438.48
26 24 19 00-0562	EA		4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,140.09 277.71	462.84
26 24 19 00-0563	EA		4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,188.76 292.31	487.20
26 24 19 00-0564	EA		4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,237.50 306.94	511.56
26 24 19 00-0565	EA		4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,286.29 321.57	535.92
26 24 19 00-0566	EA		4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,578.35 409.19	681.97
26 24 19 00-0567	EA		4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41,327.12 438.43	730.69
26 24 19 00-0568	EA		4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43,366.44 467.63	779.41
26 24 19 00-0569	EA		4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43,366.44 467.63	779.41
26 24 19 00-0570	EA		Add For Reversing Starters, 100 To 1,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,185.50 58.46	
26 24 19 00-0571	EA		Add For Reversing Starters, 1,500 To 2,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,495.63 58.46	
26 24 19 00-0572	EA		Add For Reversing Starters, 3,000 To 4,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,089.06 58.46	
26 24 19 00-0573			2.4/4.8 KV Motor Control Centers, Accessories (26 24 19 00-0484)		
26 24 19 00-0574	EA		2.4/4.8 KV Load Break Disconnect Switch 600 Amperes.....	13,238.01	194.87
26 24 19 00-0575	EA		2.4/4.8 KV Load Break Disconnect Switch 1,200 Amperes.....	15,893.98	292.31
26 24 19 00-0576	EA		2.4/4.8 KV NEMA 3 Weather Resistant.....	5,230.13	
26 24 19 00-0577	EA		2.4/4.8 KV Space Heaters.....	224.97	14.61
26 24 19 00-0578	EA		2.4/4.8 KV Potential Transformer Fused.....	1,515.21	
26 24 19 00-0579	EA		2.4/4.8 KV Current Transformer 600 Volt, 5 KVA.....	812.98	
26 24 19 00-0580	EA		2.4/4.8 KV Control Transformer 4 KVA Max.....	2,421.23	
26 24 19 00-0581	EA		2.4/4.8 KV Pushbuttons Each.....	155.06	
26 24 19 00-0582	EA		2.4/4.8 KV Selector Switch Each.....	513.93	
26 24 19 00-0583	EA		2.4/4.8 KV Indicating Light.....	155.06	
26 24 19 00-0584	EA		2.4/4.8 KV Push To Test Light.....	469.63	
26 24 19 00-0585	EA		2.4/4.8 KV AC Voltmeter, Switchboard Type.....	1,249.38	
26 24 19 00-0586	EA		2.4/4.8 KV AC Ammeter, Switchboard Type.....	1,249.38	
26 24 19 00-0587	EA		2.4/4.8 KV Power Factor Meter.....	3,737.07	
26 24 19 00-0588	EA		2.4/4.8 KV Watt Hr Meter, 2 Element Drawout.....	2,576.30	
26 24 19 00-0589	EA		2.4/4.8 KV Operation Counter.....	498.86	14.61
26 24 19 00-0590	EA		2.4/4.8 KV Phase Failure Protection.....	3,601.91	48.72
26 24 19 00-0591	EA		2.4/4.8 KV Ground Protection.....	6,898.17	24.36
26 24 19 00-0592	EA		2.4/4.8 KV Synchronous Motor DC Protection.....	2,547.65	24.36
26 24 19 00-0593	EA		2.4/4.8 KV Lightning Arresters.....	3,405.37	14.61
26 24 19 00-0594	EA		2.4/4.8 KV Portable Lifting Mechanism.....	4,921.15	
26 24 19 00-0595	EA		2.4/4.8 KV Auxiliary Timing Relay.....	538.62	48.72
26 24 19 00-0596	EA		2.4/4.8 KV Auxiliary Control Relay.....	389.19	48.72
26 24 19 00-0597			Incoming Section And Feeder Air Circuit Breakers (26 24 19 00-0484) Note: 3 Pole. Includes structure.		
26 24 19 00-0598	EA		Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amperes, 14,000 Ampere IC, 3-Pole, With Structure Included.....	1,143.72	292.25
26 24 19 00-0599	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amperes, 22,000 Ampere IC, 3-Pole, With Structure Included.....	1,983.28	517.31
26 24 19 00-0600	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included.....	2,362.93	662.36
26 24 19 00-0601	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included.....	3,798.37	1,066.61
26 24 19 00-0602	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included.....	4,475.98	1,173.27
26 24 19 00-0603	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included.....	5,812.20	1,301.26
26 24 19 00-0604	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 45,000 Ampere IC, 3-Pole, With Structure Included.....	6,762.52	1,525.25
26 24 19 00-0605	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 100,000 Ampere IC, 3-Pole, With Structure Included.....	11,840.87	1,776.96
26 24 19 00-0606			Main Lugs Only (26 24 19 00-0484)		
26 24 19 00-0607	EA		600 Amperes Incoming Section, Main Lugs.....	889.75	373.31
26 24 19 00-0608	EA		800 Amperes Incoming Section, Main Lugs.....	965.26	373.31

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0609	EA	1,200 Amperes Incoming Section, Main Lugs	1,348.20	586.63
26 24 19 00-0610	EA	2,000 Amperes Incoming Section, Main Lugs	3,370.25	1,066.61
26 24 19 00-0611	EA	3,000 Amperes Incoming Section, Main Lugs	5,134.55	1,546.58
26 24 19 00-0612	EA	4,000 Amperes Incoming Section, Main Lugs	7,347.08	2,133.22
26 24 19 00-0613 Incoming Main Circuit Breaker Structure (26 24 19 00-0484)				
Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.				
26 24 19 00-0614	EA	225 Amperes, Main Circuit Breaker Section	6,269.17	516.13
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
		For NEMA 1 With Gaskets, Add	97.00	
		For NEMA 12, Add	245.00	
		For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0615	EA	400 Amperes, Main Circuit Breaker Section	13,368.93	663.01
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
		For NEMA 1 With Gaskets, Add	97.00	
		For NEMA 12, Add	245.00	
		For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0616	EA	600 Amperes, Main Circuit Breaker Section	13,832.47	1,032.69
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
		For NEMA 1 With Gaskets, Add	97.00	
		For NEMA 12, Add	245.00	
		For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0617	EA	800 Amperes, Main Circuit Breaker Section	19,715.11	1,032.69
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
		For NEMA 1 With Gaskets, Add	97.00	
		For NEMA 12, Add	245.00	
		For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0618	EA	1,200 Amperes, Main Circuit Breaker Section	28,581.31	1,168.47
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
		For NEMA 1 With Gaskets, Add	97.00	
		For NEMA 12, Add	245.00	
		For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0619 Incoming Fusible Main Disconnect Section (26 24 19 00-0484)				
Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.				
26 24 19 00-0620	EA	200 Amperes, Fusible Main Disconnect Section	5,433.93	516.77
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
		For NEMA 1 With Gaskets, Add	97.00	
		For NEMA 12, Add	245.00	
		For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0621	EA	400 Amperes, Fusible Main Disconnect Section	7,509.83	663.33
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
		For NEMA 1 With Gaskets, Add	97.00	
		For NEMA 12, Add	245.00	
		For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0622	EA	600 Amperes, Fusible Main Disconnect Section	14,708.31	1,033.55
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
		For NEMA 1 With Gaskets, Add	97.00	
		For NEMA 12, Add	245.00	
		For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0623	EA	800 Amperes, Fusible Main Disconnect Section	17,121.48	1,033.55
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
		For NEMA 1 With Gaskets, Add	97.00	
		For NEMA 12, Add	245.00	
		For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0624	EA	1,200 Amperes, Fusible Main Disconnect Section	24,153.78	1,169.54
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
		For NEMA 1 With Gaskets, Add	97.00	
		For NEMA 12, Add	245.00	
		For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0625 Circuit Breaker Combination Starters (26 24 19 00-0484)				
26 24 19 00-0626 Class I, Type A (26 24 19 00-0625)				
26 24 19 00-0627	EA	Size 1, Class I, Type A Circuit Breaker Combination Starter	958.40	216.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	123.45	
26 24 19 00-0628	EA	Size 2, Class I, Type A Circuit Breaker Combination Starter	1,115.99	216.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	136.74	
26 24 19 00-0629	EA	Size 3, Class I, Type A Circuit Breaker Combination Starter	1,622.44	307.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	183.90	



		Electrical	26
		Low-Voltage Electrical Distribution	26 20
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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0630	EA	Size 4, Class I, Type A Circuit Breaker Combination Starter	2,651.30	404.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	242.41	
26 24 19 00-0631	EA	Size 5, Class I, Type A Circuit Breaker Combination Starter	4,771.27	505.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	303.02	
26 24 19 00-0632		Class I, Type B (26 24 19 00-0625)		
26 24 19 00-0633	EA	Size 1, Class I, Type B Circuit Breaker Combination Starter	908.71	188.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	106.66	
26 24 19 00-0634	EA	Size 2, Class I, Type B Circuit Breaker Combination Starter	1,060.56	188.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	120.11	
26 24 19 00-0635	EA	Size 3, Class I, Type B Circuit Breaker Combination Starter	1,556.42	273.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	164.09	
26 24 19 00-0636	EA	Size 4, Class I, Type B Circuit Breaker Combination Starter	2,583.96	370.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	222.21	
26 24 19 00-0637	EA	Size 5, Class I, Type B Circuit Breaker Combination Starter	4,716.96	472.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	286.72	
26 24 19 00-0638		Class I, Type C (26 24 19 00-0625)		
26 24 19 00-0639	EA	Size 1, Class I, Type C Circuit Breaker Combination Starter	959.94	174.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	96.61	
26 24 19 00-0640	EA	Size 2, Class I, Type C Circuit Breaker Combination Starter	1,121.19	174.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	113.47	
26 24 19 00-0641	EA	Size 3, Class I, Type C Circuit Breaker Combination Starter	1,667.56	261.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	156.85	
26 24 19 00-0642	EA	Size 4, Class I, Type C Circuit Breaker Combination Starter	2,701.17	361.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	216.79	
26 24 19 00-0643	EA	Size 5, Class I, Type C Circuit Breaker Combination Starter	4,826.40	463.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	277.76	
26 24 19 00-0644		Class II, Type B (26 24 19 00-0625)		
26 24 19 00-0645	EA	Size 1, Class II, Type B Circuit Breaker Combination Starter	957.59	259.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	146.51	
26 24 19 00-0646	EA	Size 2, Class II, Type B Circuit Breaker Combination Starter	1,326.62	259.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	163.59	
26 24 19 00-0647	EA	Size 3, Class II, Type B Circuit Breaker Combination Starter	1,882.19	345.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	206.71	
26 24 19 00-0648	EA	Size 4, Class II, Type B Circuit Breaker Combination Starter	3,079.35	442.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	266.65	
26 24 19 00-0649	EA	Size 5, Class II, Type B Circuit Breaker Combination Starter	5,567.94	540.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	325.19	
26 24 19 00-0650		Class II, Type C (26 24 19 00-0625)		
26 24 19 00-0651	EA	Size 1, Class II, Type C Circuit Breaker Combination Starter	1,198.66	245.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	140.35	
26 24 19 00-0652	EA	Size 2, Class II, Type C Circuit Breaker Combination Starter	1,376.93	245.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	153.25	
26 24 19 00-0653	EA	Size 3, Class II, Type C Circuit Breaker Combination Starter	1,998.76	334.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	200.49	
26 24 19 00-0654	EA	Size 4, Class II, Type C Circuit Breaker Combination Starter	3,188.73	431.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	258.89	
26 24 19 00-0655	EA	Size 5, Class II, Type C Circuit Breaker Combination Starter	5,692.16	533.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	321.27	
26 24 19 00-0656		Fused Disconnect Combination Starter (26 24 19 00-0484)		
26 24 19 00-0657		Class I, Type A (26 24 19 00-0656)		
26 24 19 00-0658	EA	Size 1, Class I, Type A Fused Disconnect Combination Starter	874.36	199.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	120.11	
26 24 19 00-0659	EA	Size 2, Class I, Type A Fused Disconnect Combination Starter	1,318.54	273.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	163.59	
26 24 19 00-0660	EA	Size 3, Class I, Type A Fused Disconnect Combination Starter	2,096.05	355.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	213.32	
26 24 19 00-0661	EA	Size 4, Class I, Type A Fused Disconnect Combination Starter	2,867.27	498.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	299.61	
26 24 19 00-0662	EA	Size 5, Class I, Type A Fused Disconnect Combination Starter	5,024.28	634.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	380.93	
26 24 19 00-0663		Class I, Type B (26 24 19 00-0656)		
26 24 19 00-0664	EA	Size 1, Class I, Type B Fused Disconnect Combination Starter	890.54	178.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	106.66	
26 24 19 00-0665	EA	Size 2, Class I, Type B Fused Disconnect Combination Starter	1,199.35	244.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	146.51	
26 24 19 00-0666	EA	Size 3, Class I, Type B Fused Disconnect Combination Starter	1,774.71	326.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	196.07	
26 24 19 00-0667	EA	Size 4, Class I, Type B Fused Disconnect Combination Starter	2,969.10	471.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	283.67	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0668	EA	Size 5, Class I, Type B Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,111.46 360.34	599.44
26 24 19 00-0669		Class I, Type C <small>(26 24 19 00-0656)</small>		
26 24 19 00-0670	EA	Size 1, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	942.61 99.87	166.39
26 24 19 00-0671	EA	Size 2, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,267.04 136.74	226.12
26 24 19 00-0672	EA	Size 3, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,929.20 190.46	314.65
26 24 19 00-0673	EA	Size 4, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,122.60 277.76	463.98
26 24 19 00-0674	EA	Size 5, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,835.30 355.54	593.03
26 24 19 00-0675		Class II, Type B <small>(26 24 19 00-0656)</small>		
26 24 19 00-0676	EA	Size 1, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,123.18 149.80	249.59
26 24 19 00-0677	EA	Size 2, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,451.03 186.47	311.45
26 24 19 00-0678	EA	Size 3, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,104.20 240.23	401.05
26 24 19 00-0679	EA	Size 4, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,426.50 325.19	540.77
26 24 19 00-0680	EA	Size 5, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,876.86 404.02	675.17
26 24 19 00-0681		Class II, Type C <small>(26 24 19 00-0656)</small>		
26 24 19 00-0682	EA	Size 1, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,166.36 140.35	234.65
26 24 19 00-0683	EA	Size 2, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,518.36 176.59	294.38
26 24 19 00-0684	EA	Size 3, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,233.76 229.87	382.91
26 24 19 00-0685	EA	Size 4, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,564.76 317.44	527.97
26 24 19 00-0686	EA	Size 5, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,010.45 392.13	653.83
26 24 19 00-0687		Space Complete With Bus And Hardware <small>(26 24 19 00-0484)</small>		
26 24 19 00-0688		Circuit Breaker Type <small>(26 24 19 00-0687)</small>		
26 24 19 00-0689	EA	Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware	269.69	72.53
26 24 19 00-0690	EA	Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware	269.69	72.53
26 24 19 00-0691	EA	Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware	400.91	105.60
26 24 19 00-0692	EA	Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware	475.01	138.66
26 24 19 00-0693	EA	Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware	798.79	211.19
26 24 19 00-0694		Fused Disconnect Type <small>(26 24 19 00-0687)</small>		
26 24 19 00-0695	EA	Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware	269.69	72.53
26 24 19 00-0696	EA	Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware	356.98	105.60
26 24 19 00-0697	EA	Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware	496.51	138.66
26 24 19 00-0698	EA	Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware	858.77	211.19
26 24 19 00-0699	EA	Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware	1,196.34	307.18
26 24 19 00-0700		Blank Space For Future Expansion <small>(26 24 19 00-0687)</small>		
		Note: Factory modified no labor costs.		
26 24 19 00-0701	EA	Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs	125.17	
26 24 19 00-0702	EA	Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs	125.17	
26 24 19 00-0703	EA	Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs	189.78	
26 24 19 00-0704	EA	Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs	189.78	
26 24 19 00-0705	EA	Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs	377.54	
26 24 19 00-0706		Structure Combination Of Starters To 72" High <small>(26 24 19 00-0687)</small>		
26 24 19 00-0707	EA	Structure Combination Of Starters To 72" High	3,157.57	561.36
26 24 19 00-0708		Motor Control Center Basic Distribution Section <small>(26 24 19 00-0484)</small>		



		Electrical	26
		Low-Voltage Electrical Distribution	26 20
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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0709	EA	20" Wide Basic Section With Vertical Wireway <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i>	5,258.17 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00	1,461.89
26 24 19 00-0710	EA	25"-35" Wide Basic Section (No Vertical Wireway) <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i>	5,258.17 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00	1,461.89
26 24 19 00-0711	EA	25" Wide Basic Section With 9" Wide Vertical Wireway <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i>	5,808.23 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00	1,461.89
26 24 19 00-0712	EA	Corner Section <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i>	5,808.23 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00	1,461.89
26 24 19 00-0713		Motor Control Center Starters With HMCP Circuit Breaker (26 24 19 00-0484) Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0714		FVNR Starters With HMCP Circuit Breaker (26 24 19 00-0713)		
26 24 19 00-0715	EA	Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,367.72 123.18	205.33
26 24 19 00-0716	EA	Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,522.35 136.63	227.72
26 24 19 00-0717	EA	Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,641.01 183.69	306.12
26 24 19 00-0718	EA	Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,831.45 242.19	403.60
26 24 19 00-0719	EA	Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,742.42 302.67	504.40
26 24 19 00-0720	EA	Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,460.57 302.67	504.40
26 24 19 00-0721	EA	Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,381.43 106.55	177.59
26 24 19 00-0722	EA	Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,558.02 119.99	199.99
26 24 19 00-0723	EA	Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,700.98 163.82	273.06
26 24 19 00-0724	EA	Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,834.54 222.09	370.11
26 24 19 00-0725	EA	Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,759.37 286.72	477.84
26 24 19 00-0726	EA	Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,603.61 286.72	477.84
26 24 19 00-0727		Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker (26 24 19 00-0713)		
26 24 19 00-0728	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,191.99 154.13	256.95
26 24 19 00-0729	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,689.81 170.57	284.25
26 24 19 00-0730	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,434.53 229.22	382.06
26 24 19 00-0731	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,631.78 303.02	505.04
26 24 19 00-0732	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,787.97 379.13	631.86
26 24 19 00-0733	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,227.05 133.10	221.86
26 24 19 00-0734	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,747.72 150.09	250.12

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0735 EA Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	4,515.44	341.85
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	205.12	
26 24 19 00-0736 EA Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	7,652.76	462.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	277.76	
26 24 19 00-0737 EA Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	13,825.11	597.83
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	358.72	
26 24 19 00-0738 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker (26 24 19 00-0713)		
26 24 19 00-0739 EA Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	2,402.30	256.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	154.13	
26 24 19 00-0740 EA Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	3,420.26	284.25
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	170.57	
26 24 19 00-0741 EA Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	6,457.64	382.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	229.22	
26 24 19 00-0742 EA Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	8,794.05	505.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	303.02	
26 24 19 00-0743 EA Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	17,636.51	631.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	379.13	
26 24 19 00-0744 EA Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	2,437.35	221.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	133.10	
26 24 19 00-0745 EA Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	3,478.17	250.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	150.09	
26 24 19 00-0746 EA Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	6,538.55	341.85
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	205.12	
26 24 19 00-0747 EA Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	8,815.03	462.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	277.76	
26 24 19 00-0748 EA Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	17,673.65	597.83
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	358.72	
26 24 19 00-0749 Motor Control Center Starters With Fusible Disconnect (26 24 19 00-0484)		
Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0750 FVNR Starters With Fusible Disconnect (26 24 19 00-0749)		
26 24 19 00-0751 EA Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect.....	1,102.79	200.20
26 24 19 00-0752 EA Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect.....	1,437.27	272.09
26 24 19 00-0753 EA Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect.....	2,398.61	354.54
26 24 19 00-0754 EA Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect.....	4,046.69	499.38
26 24 19 00-0755 EA Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect.....	8,138.25	634.84
26 24 19 00-0756 EA Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect.....	20,649.85	634.84
26 24 19 00-0757 EA Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect.....	1,125.70	177.49
26 24 19 00-0758 EA Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect.....	1,471.70	243.72
26 24 19 00-0759 EA Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect.....	2,469.17	326.81
26 24 19 00-0760 EA Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect.....	4,063.67	472.83
26 24 19 00-0761 EA Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect.....	8,139.72	600.61
26 24 19 00-0762 EA Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect.....	20,777.50	600.61
26 24 19 00-0763 Two Speed 2-Winding (TS2W) With Fusible Disconnect (26 24 19 00-0749)		
26 24 19 00-0764 EA Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	1,901.85	250.65
26 24 19 00-0765 EA Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,650.07	340.14
26 24 19 00-0766 EA Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	4,104.92	442.96
26 24 19 00-0767 EA Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	8,611.07	625.99
26 24 19 00-0768 EA Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	14,015.98	732.55
26 24 19 00-0769 EA Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	1,948.51	221.86
26 24 19 00-0770 EA Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,704.81	304.41
26 24 19 00-0771 EA Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	4,198.21	408.94
26 24 19 00-0772 EA Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	8,644.21	589.94
26 24 19 00-0773 EA Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	14,037.63	690.85
26 24 19 00-0774 Two Speed 1-Winding (TS1W) With Fusible Disconnect (26 24 19 00-0749)		
26 24 19 00-0775 EA Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	2,218.70	250.65
26 24 19 00-0776 EA Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	3,391.74	340.14
26 24 19 00-0777 EA Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	6,149.06	442.96
26 24 19 00-0778 EA Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	9,037.28	625.99
26 24 19 00-0779 EA Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	17,082.19	732.55
26 24 19 00-0780 EA Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	2,266.30	221.86
26 24 19 00-0781 EA Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	3,446.47	304.41
26 24 19 00-0782 EA Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	6,242.35	408.94
26 24 19 00-0783 EA Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	9,070.42	589.94
26 24 19 00-0784 EA Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	17,103.84	690.85
26 24 19 00-0785 Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit (26 24 19 00-0484)		
Note: Per section. Labor is included in basic distribution section.		
26 24 19 00-0786 EA 600 Amperes, Horizontal Tin Plated Copper Bus Kit.....	239.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.02	
26 24 19 00-0787 EA 800 Amperes, Horizontal Tin Plated Copper Bus Kit.....	294.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.02	



		Electrical	26
		Low-Voltage Electrical Distribution	26 20
		Switchboards and Panelboards	26 24

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0788 EA 1,200 Amperes, Horizontal Tin Plated Copper Bus Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	353.59 9.62	
26 24 19 00-0789 EA 1,600 Amperes, Horizontal Tin Plated Copper Bus Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	460.14 9.62	
26 24 19 00-0790 EA 2,000 Amperes, Horizontal Tin Plated Copper Bus Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	772.06 11.22	
26 24 19 00-0791 EA 1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.27 6.41	
26 24 19 00-0792 Disconnect Switch For Motor Control Centers (26 24 19 00-0484)		
26 24 19 00-0793 3 Pole Circuit Breaker Disconnect For Motor Control Center (26 24 19 00-0732) Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0794 EA 150 Amperes Rating, 15 To 100 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	684.93	154.13
26 24 19 00-0795 EA 150 Amperes Rating, 125 To 150 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,135.66	170.66
26 24 19 00-0796 EA 225 Amperes Rating, 70 To 225 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,399.25	229.86
26 24 19 00-0797 EA 400 Amperes Rating, 125 To 400 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	2,271.89	302.92
26 24 19 00-0798 EA 600 Amperes Rating, 300 To 600 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	3,833.14	378.64
26 24 19 00-0799 EA 800 Amperes Rating, 400 To 800 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	4,338.77	378.64
26 24 19 00-0800 EA 1,200 Amperes Rating, 600 To 1,200 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	8,744.04	474.11
26 24 19 00-0801 Fusible Disconnect Switch For Motor Control Center (26 24 19 00-0732) Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0802 EA 30 Amperes Switch Rating, Fusible Disconnect Switch With 30 Amperes Fuse Clips.....	762.38	149.86
26 24 19 00-0803 EA 60 Amperes Switch Rating, Fusible Disconnect Switch With 60 Amperes Fuse Clips.....	899.25	204.25
26 24 19 00-0804 EA 100 Amperes Switch Rating, Fusible Disconnect Switch With 100 Amperes Fuse Clips.....	1,232.06	261.32
26 24 19 00-0805 EA 200 Amperes Switch Rating, Fusible Disconnect Switch With 200 Amperes Fuse Clips.....	2,295.23	374.38
26 24 19 00-0806 EA 400 Amperes Switch Rating, Fusible Disconnect Switch With 400 Amperes Fuse Clips.....	4,074.62	476.14
26 24 19 00-0807 EA 600 Amperes Switch Rating, Fusible Disconnect Switch With 600 Amperes Fuse Clips.....	9,346.21	476.14
26 24 19 00-0808 EA 800 Amperes Switch Rating, Fusible Disconnect Switch With 800 Amperes Fuse Clips.....	11,554.12	595.17
26 24 19 00-0809 EA 1,200 Amperes Switch Rating, Fusible Disconnect Switch With 1,200 Amperes Fuse Clips.....	17,072.46	595.17
26 24 19 00-0810 Control Circuit Transformer (26 24 19 00-0484)		
26 24 19 00-0811 EA Control Circuit Transformer, Size 1, Factory Installed.....	66.78	
26 24 19 00-0812 EA Control Circuit Transformer, Size 2, Factory Installed.....	66.78	
26 24 19 00-0813 EA Control Circuit Transformer, Size 3, Factory Installed.....	128.61	
26 24 19 00-0814 EA Control Circuit Transformer, Size 4, Factory Installed.....	128.61	
26 24 19 00-0815 EA Control Circuit Transformer, Size 5, Factory Installed.....	178.67	
26 24 19 00-0816 EA Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay.....	49.62	12.07
26 24 19 00-0817 Cover Mounted Control Devices (26 24 19 00-0484)		
26 24 19 00-0818 EA Control Device, 2 Unit Push Button Station Cover Mounted..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.22 13.33	21.33
26 24 19 00-0819 EA Control Device, 2-3 Unit Selector Switch Cover Mounted..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	124.80 16.67	21.33
26 24 19 00-0820 EA Control Device, Pilot Light Cover Mounted..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.02 9.99	21.33
26 24 19 00-0821 EA Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	284.22 43.72	72.53
26 24 19 00-0822 EA Auxiliary Contact Add Per Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	342.74 16.58	27.63
26 24 19 00-0823 Extra Interlocks (26 24 19 00-0484) Note: Per contact.		
26 24 19 00-0824 EA Extra Interlocks, Class I, Type A Per Contact..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.38 9.99	13.86
26 24 19 00-0825 EA Extra Interlocks, Class I, Type B Per Contact..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.30 9.99	13.86
26 24 19 00-0826 EA Extra Interlocks, Class I, Type C Per Contact..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.53 8.33	13.86
26 24 19 00-0827 EA Extra Interlocks, Class II, Type B Per Contact..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.39 6.67	13.86
26 24 19 00-0828 EA Extra Interlocks, Class II, Type C Per Contact..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	106.11 5.03	13.86
26 24 19 00-0829 Special Cabinet Provisions (26 24 19 00-0484)		
26 24 19 00-0830 EA Provisions For Bus Duct Entrance Special Cabinet Provisions.....	835.97	
26 24 19 00-0831 Nameplate Requirements (26 24 19 00-0484)		
26 24 19 00-0832 EA Special Cabinet Nameplate Requirements.....	29.68	
26 24 19 00-0833 Auxiliary Relays (26 24 19 00-0484)		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0834 EA Industrial Control Relay, 10 Amperes, Class A600 With 2 Contacts .....163.35	163.35	26.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.03	
26 24 19 00-0835 EA Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay.....154.42	154.42	24.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.03	
26 24 19 00-0836 EA General Purpose Control Relay, 240 Volt AC, 10 Amperes, With Base.....87.78	87.78	24.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.03	
26 24 19 00-0837 Motor Control Center Accessories (26 24 19 00-0484)		
26 24 19 00-0838 Lighting Transformer With Circuit Breaker (26 24 19 00-0837)		
Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.		
26 24 19 00-0839 EA 1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....4,844.20	4,844.20	343.00
26 24 19 00-0840 EA 1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....5,036.52	5,036.52	356.72
26 24 19 00-0841 EA 1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....5,510.49	5,510.49	384.15
26 24 19 00-0842 EA 1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....6,926.25	6,926.25	411.59
26 24 19 00-0843 EA 1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....9,311.28	9,311.28	439.03
26 24 19 00-0844 EA 1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....11,437.46	11,437.46	493.91
26 24 19 00-0845 EA 1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....15,026.99	15,026.99	548.79
26 24 19 00-0846 EA 3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....8,778.79	8,778.79	452.75
26 24 19 00-0847 EA 3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....9,537.75	9,537.75	493.91
26 24 19 00-0848 EA 3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....10,908.28	10,908.28	548.79
26 24 19 00-0849 EA 3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....11,572.81	11,572.81	603.67
26 24 19 00-0850 EA 3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....13,961.76	13,961.76	658.55
26 24 19 00-0851 EA 3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....14,406.46	14,406.46	713.42
26 24 19 00-0852 Bolt-On Lighting Panel (26 24 19 00-0837)		
Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.		
26 24 19 00-0853 EA 18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....2,017.00	2,017.00	555.06
26 24 19 00-0854 EA 30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....3,137.99	3,137.99	966.14
26 24 19 00-0855 EA 42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....4,168.63	4,168.63	1,307.12
26 24 19 00-0856 EA 18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....2,108.01	2,108.01	600.61
26 24 19 00-0857 EA 30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....3,096.88	3,096.88	945.55
26 24 19 00-0858 EA 42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....4,332.02	4,332.02	1,388.83
26 24 19 00-0859 EA 18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....3,424.19	3,424.19	643.81
26 24 19 00-0860 EA 30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....4,547.23	4,547.23	1,033.55
26 24 19 00-0861 EA 42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....5,675.15	5,675.15	1,388.83
26 24 19 00-0862 EA 18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....3,525.45	3,525.45	694.36
26 24 19 00-0863 EA 30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....4,547.23	4,547.23	1,033.55
26 24 19 00-0864 EA 42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....5,764.74	5,764.74	1,433.63
26 24 19 00-0865 Factory Installed Bolt-On Branch Circuit Breaker (26 24 19 00-0837)		
Note: For MCC lighting panel only.		
26 24 19 00-0866 EA 15 To 30 Amperes, 1 Pole, Bolt-On Branch Circuit Breaker .....15.11	15.11	
26 24 19 00-0867 EA 15 To 30 Amperes, 1 Pole (GFI) Bolt-On Branch Circuit Breaker .....257.63	257.63	
26 24 19 00-0868 EA 15 To 50 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker .....29.53	29.53	
26 24 19 00-0869 EA 60 To 100 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker .....67.99	67.99	
26 24 19 00-0870 EA 15 To 50 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker .....79.66	79.66	
26 24 19 00-0871 EA 60 To 100 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker .....120.86	120.86	
26 24 19 00-0872 Blank Unit Door (BUD) (26 24 19 00-0837)		
Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.		
26 24 19 00-0873 EA 6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure .....68.70	68.70	
26 24 19 00-0874 EA 12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure .....82.44	82.44	
26 24 19 00-0875 EA 18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure .....123.66	123.66	
26 24 19 00-0876 EA 24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure .....164.89	164.89	
26 24 19 00-0877 EA 30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure .....247.33	247.33	
26 24 19 00-0878 EA 48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure .....288.55	288.55	
26 24 19 00-0879 EA 72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure .....329.77	329.77	
26 25 Enclosed Bus Assemblies (26 20)		
26 25 13 Low-Voltage Busways (26 25)		
26 25 13 00-0001 Plug-In Bus Duct (26 25 13)		
Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
26 25 13 00-0002 600 Volt, 3-Phase, 3-Wire, Copper Conductors (26 25 13 00-0001)		
26 25 13 00-0003 LF 225 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....289.66	289.66	32.00
For Up To 25, Add	72.42	
For >25 To 50, Add	43.45	
For >50 To 100, Add	21.72	
26 25 13 00-0004 LF 400 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....412.17	412.17	32.00
For Up To 25, Add	103.04	
For >25 To 50, Add	61.83	
For >50 To 100, Add	30.91	



		Electrical	26	26
		Low-Voltage Electrical Distribution	26 20	
		Enclosed Bus Assemblies	26 25	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
26 25 13 00-0005	LF	600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	523.05	42.67
		For Up To 25, Add	130.76	
		For >25 To 50, Add	78.46	
		For >50 To 100, Add	39.23	
26 25 13 00-0006	LF	800 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	724.58	42.67
		For Up To 25, Add	181.15	
		For >25 To 50, Add	108.69	
		For >50 To 100, Add	54.34	
26 25 13 00-0007	LF	1,000 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	764.24	53.33
		For Up To 25, Add	191.06	
		For >25 To 50, Add	114.64	
		For >50 To 100, Add	57.32	
26 25 13 00-0008	LF	1,350 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,067.48	53.33
		For Up To 25, Add	266.87	
		For >25 To 50, Add	160.12	
		For >50 To 100, Add	80.06	
26 25 13 00-0009	LF	1,600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,250.66	56.00
		For Up To 25, Add	312.67	
		For >25 To 50, Add	187.60	
		For >50 To 100, Add	93.80	
26 25 13 00-0010	LF	2,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,524.79	57.59
		For Up To 25, Add	381.20	
		For >25 To 50, Add	228.72	
		For >50 To 100, Add	114.36	
26 25 13 00-0011	LF	2,500 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,883.78	60.79
		For Up To 25, Add	470.95	
		For >25 To 50, Add	282.57	
		For >50 To 100, Add	141.28	
26 25 13 00-0012	LF	3,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	2,174.97	70.93
		For Up To 25, Add	543.74	
		For >25 To 50, Add	326.25	
		For >50 To 100, Add	163.12	
26 25 13 00-0013	LF	4,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	2,517.91	77.32
		For Up To 25, Add	629.48	
		For >25 To 50, Add	377.69	
		For >50 To 100, Add	188.84	
26 25 13 00-0014		277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors (26 25 13 00-0001)		
26 25 13 00-0015	LF	225 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	478.74	32.00
		For Up To 25, Add	119.69	
		For >25 To 50, Add	71.81	
		For >50 To 100, Add	35.91	
26 25 13 00-0016	LF	400 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	693.01	32.00
		For Up To 25, Add	173.25	
		For >25 To 50, Add	103.95	
		For >50 To 100, Add	51.98	
26 25 13 00-0017	LF	600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	783.59	42.67
		For Up To 25, Add	195.90	
		For >25 To 50, Add	117.54	
		For >50 To 100, Add	58.77	
26 25 13 00-0018	LF	800 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	997.57	42.67
		For Up To 25, Add	249.39	
		For >25 To 50, Add	149.64	
		For >50 To 100, Add	74.82	
26 25 13 00-0019	LF	1,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,218.03	53.33
		For Up To 25, Add	304.51	
		For >25 To 50, Add	182.70	
		For >50 To 100, Add	91.35	
26 25 13 00-0020	LF	1,350 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,580.44	53.33
		For Up To 25, Add	395.11	
		For >25 To 50, Add	237.07	
		For >50 To 100, Add	118.53	
26 25 13 00-0021	LF	1,600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	2,044.87	55.25
		For Up To 25, Add	511.22	
		For >25 To 50, Add	306.73	
		For >50 To 100, Add	153.37	
26 25 13 00-0022	LF	2,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	2,464.48	57.59
		For Up To 25, Add	616.12	
		For >25 To 50, Add	369.67	
		For >50 To 100, Add	184.84	
26 25 13 00-0023	LF	2,500 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	3,058.50	60.26
		For Up To 25, Add	764.63	
		For >25 To 50, Add	458.78	
		For >50 To 100, Add	229.39	
26 25 13 00-0024	LF	3,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	3,530.45	70.93
		For Up To 25, Add	882.61	
		For >25 To 50, Add	529.57	
		For >50 To 100, Add	264.78	
26 25 13 00-0025	LF	4,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	4,093.41	77.32
		For Up To 25, Add	1,023.35	
		For >25 To 50, Add	614.01	
		For >50 To 100, Add	307.01	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 25 Enclosed Bus Assemblies**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0026 Cable Tap Boxes (26 25 13 00-0001)		
26 25 13 00-0027 600 Volt, 3-Phase, 3-Wire, Copper Conductors (26 25 13 00-0026)		
26 25 13 00-0028 EA 225 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire.....	2,409.27	149.33
26 25 13 00-0029 EA 400 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire.....	2,482.90	149.33
26 25 13 00-0030 EA 600 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire.....	2,679.83	202.66
26 25 13 00-0031 EA 800 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire.....	2,846.99	202.66
26 25 13 00-0032 EA 1,000 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire.....	3,049.76	266.65
26 25 13 00-0033 EA 1,350 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire.....	3,340.05	266.65
26 25 13 00-0034 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors (26 25 13 00-0026)		
26 25 13 00-0035 EA 225 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire.....	2,482.90	293.32
26 25 13 00-0036 EA 400 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire.....	2,692.07	293.32
26 25 13 00-0037 EA 600 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire.....	2,870.39	399.97
26 25 13 00-0038 EA 800 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire.....	3,224.35	399.97
26 25 13 00-0039 EA 1,000 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire.....	3,385.09	533.30
26 25 13 00-0040 EA 1,350 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire.....	3,853.25	533.30
26 25 13 00-0041 Bus Duct Plug-In Circuit Breaker (26 25 13 00-0001)		
26 25 13 00-0042 240 Volt, 3-Phase (26 25 13 00-0041)		
26 25 13 00-0043 EA 60 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker.....	1,075.44	106.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.35	
26 25 13 00-0044 EA 100 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker.....	2,159.42	106.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	74.90	
26 25 13 00-0045 600 Volt, 3-Phase (26 25 13 00-0041)		
26 25 13 00-0046 EA 60 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker.....	2,104.24	106.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.35	
26 25 13 00-0047 EA 100 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker.....	2,725.81	106.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	74.90	
26 25 13 00-0048 120/208 Volt, 3-Phase, 4-Wire (26 25 13 00-0041)		
26 25 13 00-0049 EA 60 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker.....	1,238.68	127.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.66	
26 25 13 00-0050 EA 100 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker.....	1,478.00	127.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.33	
26 25 13 00-0051 277/480 Volt, 3-Phase, 4-Wire (26 25 13 00-0041)		
26 25 13 00-0052 EA 60 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	1,422.45	127.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.66	
26 25 13 00-0053 EA 100 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	2,197.60	127.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.33	
26 25 13 00-0054 EA 225 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	3,176.58	442.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	191.84	
26 25 13 00-0055 EA 400 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	7,601.50	442.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	416.64	
26 25 13 00-0056 EA 600 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	8,437.69	1,279.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	579.68	
26 25 13 00-0057 EA 800 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	10,411.96	1,279.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,025.59	
26 25 13 00-0058 Bus Duct Plug-In Fusible Switch (26 25 13 00-0001)		
26 25 13 00-0059 240 Volt, 3-Pole, 3-Fuse (26 25 13 00-0058)		
26 25 13 00-0060 EA 30 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,072.92	106.66
26 25 13 00-0061 EA 60 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,175.11	106.66
26 25 13 00-0062 EA 100 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,628.55	127.99
26 25 13 00-0063 EA 200 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	2,744.51	255.98
26 25 13 00-0064 EA 400 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	6,962.45	575.97
26 25 13 00-0065 EA 600 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	10,357.51	1,002.61
26 25 13 00-0066 600 Volt, 3-Pole, 3-Fuse (26 25 13 00-0058)		
26 25 13 00-0067 EA 30 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,119.58	117.32
26 25 13 00-0068 EA 60 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,218.97	117.32
26 25 13 00-0069 EA 100 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,645.19	117.32
26 25 13 00-0070 EA 200 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	2,817.64	245.32
26 25 13 00-0071 EA 400 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	6,933.96	554.63
26 25 13 00-0072 EA 600 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	10,559.52	1,066.61
26 25 13 00-0073 EA 800 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	17,437.07	1,386.59
26 25 13 00-0074 120/208 Volt, 4-pole, 3 Fuse (26 25 13 00-0058)		
26 25 13 00-0075 EA 30 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,243.12	138.66



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Enclosed Bus Assemblies		26 25	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0076	EA	60 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,330.02	138.66
26 25 13 00-0077	EA	100 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,798.88	138.66
26 25 13 00-0078	EA	200 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	3,050.97	287.98
26 25 13 00-0079	EA	400 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	7,631.12	639.97
26 25 13 00-0080	EA	600 AAmperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	11,094.45	981.27
26 25 13 00-0081 277/480 Volt, 4-pole, 3-Fuse (26 25 13 00-0058)				
26 25 13 00-0082	EA	30 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,285.38	138.66
26 25 13 00-0083	EA	60 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,372.28	117.65
26 25 13 00-0084	EA	100 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,922.19	159.99
26 25 13 00-0085	EA	200 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	3,182.53	287.98
26 25 13 00-0086	EA	400 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	7,631.12	639.97
26 25 13 00-0087	EA	600 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	11,094.45	981.27
26 25 13 00-0088	EA	800 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	17,653.00	1,301.26
26 25 13 00-0089 Non-Segregated Bus Duct (26 25 13)				
Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.				
26 25 13 00-0090 600 Volt, 3 Phase, 3 Wire, Totally Enclosed Non-Ventilated, Copper Conductors (26 25 13 00-0089)				
Note: Hazardous or seismic locations.				
26 25 13 00-0091	LF	1,200 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Non-Segregated Bus Duct	1,616.06	44.79
		For Up To 25, Add	404.02	
		For >25 To 50, Add	242.41	
		For >50 To 100, Add	121.20	
26 25 13 00-0092	LF	1,600 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Non-Segregated Bus Duct	1,794.38	48.00
		For Up To 25, Add	448.60	
		For >25 To 50, Add	269.16	
		For >50 To 100, Add	134.58	
26 25 13 00-0093	LF	2,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Non-Segregated Bus Duct	2,390.50	55.46
		For Up To 25, Add	597.63	
		For >25 To 50, Add	358.58	
		For >50 To 100, Add	179.29	
26 25 13 00-0094	LF	2,500 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Non-Segregated Bus Duct	2,656.41	66.13
		For Up To 25, Add	664.10	
		For >25 To 50, Add	398.46	
		For >50 To 100, Add	199.23	
26 25 13 00-0095	LF	3,200 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Non-Segregated Bus Duct	3,683.78	76.79
		For Up To 25, Add	920.95	
		For >25 To 50, Add	552.57	
		For >50 To 100, Add	276.28	
26 25 13 00-0096	LF	4,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Non-Segregated Bus Duct	5,299.68	95.99
		For Up To 25, Add	1,324.92	
		For >25 To 50, Add	794.95	
		For >50 To 100, Add	397.48	
26 25 13 00-0097	LF	5,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Non-Segregated Bus Duct	5,763.40	114.13
		For Up To 25, Add	1,440.85	
		For >25 To 50, Add	864.51	
		For >50 To 100, Add	432.26	
26 25 13 00-0098	LF	6,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Non-Segregated Bus Duct	6,540.09	132.26
		For Up To 25, Add	1,635.02	
		For >25 To 50, Add	981.01	
		For >50 To 100, Add	490.51	
26 25 13 00-0099 600 Volt, 3 Phase, 4 Wire, Totally Enclosed Non-Ventilated, Copper Conductors (26 25 13 00-0089)				
Note: Hazardous or seismic locations.				
26 25 13 00-0100	LF	1,200 Amperes, 600 Volt, 3 Phase, 4 Wire Copper Conductors, Non-Segregated Bus Duct	2,073.79	44.79
		For Up To 25, Add	518.45	
		For >25 To 50, Add	311.07	
		For >50 To 100, Add	155.53	
26 25 13 00-0101	LF	1,600 Amperes, 600 Volt, 3 Phase, 4 Wire Copper Conductors, Non-Segregated Bus Duct	2,303.44	48.00
		For Up To 25, Add	575.86	
		For >25 To 50, Add	345.52	
		For >50 To 100, Add	172.76	
26 25 13 00-0102	LF	2,000 Amperes, 600 Volt, 3 Phase, 4 Wire Copper Conductors, Non-Segregated Bus Duct	3,074.09	55.46
		For Up To 25, Add	768.52	
		For >25 To 50, Add	461.11	
		For >50 To 100, Add	230.56	
26 25 13 00-0103	LF	2,500 Amperes, 600 Volt, 3 Phase, 4 Wire Copper Conductors, Non-Segregated Bus Duct	3,413.59	66.13
		For Up To 25, Add	853.40	
		For >25 To 50, Add	512.04	
		For >50 To 100, Add	256.02	
26 25 13 00-0104	LF	3,200 Amperes, 600 Volt, 3 Phase, 4 Wire Copper Conductors, Non-Segregated Bus Duct	4,742.11	76.79
		For Up To 25, Add	1,185.53	
		For >25 To 50, Add	711.32	
		For >50 To 100, Add	355.66	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 25 Enclosed Bus Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0105	LF		4,000 Amperes, 600 Volt, 3 Phase, 4 Wire Copper Conductors, Non-Segregated Bus Duct.....	6,831.14	95.99
			For Up To 25, Add	1,707.79	
			For >25 To 50, Add	1,024.67	
			For >50 To 100, Add	512.34	
26 25 13 00-0106	LF		5,000 Amperes, 600 Volt, 3 Phase, 4 Wire Copper Conductors, Non-Segregated Bus Duct.....	7,424.04	114.13
			For Up To 25, Add	1,856.01	
			For >25 To 50, Add	1,113.61	
			For >50 To 100, Add	556.80	
26 25 13 00-0107	LF		6,000 Amperes, 600 Volt, 3 Phase, 4 Wire Copper Conductors, Non-Segregated Bus Duct.....	8,422.33	132.26
			For Up To 25, Add	2,105.58	
			For >25 To 50, Add	1,263.35	
			For >50 To 100, Add	631.67	
26 25 16 Low-Voltage Cablebus Systems (26 25)					
26 25 16 00-0001			Feeder Bus Duct (26 25 16)		
			Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
26 25 16 00-0002			600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance (26 25 16 00-0001)		
			Note: Copper conductors.		
26 25 16 00-0003	LF		800 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	874.38	44.79
			For Up To 25, Add	218.60	
			For >25 To 50, Add	131.16	
			For >50 To 100, Add	65.58	
26 25 16 00-0004	LF		1,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	885.48	44.79
			For Up To 25, Add	221.37	
			For >25 To 50, Add	132.82	
			For >50 To 100, Add	66.41	
26 25 16 00-0005	LF		1,350 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,161.54	44.79
			For Up To 25, Add	290.39	
			For >25 To 50, Add	174.23	
			For >50 To 100, Add	87.12	
26 25 16 00-0006	LF		1,600 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,396.68	44.79
			For Up To 25, Add	349.17	
			For >25 To 50, Add	209.50	
			For >50 To 100, Add	104.75	
26 25 16 00-0007	LF		2,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,708.26	44.79
			For Up To 25, Add	427.07	
			For >25 To 50, Add	256.24	
			For >50 To 100, Add	128.12	
26 25 16 00-0008	LF		3,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	2,330.45	106.66
			For Up To 25, Add	582.61	
			For >25 To 50, Add	349.57	
			For >50 To 100, Add	174.78	
26 25 16 00-0009	LF		4,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	3,224.70	106.66
			For Up To 25, Add	806.18	
			For >25 To 50, Add	483.71	
			For >50 To 100, Add	241.85	
26 25 16 00-0010	LF		5,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	3,815.08	106.66
			For Up To 25, Add	953.77	
			For >25 To 50, Add	572.26	
			For >50 To 100, Add	286.13	
26 25 16 00-0011	LF		6,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	4,701.84	106.66
			For Up To 25, Add	1,175.46	
			For >25 To 50, Add	705.28	
			For >50 To 100, Add	352.64	
26 25 16 00-0012			277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated (26 25 16 00-0001)		
			Note: Low impedance, copper conductors.		
26 25 16 00-0013	LF		800 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,004.14	48.00
			For Up To 25, Add	251.04	
			For >25 To 50, Add	150.62	
			For >50 To 100, Add	75.31	
26 25 16 00-0014	LF		1,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,018.51	48.00
			For Up To 25, Add	254.63	
			For >25 To 50, Add	152.78	
			For >50 To 100, Add	76.39	
26 25 16 00-0015	LF		1,350 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,313.03	48.00
			For Up To 25, Add	328.26	
			For >25 To 50, Add	196.95	
			For >50 To 100, Add	98.48	
26 25 16 00-0016	LF		1,600 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,556.71	48.00
			For Up To 25, Add	389.18	
			For >25 To 50, Add	233.51	
			For >50 To 100, Add	116.75	
26 25 16 00-0017	LF		2,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,881.40	48.00
			For Up To 25, Add	470.35	
			For >25 To 50, Add	282.21	
			For >50 To 100, Add	141.11	
26 25 16 00-0018	LF		3,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	2,894.10	82.13
			For Up To 25, Add	723.53	
			For >25 To 50, Add	434.12	
			For >50 To 100, Add	217.06	



		Electrical	26
		Low-Voltage Electrical Distribution	26 20
		Enclosed Bus Assemblies	26 25

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 16 00-0019 LF 4,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports For Up To 25, Add For >25 To 50, Add For >50 To 100, Add	3,630.31 907.58 544.55 272.27	82.13
26 25 16 00-0020 LF 5,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports For Up To 25, Add For >25 To 50, Add For >50 To 100, Add	4,294.90 1,073.73 644.24 322.12	152.52
26 25 16 00-0021 LF 6,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports For Up To 25, Add For >25 To 50, Add For >50 To 100, Add	5,300.47 1,325.12 795.07 397.54	152.52
26 27 Low-Voltage Distribution Equipment (26 20)		
26 27 13 Electricity Metering (26 27)		
26 27 13 00-0001 Revenue Metering (26 27 13)		
26 27 13 00-0002 Meter Socket Base (26 27 13 00-0001) Note: NEMA 3R.		
26 27 13 00-0003 EA 100 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass.....	230.81	69.33
26 27 13 00-0004 EA 100 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass.....	244.03	69.33
26 27 13 00-0005 EA 200 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass.....	315.99	85.32
26 27 13 00-0006 EA 200 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass.....	319.74	85.32
26 27 13 00-0007 EA 200 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release.....	604.58	95.99
26 27 13 00-0008 EA 320 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release.....	799.88	106.66
26 27 13 00-0009 EA 400 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release.....	1,947.65	117.32
26 27 13 00-0010 EA Combination Motor And Current Transformer Cabinet, 15 To 30 Amperes, 13 Terminal, Underground, With Test Switch And Transformer, Socket Base	2,314.75	533.30
26 27 13 00-0011 Meter Device (26 27 13 00-0001) Note: Direct read, with 15 minute demand.		
26 27 13 00-0012 EA 100 To 200 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	221.57 13.12	21.33
26 27 13 00-0013 EA 200 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	616.42 13.36	21.37
26 27 13 00-0014 Current Transformer Enclosure (26 27 13 00-0001)		
26 27 13 00-0015 EA 18" x 24" x 9", NEMA 3R, Screwed Cover, Current Transformer Enclosure	481.07	138.66
26 27 13 00-0016 120/240 Volt Meter Center And Main Breaker, Indoor Housing (26 27 13 00-0001)		
26 27 13 00-0017 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max., 2 Pole (26 27 13 00-0016)		
26 27 13 00-0018 EA 3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	860.07	66.67
26 27 13 00-0019 EA 4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,130.42	79.99
26 27 13 00-0020 EA 5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,399.33	93.32
26 27 13 00-0021 EA 6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,621.23	106.66
26 27 13 00-0022 EA 7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,106.74	119.99
26 27 13 00-0023 EA 8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,275.90	133.32
26 27 13 00-0024 EA 10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max.....	2,656.99	159.99
26 27 13 00-0025 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max., 2 Pole (26 27 13 00-0016)		
26 27 13 00-0026 EA 3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	1,572.58	66.67
26 27 13 00-0027 EA 4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	2,069.50	79.99
26 27 13 00-0028 EA 6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	2,849.60	106.66
26 27 13 00-0029 EA 7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	3,161.25	119.99
26 27 13 00-0030 EA 8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	3,971.66	133.32
26 27 13 00-0031 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0016)		
26 27 13 00-0032 EA 3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,315.25	93.32
26 27 13 00-0033 EA 4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,723.83	106.66
26 27 13 00-0034 EA 5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,106.74	119.99
26 27 13 00-0035 EA 6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,475.40	133.32
26 27 13 00-0036 EA 7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,114.83	146.66
26 27 13 00-0037 EA 8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,269.75	159.99
26 27 13 00-0038 EA 10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,049.82	186.66
26 27 13 00-0039 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0016)		
26 27 13 00-0040 EA 3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,024.90	93.32
26 27 13 00-0041 EA 4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,650.08	106.66
26 27 13 00-0042 EA 6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,729.41	133.32

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0043	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,998.33	146.66
26 27 13 00-0044	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,107.96	159.99
26 27 13 00-0045		120/208 Volt Meter Center And Main Breaker, Indoor Housing (26 27 13 00-0001)		
26 27 13 00-0046		800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max., 2 Pole (26 27 13 00-0045)		
26 27 13 00-0047	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max.....	938.04	79.99
26 27 13 00-0048	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max.....	1,224.05	93.32
26 27 13 00-0049	EA	5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max.....	1,508.66	106.66
26 27 13 00-0050	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max.....	1,750.49	119.99
26 27 13 00-0051	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max.....	2,147.65	133.32
26 27 13 00-0052	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max.....	2,316.82	146.66
26 27 13 00-0053	EA	10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max.....	2,854.66	173.33
26 27 13 00-0054		1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0045)		
26 27 13 00-0055	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,656.25	79.99
26 27 13 00-0056	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,181.67	93.32
26 27 13 00-0057	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,147.00	119.99
26 27 13 00-0058	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,458.66	133.32
26 27 13 00-0059	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,183.61	146.66
26 27 13 00-0060		800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0045)		
26 27 13 00-0061	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,393.24	106.66
26 27 13 00-0062	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,807.51	119.99
26 27 13 00-0063	EA	5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,233.18	133.32
26 27 13 00-0064	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,601.85	146.66
26 27 13 00-0065	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,269.79	159.99
26 27 13 00-0066	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,424.67	173.33
26 27 13 00-0067	EA	10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,261.77	199.99
26 27 13 00-0068		1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0045)		
26 27 13 00-0069	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,122.84	106.66
26 27 13 00-0070	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,790.76	119.99
26 27 13 00-0071	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,998.36	146.66
26 27 13 00-0072	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,181.75	159.99
26 27 13 00-0073	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,305.67	173.33
26 27 13 00-0074		120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing (26 27 13 00-0001)		
26 27 13 00-0075		800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0074)		
26 27 13 00-0076	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	860.07	66.67
26 27 13 00-0077	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,130.42	79.99
26 27 13 00-0078	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,621.23	106.66
26 27 13 00-0079	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,106.74	119.99
26 27 13 00-0080	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,603.65	133.32
26 27 13 00-0081		1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0074)		
26 27 13 00-0082	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,572.57	66.67
26 27 13 00-0083	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,069.49	79.99
26 27 13 00-0084	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,992.09	106.66
26 27 13 00-0085	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,303.75	119.99
26 27 13 00-0086	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,971.66	133.32
26 27 13 00-0087		800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0074)		
26 27 13 00-0088	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,315.25	93.32
26 27 13 00-0089	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,723.83	106.66
26 27 13 00-0090	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,475.40	133.32
26 27 13 00-0091	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,114.83	146.66
26 27 13 00-0092	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,269.75	159.99
26 27 13 00-0093		1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0074)		
26 27 13 00-0094	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,024.92	93.32
26 27 13 00-0095	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,650.08	106.66



		Electrical	26	26
		Low-Voltage Electrical Distribution	26 20	
		Low-Voltage Distribution Equipment	26 27	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0096 EA 6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,729.41	133.32
26 27 13 00-0097 EA 7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,998.33	146.66
26 27 13 00-0098 EA 8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,108.00	159.99
26 27 13 00-0099 120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing (26 27 13 00-0001)		
26 27 13 00-0100 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0099)		
26 27 13 00-0101 EA 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	938.04	79.99
26 27 13 00-0102 EA 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,224.05	93.32
26 27 13 00-0103 EA 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,750.49	119.99
26 27 13 00-0104 EA 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,290.15	133.32
26 27 13 00-0105 EA 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,601.82	146.66
26 27 13 00-0106 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0099)		
26 27 13 00-0107 EA 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,656.24	79.99
26 27 13 00-0108 EA 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,181.65	93.32
26 27 13 00-0109 EA 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,004.50	119.99
26 27 13 00-0110 EA 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,316.16	133.32
26 27 13 00-0111 EA 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,183.58	146.66
26 27 13 00-0112 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0099)		
26 27 13 00-0113 EA 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,393.23	106.66
26 27 13 00-0114 EA 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,807.49	119.99
26 27 13 00-0115 EA 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,601.82	146.66
26 27 13 00-0116 EA 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,269.75	159.99
26 27 13 00-0117 EA 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,424.67	173.33
26 27 13 00-0118 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0099)		
26 27 13 00-0119 EA 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,122.83	106.66
26 27 13 00-0120 EA 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,790.74	119.99
26 27 13 00-0121 EA 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,998.33	146.66
26 27 13 00-0122 EA 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,181.75	159.99
26 27 13 00-0123 EA 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,305.67	173.33
26 27 13 00-0124 Watt/Hour Meters (26 27 13)		
26 27 13 00-0125 EA Single Phase M-90 Meter, Socket, NEMA 3R Enclosure	922.69	64.00
26 27 13 00-0126 EA Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure	2,785.10	127.99
26 27 13 00-0127 EA Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure	1,487.27	95.99
26 27 13 00-0128 EA Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure	1,812.71	95.99
26 27 13 00-0129 EA Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure	1,535.07	95.99
26 27 13 00-0130 EA C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	1,035.93	88.53
26 27 13 00-0131 EA P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	1,772.56	159.99
26 27 13 00-0132 Watt/Hour Meter Systems (26 27 13)		
Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.		
26 27 13 00-0133 Watt/Hour Meter System Without Main Breaker (26 27 13 00-0132)		
26 27 13 00-0134 EA 400 Amperes System; 200 Amperes M-90 Meter And Enclosure	4,583.74	640.07
26 27 13 00-0135 EA 600 To 800 Amperes System; 200 Amperes M-90 Meter And Enclosure	5,351.79	640.07
26 27 13 00-0136 Watt/Hour Meter System With Main Breaker (26 27 13 00-0132)		
26 27 13 00-0137 EA 400 Amperes System; 400 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	7,955.86	640.07
26 27 13 00-0138 EA 600 Amperes System; 600 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	9,630.62	640.07
26 27 13 00-0139 EA 800 Amperes System; 800 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	10,340.88	640.07
26 27 16 Electrical Cabinets and Enclosures (26 27)		
Note: Can be used as enclosure or pull/junction boxes.		
26 27 16 00-0001 NEMA 1 Enclosures, Lockable (26 27 16)		
26 27 16 00-0002 Hinged Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0001)		
26 27 16 00-0003 4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0002)		
26 27 16 00-0004 EA 6" x 4" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	65.76	21.33
26 27 16 00-0005 EA 6" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	73.61	23.47
26 27 16 00-0006 EA 8" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	81.52	25.59
26 27 16 00-0007 EA 8" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	95.17	29.87
26 27 16 00-0008 EA 10" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	103.48	32.00

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0009	EA	10" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	112.37	34.14
26 27 16 00-0010	EA	12" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	112.08	34.14
26 27 16 00-0011	EA	12" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	121.17	36.26
26 27 16 00-0012	EA	12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	130.68	38.40
26 27 16 00-0013	EA	16" x 12" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	169.90	51.20
26 27 16 00-0014	EA	16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	206.03	61.87
26 27 16 00-0015	EA	18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	196.03	59.73
26 27 16 00-0016 6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0002)				
26 27 16 00-0017	EA	6" x 6" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	82.08	25.59
26 27 16 00-0018	EA	8" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	99.28	29.87
26 27 16 00-0019	EA	10" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	118.69	36.26
26 27 16 00-0020	EA	10" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	127.99	38.40
26 27 16 00-0021	EA	12" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	137.46	40.53
26 27 16 00-0022	EA	12" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	147.34	42.67
26 27 16 00-0023	EA	16" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	187.50	55.46
26 27 16 00-0024	EA	16" x 16" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	227.64	68.26
26 27 16 00-0025	EA	18" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	219.62	66.13
26 27 16 00-0026	EA	18" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	285.77	85.32
26 27 16 00-0027	EA	24" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	363.24	98.13
26 27 16 00-0028	EA	24" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	413.38	106.66
26 27 16 00-0029	EA	30" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	458.43	113.06
26 27 16 00-0030	EA	36" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	498.16	117.32
26 27 16 00-0031	EA	24-1/2" x 12-1/2" x 6-1/2", Hinged Cover, Galvanized Steel NEMA 1 Enclosure (Control Products MH3803L).....	324.71	85.32
26 27 16 00-0032 Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0001)				
26 27 16 00-0033 3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)				
26 27 16 00-0034	EA	4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	44.99	14.94
26 27 16 00-0035	EA	6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	64.30	21.33
26 27 16 00-0036	EA	8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	71.59	23.47
26 27 16 00-0037 4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)				
26 27 16 00-0038	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	50.47	17.06
26 27 16 00-0039	EA	6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	62.64	21.33
26 27 16 00-0040	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	69.82	23.47
26 27 16 00-0041	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	77.10	25.59
26 27 16 00-0042	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	89.96	29.87
26 27 16 00-0043	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	97.52	32.00
26 27 16 00-0044	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	105.44	34.14
26 27 16 00-0045	EA	12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	105.18	34.14
26 27 16 00-0046	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	113.41	36.26
26 27 16 00-0047	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	121.84	38.40
26 27 16 00-0048	EA	16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	159.80	51.20
26 27 16 00-0049	EA	16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	198.26	64.00
26 27 16 00-0050	EA	18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	184.12	59.73
26 27 16 00-0051	EA	18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	238.25	76.79
26 27 16 00-0052	EA	24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	337.50	95.99
26 27 16 00-0053 6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)				
26 27 16 00-0054	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	77.46	25.59
26 27 16 00-0055	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	85.23	27.73
26 27 16 00-0056	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	98.25	32.00
26 27 16 00-0057	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	111.52	36.26
26 27 16 00-0058	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	119.84	38.40
26 27 16 00-0059	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	128.25	40.53
26 27 16 00-0060	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	136.96	42.67
26 27 16 00-0061	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	175.73	55.46
26 27 16 00-0062	EA	16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	215.96	68.26
26 27 16 00-0063	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	205.80	66.13
26 27 16 00-0064	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	267.31	85.32
26 27 16 00-0065	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	330.17	98.13
26 27 16 00-0066	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	375.88	106.66
26 27 16 00-0067	EA	30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	404.92	113.06
26 27 16 00-0068	EA	36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	440.16	117.32
26 27 16 00-0069 8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)				
26 27 16 00-0070	EA	8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	111.52	36.26
26 27 16 00-0071	EA	12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	151.03	46.93
26 27 16 00-0072	EA	16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	192.03	59.73
26 27 16 00-0073	EA	16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	238.58	74.67
26 27 16 00-0074	EA	18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	228.53	72.53
26 27 16 00-0075	EA	18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	282.98	89.60
26 27 16 00-0076	EA	24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	316.65	102.40
26 27 16 00-0077	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	362.96	108.79



Electrical		26
Low-Voltage Electrical Distribution		26 20
Low-Voltage Distribution Equipment		26 27

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0078 EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	414.37	117.32
26 27 16 00-0079 EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	440.41	123.73
26 27 16 00-0080 EA 30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	461.83	127.99
26 27 16 00-0081 EA 36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	472.58	127.99
26 27 16 00-0082 10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)		
26 27 16 00-0083 EA 18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	258.81	81.06
26 27 16 00-0084 EA 18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	339.68	104.52
26 27 16 00-0085 EA 24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	346.05	110.93
26 27 16 00-0086 EA 24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	438.32	119.46
26 27 16 00-0087 EA 24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	502.17	132.26
26 27 16 00-0088 EA 30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	552.85	136.52
26 27 16 00-0089 EA 36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	588.58	142.93
26 27 16 00-0090 12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)		
26 27 16 00-0091 EA 18" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	374.91	115.19
26 27 16 00-0092 EA 24" x 12" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	376.39	121.60
26 27 16 00-0093 EA 24" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	482.33	132.26
26 27 16 00-0094 EA 24" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	548.45	145.05
26 27 16 00-0095 EA 30" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	610.51	151.46
26 27 16 00-0096 EA 36" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	643.10	157.86
26 27 16 00-0097 NEMA 1 Enclosures For Up To 6 Boards, Lockable (26 27 16)		
26 27 16 00-0098 4.5" Depth, Hinged Cover, Powder Coated Steel, NEMA 1 Enclosures (26 27 16 00-0097)		
26 27 16 00-0099 EA 24" High x 18" Wide x 4.5" Deep, 18 Gauge, Powder Coated Steel, NEMA 1 Enclosure (RS2 Technologies NCL-12)	841.50	93.87
26 27 16 00-0100 NEMA 12 Enclosures, Lockable (26 27 16)		
Note: Dust-tight enclosures.		
26 27 16 00-0101 Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0100)		
26 27 16 00-0102 4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0101)		
26 27 16 00-0103 EA 4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	89.66	17.06
26 27 16 00-0104 EA 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	117.12	23.47
26 27 16 00-0105 EA 8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	145.14	29.87
26 27 16 00-0106 EA 10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	157.02	32.00
26 27 16 00-0107 EA 12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	175.75	34.14
26 27 16 00-0108 EA 12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	189.18	36.26
26 27 16 00-0109 6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0101)		
26 27 16 00-0110 EA 6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	129.89	25.59
26 27 16 00-0111 EA 8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	142.97	27.73
26 27 16 00-0112 Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0100)		
26 27 16 00-0113 4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0112)		
26 27 16 00-0114 EA 4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	173.54	17.06
26 27 16 00-0115 EA 6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	209.06	23.47
26 27 16 00-0116 EA 8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	236.13	25.59
26 27 16 00-0117 EA 8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	270.33	29.87
26 27 16 00-0118 EA 10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	278.41	32.00
26 27 16 00-0119 EA 10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	327.72	34.14
26 27 16 00-0120 EA 12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	351.78	36.26
26 27 16 00-0121 EA 12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	399.44	38.40
26 27 16 00-0122 6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0112)		
26 27 16 00-0123 EA 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	253.64	25.59
26 27 16 00-0124 EA 8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	286.38	27.73
26 27 16 00-0125 EA 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	312.68	32.00
26 27 16 00-0126 EA 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	369.98	38.40
26 27 16 00-0127 EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	402.09	42.67
26 27 16 00-0128 EA 16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	557.25	55.46
26 27 16 00-0129 EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	863.36	85.32
26 27 16 00-0130 EA 24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,126.83	98.13
26 27 16 00-0131 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,269.27	106.66
26 27 16 00-0132 8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0112)		
26 27 16 00-0133 EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,176.88	108.79
26 27 16 00-0134 EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,353.91	117.32
26 27 16 00-0135 EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,486.70	123.73

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0136	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,636.65	127.99	
26 27 16 00-0137	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,614.64	127.99	
26 27 16 00-0138		Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0100)			
26 27 16 00-0139		8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0138)			
26 27 16 00-0140	EA	60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	5,080.24	173.33	
26 27 16 00-0141		10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0138)			
26 27 16 00-0142	EA	60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	5,133.47	191.99	
26 27 16 00-0143	EA	60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	5,885.07	205.33	
26 27 16 00-0144	EA	72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	6,774.97	255.98	
26 27 16 00-0145	EA	72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	7,568.85	301.85	
26 27 16 00-0146		12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0138)			
26 27 16 00-0147	EA	60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	5,498.64	301.85	
26 27 16 00-0148	EA	60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	6,125.76	319.98	
26 27 16 00-0149	EA	72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	6,952.43	341.32	
26 27 16 00-0150	EA	72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	7,663.68	341.32	
26 27 16 00-0151		NEMA 3 Enclosures, Lockable (26 27 16) Note: Can be used underground or encased in concrete.			
26 27 16 00-0152		2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)			
26 27 16 00-0153	EA	4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	263.06	74.67	
26 27 16 00-0154		3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)			
26 27 16 00-0155	EA	4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	281.06	74.67	
26 27 16 00-0156	EA	5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	354.53	77.32	
26 27 16 00-0157	EA	6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	366.77	77.32	
26 27 16 00-0158	EA	6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	456.41	79.99	
26 27 16 00-0159		4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)			
26 27 16 00-0160	EA	4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	351.22	77.32	
26 27 16 00-0161	EA	5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	383.24	77.32	
26 27 16 00-0162	EA	6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	399.33	79.99	
26 27 16 00-0163	EA	6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	497.70	79.99	
26 27 16 00-0164	EA	8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	546.45	85.32	
26 27 16 00-0165	EA	8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	587.91	90.66	
26 27 16 00-0166	EA	10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	611.30	90.66	
26 27 16 00-0167	EA	10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	723.28	93.32	
26 27 16 00-0168	EA	12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	783.33	95.99	
26 27 16 00-0169	EA	12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,066.22	106.66	
26 27 16 00-0170		6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)			
26 27 16 00-0171	EA	6" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	525.19	82.66	
26 27 16 00-0172	EA	8" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	659.12	93.32	
26 27 16 00-0173	EA	8" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	768.94	95.99	
26 27 16 00-0174	EA	10" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	883.19	98.66	
26 27 16 00-0175	EA	10" x 10" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	938.37	98.66	
26 27 16 00-0176	EA	12" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,065.92	106.66	
26 27 16 00-0177	EA	12" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,232.12	119.99	
26 27 16 00-0178	EA	16" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,161.41	114.66	
26 27 16 00-0179	EA	18" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	2,255.67	213.33	
26 27 16 00-0180	EA	18" x 18" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	3,882.60	266.65	
26 27 16 00-0181		8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)			
26 27 16 00-0182	EA	8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	947.64	101.32	
26 27 16 00-0183	EA	12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,420.38	133.32	
26 27 16 00-0184	EA	12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,442.91	133.32	
26 27 16 00-0185	EA	16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,959.58	199.99	
26 27 16 00-0186	EA	18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	2,568.71	213.33	
26 27 16 00-0187	EA	24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	6,477.25	373.31	
26 27 16 00-0188		10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)			
26 27 16 00-0189	EA	18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	3,420.73	266.65	



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Low-Voltage Distribution Equipment		26 27	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0190 12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)		
26 27 16 00-0191 EA 18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	5,239.03	319.98
26 27 16 00-0192 EA 24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	4,315.91	293.32
26 27 16 00-0193 NEMA 3R Enclosures, Lockable (26 27 16) Note: Rain-tight enclosures.		
26 27 16 00-0194 Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0193)		
26 27 16 00-0195 4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)		
26 27 16 00-0196 EA 6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	85.39	21.33
26 27 16 00-0197 EA 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	94.26	23.47
26 27 16 00-0198 EA 8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	131.89	23.47
26 27 16 00-0199 6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)		
26 27 16 00-0200 EA 8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	172.67	32.00
26 27 16 00-0201 EA 10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	193.08	36.26
26 27 16 00-0202 EA 12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	226.04	40.53
26 27 16 00-0203 EA 12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	244.08	42.67
26 27 16 00-0204 EA 16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	317.76	55.46
26 27 16 00-0205 EA 16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	380.47	68.26
26 27 16 00-0206 EA 18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	436.44	85.32
26 27 16 00-0207 8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)		
26 27 16 00-0208 EA 24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	657.62	108.79
26 27 16 00-0209 EA 24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	728.52	117.32
26 27 16 00-0210 EA 30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	818.00	123.73
26 27 16 00-0211 EA 30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	859.82	127.99
26 27 16 00-0212 10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)		
26 27 16 00-0213 EA 12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	814.78	132.26
26 27 16 00-0214 EA 12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	920.38	149.33
26 27 16 00-0215 EA 12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,019.00	165.33
26 27 16 00-0216 EA 12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,122.47	182.39
26 27 16 00-0217 EA 12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,222.17	198.39
26 27 16 00-0218 EA 18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	535.04	104.52
26 27 16 00-0219 EA 24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	814.78	132.26
26 27 16 00-0220 EA 30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	959.72	136.52
26 27 16 00-0221 EA 36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,209.01	149.33
26 27 16 00-0222 12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)		
26 27 16 00-0223 EA 12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	784.58	105.60
26 27 16 00-0224 EA 12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	879.87	118.40
26 27 16 00-0225 EA 12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	974.10	131.19
26 27 16 00-0226 EA 12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,077.16	145.05
26 27 16 00-0227 EA 12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,172.45	157.86
26 27 16 00-0228 EA 18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	586.23	78.93
26 27 16 00-0229 EA 18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	784.58	105.60
26 27 16 00-0230 EA 18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	879.87	118.40
26 27 16 00-0231 EA 18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,035.43	138.66
26 27 16 00-0232 EA 18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,172.45	157.86
26 27 16 00-0233 EA 30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,115.77	155.72
26 27 16 00-0234 EA 36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,172.45	157.86
26 27 16 00-0235 EA 36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,233.99	162.13
26 27 16 00-0236 EA 36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,372.08	170.66
26 27 16 00-0237 EA 42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,486.67	179.19
26 27 16 00-0238 Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0193)		
26 27 16 00-0239 4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)		
26 27 16 00-0240 EA 4" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	61.03	17.06
26 27 16 00-0241 EA 6" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	74.00	21.33
26 27 16 00-0242 EA 6" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	81.68	23.47
26 27 16 00-0243 EA 8" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	90.43	25.59
26 27 16 00-0244 EA 8" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	105.05	29.87
26 27 16 00-0245 EA 10" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	114.31	32.00
26 27 16 00-0246 EA 10" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	124.33	34.14
26 27 16 00-0247 EA 12" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	123.82	34.14
26 27 16 00-0248 EA 12" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	135.01	36.26
26 27 16 00-0249 EA 12" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	145.03	38.40
26 27 16 00-0250 EA 18" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	219.67	59.73
26 27 16 00-0251 EA 18" x 18" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	292.09	76.79

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**
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 UNIT COST UNIT COST

26 27 16 00-0252		6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)			
26 27 16 00-0253	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	85.41		25.59
26 27 16 00-0254	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	115.67		32.00
26 27 16 00-0255	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	131.04		36.26
26 27 16 00-0256	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	141.75		38.40
26 27 16 00-0257	EA	12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	141.00		38.40
26 27 16 00-0258	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	152.32		40.53
26 27 16 00-0259	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	163.73		42.67
26 27 16 00-0260	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	213.62		55.46
26 27 16 00-0261	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	246.62		66.13
26 27 16 00-0262	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	328.20		85.32
26 27 16 00-0263	EA	24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	343.41		91.73
26 27 16 00-0264	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	390.49		98.13
26 27 16 00-0265	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	438.68		106.66
26 27 16 00-0266		8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)			
26 27 16 00-0267	EA	12" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	183.01		46.93
26 27 16 00-0268	EA	18" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	266.44		72.53
26 27 16 00-0269	EA	18" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	362.95		93.87
26 27 16 00-0270	EA	24" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	432.14		108.79
26 27 16 00-0271	EA	24" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	487.21		117.32
26 27 16 00-0272	EA	30" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	539.29		123.73
26 27 16 00-0273		10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)			
26 27 16 00-0274	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	400.71		104.52
26 27 16 00-0275	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	536.72		132.26
26 27 16 00-0276	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	586.28		136.52
26 27 16 00-0277		12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)			
26 27 16 00-0278	EA	24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	592.62		145.05
26 27 16 00-0279	EA	30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	812.16		157.86
26 27 16 00-0280	EA	36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	839.08		162.13
26 27 16 00-0281	EA	36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	975.66		170.66
26 27 16 00-0282		NEMA 4 Enclosures, Lockable (26 27 16)			
Note: Water-tight enclosures.					
26 27 16 00-0283		Hinge Cover, Painted Steel NEMA 4 Enclosures (26 27 16 00-0282)			
26 27 16 00-0284	EA	4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	98.25		14.94
26 27 16 00-0285	EA	6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	114.76		18.14
26 27 16 00-0286	EA	8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure	143.54		23.47
26 27 16 00-0287	EA	6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	136.62		23.47
26 27 16 00-0288	EA	10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	182.61		32.00
26 27 16 00-0289	EA	12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure	227.44		38.40
26 27 16 00-0290	EA	10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	210.14		36.26
26 27 16 00-0291	EA	12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	245.00		42.67
26 27 16 00-0292	EA	14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	288.25		49.06
26 27 16 00-0293	EA	16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	349.49		61.87
26 27 16 00-0294		Clamp Cover, Painted Steel NEMA 4 Enclosures (26 27 16 00-0282)			
26 27 16 00-0295	EA	4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure	90.21		14.94
26 27 16 00-0296	EA	6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure	128.60		23.47
26 27 16 00-0297		Screw Cover, Fiberglass NEMA 4 Or 4x Enclosures (26 27 16 00-0282)			
26 27 16 00-0298	EA	6" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	113.34		20.48
26 27 16 00-0299	EA	8" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	120.42		22.19
26 27 16 00-0300	EA	10" x 8" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	147.88		29.01
26 27 16 00-0301	EA	12" x 10" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	172.85		32.00
26 27 16 00-0302	EA	14" x 12" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure.....	223.48		40.53
26 27 16 00-0303	EA	16" x 14" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure.....	261.26		48.00
26 27 16 00-0304	EA	18" x 16" x 10", Screw Cover, Fiberglass NEMA 4 Enclosure.....	368.23		76.79
26 27 16 00-0305		NEMA 4X Enclosures, Lockable (26 27 16)			
Note: Water-tight enclosures.					
26 27 16 00-0306		Clamp Cover, Aluminum NEMA 4X Enclosures (26 27 16 00-0305)			
26 27 16 00-0307	EA	6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure	195.20		17.06
26 27 16 00-0308	EA	6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	230.23		23.47
26 27 16 00-0309	EA	10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	291.87		32.00
26 27 16 00-0310	EA	12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure	354.32		38.40
26 27 16 00-0311	EA	14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	436.88		49.06



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Low-Voltage Electrical Distribution		26 20	
Low-Voltage Distribution Equipment		26 27	

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26 27 16 00-0312 EA 16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	516.03	61.87
26 27 16 00-0313 Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures (26 27 16 00-0305)		
26 27 16 00-0314 EA 4" x 4" x 3", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure.....	246.00	14.94
For 316L Stainless Steel, Add	56.34	
26 27 16 00-0315 EA 6" x 4" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure.....	320.34	21.33
For 316L Stainless Steel, Add	72.09	
26 27 16 00-0316 EA 6" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure.....	362.86	23.47
For 316L Stainless Steel, Add	82.13	
26 27 16 00-0317 EA 8" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure.....	415.04	25.59
For 316L Stainless Steel, Add	94.78	
26 27 16 00-0318 EA 10" x 8" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure.....	509.84	32.00
For 316L Stainless Steel, Add	116.06	
26 27 16 00-0319 EA 12" x 10" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure.....	716.23	40.53
For 316L Stainless Steel, Add	166.03	
26 27 16 00-0320 EA 14" x 12" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure.....	892.60	49.06
For 316L Stainless Steel, Add	207.88	
26 27 16 00-0321 EA 16" x 14" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure.....	1,076.62	61.87
For 316L Stainless Steel, Add	248.93	
26 27 16 00-0322 Screw Cover, Polycarbonate NEMA 4X Enclosures (26 27 16 00-0305)		
Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0323 EA 6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	111.35	23.47
26 27 16 00-0324 EA 8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	125.00	25.59
26 27 16 00-0325 EA 8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	143.30	29.87
26 27 16 00-0326 EA 10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	155.56	32.00
26 27 16 00-0327 EA 12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	179.39	36.26
26 27 16 00-0328 EA 10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	169.69	36.26
26 27 16 00-0329 EA 12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	196.94	40.53
26 27 16 00-0330 EA 14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	246.05	49.06
26 27 16 00-0331 EA 16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	316.34	67.20
26 27 16 00-0332 EA 18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	411.96	96.74
26 27 16 00-0333 EA 6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	118.99	23.47
26 27 16 00-0334 EA 8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	134.02	25.59
26 27 16 00-0335 EA 8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	153.01	29.87
26 27 16 00-0336 EA 10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	167.33	32.00
26 27 16 00-0337 EA 12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	191.87	36.26
26 27 16 00-0338 EA 10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	181.48	36.26
26 27 16 00-0339 EA 12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	212.93	40.53
26 27 16 00-0340 EA 14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	254.37	49.06
26 27 16 00-0341 EA 16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	333.67	67.20
26 27 16 00-0342 EA 18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	430.67	96.74
26 27 16 00-0343 Hinged Cover, Polycarbonate NEMA 4X Enclosures (26 27 16 00-0305)		
Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0344 EA 6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	132.85	23.47
26 27 16 00-0345 EA 8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	142.34	25.59
26 27 16 00-0346 EA 8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	162.01	29.87
26 27 16 00-0347 EA 10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	174.97	32.00
26 27 16 00-0348 EA 12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	206.43	36.26
26 27 16 00-0349 EA 10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	191.18	36.26
26 27 16 00-0350 EA 12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	233.03	40.53
26 27 16 00-0351 EA 14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	277.25	49.06
26 27 16 00-0352 EA 16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	343.38	67.20
26 27 16 00-0353 EA 18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	447.31	96.74
26 27 16 00-0354 EA 6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	138.40	23.47
26 27 16 00-0355 EA 8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	152.73	25.59
26 27 16 00-0356 EA 8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	171.72	29.87
26 27 16 00-0357 EA 10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	185.36	32.00
26 27 16 00-0358 EA 12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	220.30	36.26
26 27 16 00-0359 EA 10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	202.96	36.26
26 27 16 00-0360 EA 12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	247.59	40.53
26 27 16 00-0361 EA 14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	284.18	49.06
26 27 16 00-0362 EA 16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	366.25	67.20
26 27 16 00-0363 EA 18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	471.58	96.74
26 27 16 00-0364 NEMA 7/9 Enclosures, Lockable (26 27 16)		
Note: Nominal inside dimensions.		
26 27 16 00-0365 4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0364)		
26 27 16 00-0366 EA 6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,117.36	119.99
For Mounting Pan, Add	46.44	
26 27 16 00-0367 EA 6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	897.88	127.99
For Mounting Pan, Add	86.54	
26 27 16 00-0368 EA 8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,732.40	143.99
For Mounting Pan, Add	119.34	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR
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UNIT COST UNIT COST

26 27 16 00-0369 6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9**Enclosures** (26 27 16 00-0364)

26 27 16 00-0370	EA 8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,543.92	143.99
	For Mounting Pan, Add	60.68	
26 27 16 00-0371	EA 8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,003.25	147.99
	For Mounting Pan, Add	119.34	
26 27 16 00-0372	EA 8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,051.61	159.99
	For Mounting Pan, Add	91.28	
26 27 16 00-0373	EA 10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,104.59	159.99
	For Mounting Pan, Add	106.80	
26 27 16 00-0374	EA 10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,969.99	199.99
	For Mounting Pan, Add	140.12	
26 27 16 00-0375	EA 12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,798.02	179.99
	For Mounting Pan, Add	87.49	
26 27 16 00-0376	EA 12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,897.46	199.99
	For Mounting Pan, Add	130.91	
26 27 16 00-0377	EA 12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,486.69	359.98
	For Mounting Pan, Add	176.12	
26 27 16 00-0378	EA 14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,552.60	239.98
	For Mounting Pan, Add	171.48	
26 27 16 00-0379	EA 16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,680.55	399.97
	For Mounting Pan, Add	157.43	
26 27 16 00-0380	EA 18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	5,592.72	399.97
	For Mounting Pan, Add	255.93	

26 27 16 00-0381 8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9**Enclosures** (26 27 16 00-0364)

26 27 16 00-0382	EA 8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,393.10	179.99
	For Mounting Pan, Add	91.28	
26 27 16 00-0383	EA 10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,409.56	179.99
	For Mounting Pan, Add	106.80	
26 27 16 00-0384	EA 10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,723.13	179.99
	For Mounting Pan, Add	140.12	
26 27 16 00-0385	EA 12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,017.61	199.99
	For Mounting Pan, Add	87.49	
26 27 16 00-0386	EA 12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,401.75	359.98
	For Mounting Pan, Add	130.91	
26 27 16 00-0387	EA 12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	5,356.78	439.98
	For Mounting Pan, Add	176.12	
26 27 16 00-0388	EA 12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	8,375.84	519.97
	For Mounting Pan, Add	264.87	
26 27 16 00-0389	EA 14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,833.08	439.98
	For Mounting Pan, Add	171.48	
26 27 16 00-0390	EA 16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,962.12	439.98
	For Mounting Pan, Add	157.43	
26 27 16 00-0391	EA 16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,354.88	479.98
	For Mounting Pan, Add	235.98	
26 27 16 00-0392	EA 18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,084.24	439.98
	For Mounting Pan, Add	255.93	
26 27 16 00-0393	EA 18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	8,103.82	479.98
	For Mounting Pan, Add	374.25	
26 27 16 00-0394	EA 18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	8,049.03	479.98
	For Mounting Pan, Add	498.92	
26 27 16 00-0395	EA 18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	12,473.62	639.97
	For Mounting Pan, Add	623.56	
26 27 16 00-0396	EA 24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	9,500.64	519.97
	For Mounting Pan, Add	579.80	
26 27 16 00-0397	EA 24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	17,182.12	799.96
	For Mounting Pan, Add	793.74	

26 27 16 00-0398 10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA**7/9 Enclosures** (26 27 16 00-0364)

26 27 16 00-0399	EA 12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	8,707.79	519.97
	For Mounting Pan, Add	264.87	
26 27 16 00-0400	EA 16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	8,016.04	479.98
	For Mounting Pan, Add	235.98	
26 27 16 00-0401	EA 18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	8,732.49	519.97
	For Mounting Pan, Add	374.25	
26 27 16 00-0402	EA 18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	11,009.97	559.97
	For Mounting Pan, Add	623.56	
26 27 16 00-0403	EA 24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	9,756.21	559.97
	For Mounting Pan, Add	579.80	
26 27 16 00-0404	EA 24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	18,702.81	799.96
	For Mounting Pan, Add	793.74	

26 27 16 00-0405 12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA**7/9 Enclosures** (26 27 16 00-0364)



Electrical			26
Low-Voltage Electrical Distribution			26 20
Low-Voltage Distribution Equipment			26 27

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0406 EA 12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	5,475.17 176.12	439.98
26 27 16 00-0407 Breaker Enclosures (26 27 16) See CSI section 26 24 16 00-0001 for lighting and power panel boards.		
26 27 16 00-0408 15 To 100 Amperes, F-Frame Breaker Enclosures (26 27 16 00-0407)		
26 27 16 00-0409 EA NEMA 1, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	346.66	85.32
26 27 16 00-0410 EA NEMA 3R, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	636.26	85.32
26 27 16 00-0411 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	1,567.20	117.32
26 27 16 00-0412 EA NEMA 7, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure	2,123.96	127.99
26 27 16 00-0413 EA NEMA 9, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure	1,549.41	127.99
26 27 16 00-0414 EA NEMA 12, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	546.62	117.32
26 27 16 00-0415 15 To 250 Amperes, H Or J-Frame Breaker Enclosures (26 27 16 00-0407)		
26 27 16 00-0416 EA NEMA 1, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	553.12	117.32
26 27 16 00-0417 EA NEMA 3R, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	1,016.88	117.32
26 27 16 00-0418 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	3,469.38	149.33
26 27 16 00-0419 EA NEMA 12, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	840.60	149.33
26 27 16 00-0420 125 To 400 Amperes, L-Frame Breaker Enclosures (26 27 16 00-0407)		
26 27 16 00-0421 EA NEMA 1, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	866.91	234.65
26 27 16 00-0422 EA NEMA 3R, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	2,010.52	234.65
26 27 16 00-0423 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	5,880.04	298.65
26 27 16 00-0424 EA NEMA 12, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	1,438.07	298.65
26 27 16 00-0425 300 To 800 Amperes, M-Frame Breaker Enclosures (26 27 16 00-0407)		
26 27 16 00-0426 EA NEMA 1, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	1,697.77	447.98
26 27 16 00-0427 EA NEMA 3R, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	2,906.47	447.98
26 27 16 00-0428 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	10,580.24	575.97
26 27 16 00-0429 EA NEMA 12, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	5,731.48	575.97
26 27 16 00-0430 250 To 1,200 Amperes, P-Frame Breaker Enclosures (26 27 16 00-0407)		
26 27 16 00-0431 EA NEMA 1, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	2,069.32	447.98
26 27 16 00-0432 EA NEMA 3R, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	3,494.06	447.98
26 27 16 00-0433 EA NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	7,202.78	575.97
26 27 16 00-0434 Legend Plates (26 27 16)		
26 27 16 00-0435 EA 3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters	14.68	5.33
26 27 16 00-0436 EA 3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters	20.62	5.33
26 27 19 Multi-Outlet Assemblies (26 27)		
26 27 19 00-0001 Surface Metal Raceway, Preassembled With Outlets (26 27 19) Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		
26 27 19 00-0002 LF Single Circuit, Plugmold #2000, 3' With Outlets 6" On Center	26.57	7.79
For Concrete Or Masonry Surface, Add	0.78	
26 27 19 00-0003 LF Single Circuit, Plugmold #2000, 6' With Outlets 6" On Center	20.67	5.54
For Concrete Or Masonry Surface, Add	0.56	
26 27 19 00-0004 LF Single Circuit, Plugmold #2000, 6' With Outlets 9" On Center	19.37	5.86
For Concrete Or Masonry Surface, Add	0.58	
26 27 19 00-0005 LF Single Circuit, Plugmold #2000, 6' With Outlets 12" On Center	21.49	5.54
For Concrete Or Masonry Surface, Add	0.56	
26 27 19 00-0006 LF Single Circuit, Plugmold #2000, 6' With Outlets 18" On Center	17.26	5.65
For Concrete Or Masonry Surface, Add	0.56	
26 27 19 00-0007 LF Two Circuits, Plugmold #2000, 6' With Outlets 9" On Center	24.17	5.54
For Concrete Or Masonry Surface, Add	0.56	
26 27 19 00-0008 LF Two Circuits, Plugmold #2000, 6' With Outlets 12" On Center	21.24	5.54
For Concrete Or Masonry Surface, Add	0.56	
26 27 19 00-0009 LF Two Circuits, Plugmold #2000, 6' With Outlets 18" On Center	23.01	5.54
For Concrete Or Masonry Surface, Add	0.56	
26 27 23 Indoor Service Poles (26 27)		
26 27 23 00-0001 Communication And Power Poles (26 27 23) Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.		
26 27 23 00-0002 Steel Communication And Power Poles (26 27 23 00-0001)		
26 27 23 00-0003 2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0002)		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0004		2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0003)		
26 27 23 00-0005	EA	2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	251.22	47.26
26 27 23 00-0006	EA	2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	271.58	47.26
26 27 23 00-0007	EA	2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	295.12	47.26
26 27 23 00-0008		Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0003)		
		Note: Excludes receptacles, communication jacks and wiring.		
26 27 23 00-0009	EA	Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One Single Receptacle.....	51.46	9.75
26 27 23 00-0010	EA	Add-On 2-1/4" Width Steel Cover Plate For Three Duplex Receptacles.....	45.03	9.75
26 27 23 00-0011	EA	Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One GFCI Receptacle.....	50.57	9.75
26 27 23 00-0012	EA	Add-On 2-1/4" Width Steel Cover Plate For Data And A/V Modular Devices.....	38.29	9.75
26 27 23 00-0013	EA	Add-On 2-1/4" Width Steel Cover Plate Radius Control Entrance End Fitting.....	32.10	9.75
26 27 23 00-0014		2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0002)		
26 27 23 00-0015		2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0014)		
26 27 23 00-0016	EA	2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	321.03	47.26
26 27 23 00-0017	EA	2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	364.78	47.26
26 27 23 00-0018	EA	2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	388.40	47.26
26 27 23 00-0019		Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0014)		
		Note: Excludes receptacles and communication jacks.		
26 27 23 00-0020	EA	Add-On 2-3/4" Width Steel Cover Plate For One Single Receptacle.....	35.56	9.75
26 27 23 00-0021	EA	Add-On 2-3/4" Width Steel Cover Plate For One Duplex Receptacle.....	32.29	9.75
26 27 23 00-0022	EA	Add-On 2-3/4" Width Steel Cover Plate For Data And A/V Modular Devices.....	34.63	9.75
26 27 23 00-0023		3" Width, Steel Communication And Power Poles (26 27 23 00-0002)		
26 27 23 00-0024		3" Width, Steel Communication And Power Poles (26 27 23 00-0023)		
26 27 23 00-0025	EA	3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	413.75	47.26
26 27 23 00-0026	EA	3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	466.42	47.26
26 27 23 00-0027	EA	3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	501.13	47.26
26 27 23 00-0028		Additional Cover Plates For 3" Width, Steel Communication And Power Poles (26 27 23 00-0023)		
		Note: Excludes receptacles and communication jacks.		
26 27 23 00-0029	EA	Add-On 3" Width Steel Cover Plate For One Single Receptacle.....	35.56	9.75
26 27 23 00-0030	EA	Add-On 3" Width Steel Cover Plate For One Duplex Receptacle.....	32.29	9.75
26 27 23 00-0031	EA	Add-On 3" Width Steel Cover Plate For Data And A/V Modular Devices.....	34.63	9.75
26 27 23 00-0032		Aluminum Communication And Power Poles (26 27 23 00-0001)		
26 27 23 00-0033		2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)		
26 27 23 00-0034		2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0033)		
26 27 23 00-0035	EA	2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	334.73	47.26
26 27 23 00-0036	EA	2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	371.55	47.26
26 27 23 00-0037	EA	2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	412.83	47.26
26 27 23 00-0038		Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0033)		
26 27 23 00-0039	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One Single Receptacle.....	52.72	9.75
26 27 23 00-0040	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Three Duplex Receptacles.....	53.75	9.75
26 27 23 00-0041	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One GFCI Receptacle.....	57.21	9.75
26 27 23 00-0042	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Data And A/V Modular Devices.....	40.23	9.75
26 27 23 00-0043	EA	Add-On 2-1/8" Width Aluminum Radius Control Entrance End Fitting.....	32.10	9.75
26 27 23 00-0044		2-1/4" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)		
26 27 23 00-0045	EA	2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	323.23	47.26
26 27 23 00-0046	EA	2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	361.00	47.26
26 27 23 00-0047	EA	2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	405.49	47.26
26 27 23 00-0048		5" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)		
26 27 23 00-0049	EA	5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	659.62	47.26
26 27 23 00-0050	EA	5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	752.24	47.26
26 27 23 00-0051	EA	5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	855.97	47.26



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0052 2" Diameter, Round Aluminum Communication And Power Pole (26 27 23 00-0032)		
26 27 23 00-0053 EA 2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	365.44	47.26
26 27 23 00-0054 EA 2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole.....	346.78	47.26
26 27 23 00-0055 EA 2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole.....	439.93	47.26
26 27 26 Wiring Devices (26 27)		
Note: Includes device, installation, wire connections, support clips (where necessary) and testing. Assemblies include outlet device, cover plate, mounting and appropriate box.		
26 27 26 00-0001 Receptacles (26 27 26)		
26 27 26 00-0002 General Use Receptacles (26 27 26 00-0001)		
26 27 26 00-0003 Receptacle Assemblies (26 27 26 00-0002)		
Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.		
26 27 26 00-0004 EA 15 Amperes, 1 Gang, NEMA 5-15, Duplex Receptacle Assembly.....	87.28	37.87
26 27 26 00-0005 EA 20 Amperes, 1 Gang, NEMA 5-20, Duplex Receptacle Assembly.....	93.41	40.53
26 27 26 00-0006 EA 15 Amperes, 2 Gang, NEMA 5-15, Duplex Receptacle Assembly.....	111.96	48.53
26 27 26 00-0007 EA 20 Amperes, 2 Gang, NEMA 5-20, Duplex Receptacle Assembly.....	124.22	53.87
26 27 26 00-0008 EA 15 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly.....	98.12	37.87
26 27 26 00-0009 EA 20 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly.....	104.82	40.53
26 27 26 00-0010 Receptacle Components (26 27 26 00-0002)		
26 27 26 00-0011 EA 15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Single Receptacle.....	24.29	10.67
26 27 26 00-0012 EA 15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Duplex Receptacle.....	23.65	10.67
26 27 26 00-0013 EA 15 Amperes, 120/277 Volt, 3 Wire, Single Receptacle.....	27.38	10.67
26 27 26 00-0014 EA 15 Amperes, 120/277 Volt, 3 Wire, Duplex Receptacle.....	29.54	10.67
26 27 26 00-0015 EA 15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Single Receptacle.....	37.62	13.33
26 27 26 00-0016 EA 15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Duplex Receptacle.....	44.70	13.33
26 27 26 00-0017 EA 20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Single Receptacle.....	25.12	10.67
26 27 26 00-0018 EA 20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Duplex Receptacle.....	24.45	10.67
26 27 26 00-0019 EA 20 Amperes, 120/277 Volt, Single Receptacle.....	34.17	10.67
26 27 26 00-0020 EA 20 Amperes, 120/277 Volt, Duplex Receptacle.....	28.86	10.67
26 27 26 00-0021 EA 20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Single Receptacle.....	37.62	13.33
26 27 26 00-0022 EA 20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Duplex Receptacle.....	44.70	13.33
26 27 26 00-0023 EA 20 Amperes, 125/250 Volt, 1 Phase, NEMA 14-20, Single Receptacle.....	67.40	13.33
26 27 26 00-0024 EA 20 Amperes, 250 Volt, 3 Phase, NEMA 15-20, Single Receptacle.....	67.40	13.33
26 27 26 00-0025 EA 25 Amperes, 120/277 Volt, Duplex Receptacle.....	58.16	16.00
26 27 26 00-0026 Specialty Receptacles (26 27 26 00-0001)		
26 27 26 00-0027 Specialty Receptacles (26 27 26 00-0026)		
26 27 26 00-0028 EA 30 Amperes, 125 Volt, 1 Phase, NEMA 5-30, Single Receptacle.....	53.40	18.67
26 27 26 00-0029 EA 30 Amperes, 250 Volt, 1 Phase, NEMA 6-30, Single Receptacle.....	53.40	18.67
26 27 26 00-0030 EA 30 Amperes, 125/250 Volt, NEMA 10-30, Single Receptacles.....	63.97	18.67
26 27 26 00-0031 EA 30 Amperes, 125/250 Volt, 1 Phase, NEMA 14-30, Single Receptacle.....	78.06	18.67
26 27 26 00-0032 EA 30 Amperes, 250 Volt, 3 Phase, NEMA 15-30, Single Receptacle.....	83.40	21.33
26 27 26 00-0033 EA 50 Amperes, 125 Volt, 1 Phase, NEMA 5-50, Single Receptacle.....	77.52	21.33
26 27 26 00-0034 EA 50 Amperes, 250 Volt, 1 Phase, NEMA 6-50, Single Receptacle.....	75.86	21.33
26 27 26 00-0035 EA 50 Amperes, 277 Volt, NEMA 7-50, Single Receptacle.....	67.31	21.33
26 27 26 00-0036 EA 50 Amperes, 125/250 Volt, NEMA 10-50, Single Receptacle.....	76.79	21.33
26 27 26 00-0037 EA 50 Amperes, 125/250 Volt, 1 Phase, NEMA 14-50, Single Receptacle.....	92.46	21.33
26 27 26 00-0038 EA 50 Amperes, 250 Volt, 3 Phase, NEMA 15-50, Single Receptacle.....	97.79	24.00
26 27 26 00-0039 EA 60 Amperes, 125/250 Volt, 1 Phase, NEMA 14-60, Single Receptacle.....	107.64	26.67
26 27 26 00-0040 EA 60 Amperes, 250 Volt, 3 Phase, NEMA 15-60, Single Receptacle.....	118.31	32.00
26 27 26 00-0041 EA 100 Amperes, 480 Volt, 3 Phase, Joy Receptacle With Box, Complete.....	1,105.75	250.65
26 27 26 00-0042 EA 400 Amperes, 4 Pole Weatherproof Generator Receptacle With Box, Complete.....	2,615.52	306.65
26 27 26 00-0043 EA 30 Amperes, 230 Volt, Dryer Receptacle.....	63.44	21.33
26 27 26 00-0044 EA 60 Amperes, 230 Volt, Range Receptacle.....	93.10	32.00
26 27 26 00-0045 EA 15 Or 20 Amperes, 120/277 Volt, Clock Hanger Receptacle.....	57.60	13.33
26 27 26 00-0046 EA Cable Reel With 20 Amperes, 120 Volt Receptacle, Complete.....	1,178.55	324.77
26 27 26 00-0047 Isolated Ground Receptacles (26 27 26 00-0026)		
26 27 26 00-0048 EA 15 Amperes, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex.....	65.89	10.67
Note: 2 Pole, 3 wire.		
26 27 26 00-0049 EA 20 Amperes, 120 Volt Isolated Ground Receptacles, Simplex.....	49.54	13.33
26 27 26 00-0050 EA 20 Amperes, 120 Volt Isolated Ground Receptacles, Duplex.....	49.38	13.33
26 27 26 00-0051 EA 30 Amperes, 120 Volt Isolated Ground Receptacles, Simplex.....	69.46	21.33
26 27 26 00-0052 EA Locking 15 Amperes, 250 Volt Isolated Ground Receptacles.....	54.99	13.33
26 27 26 00-0053 EA Locking 15 Amperes, 277 Volt Isolated Ground Receptacles.....	50.75	13.33
26 27 26 00-0054 EA Locking 20 Amperes, 120/208 Volt Isolated Ground Receptacles.....	69.34	16.00
26 27 26 00-0055 EA Locking 20 Amperes, 277/480 Volt Isolated Ground Receptacles.....	56.14	16.00
26 27 26 00-0056 EA Locking 20 Amperes, 347/600 Volt Isolated Ground Receptacles.....	70.91	16.00
26 27 26 00-0057 EA Locking 30 Amperes, 120/208 Volt Isolated Ground Receptacles.....	85.30	16.00
26 27 26 00-0058 EA Locking 30 Amperes, 277 Volt Isolated Ground Receptacles.....	85.82	21.33

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0059	Explosion Proof Receptacles (26 27 26 00-0026)			
26 27 26 00-0060	EA	1/2", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	624.60	26.67
26 27 26 00-0061	EA	3/4", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	577.68	29.33
26 27 26 00-0062	EA	3/4", 30 Amperes, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	962.51	53.33
26 27 26 00-0063	EA	3/4", 30 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,206.10	53.33
26 27 26 00-0064	EA	1-1/4", 60 Amperes, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,531.90	79.99
26 27 26 00-0065	EA	1-1/4", 60 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,461.38	79.99
26 27 26 00-0066	Ground Fault Circuit Interrupter (GFCI) (26 27 26 00-0026)			
26 27 26 00-0067	EA	15 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	31.83	13.33
26 27 26 00-0068	EA	20 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	46.53	16.00
26 27 26 00-0069	Arc Fault Circuit Interrupter (AFCI) (26 27 26 00-0026)			
26 27 26 00-0070	EA	15 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	55.46	13.33
26 27 26 00-0071	EA	20 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	60.71	13.33
26 27 26 00-0072	Locking Receptacle (26 27 26 00-0026)			
26 27 26 00-0073	EA	NEMA L5-15, 125 Volt, 2 Pole, 15 Amperes, Locking Receptacle	43.42	13.33
26 27 26 00-0074	EA	NEMA L6-15, 250 Volt, 2 Pole, 15 Amperes, Locking Receptacle	52.11	13.33
26 27 26 00-0075	EA	NEMA L5-20, 125 Volt, 2 Pole, 20 Amperes, Locking Receptacle	48.65	16.00
26 27 26 00-0076	EA	NEMA L6-20, 250 Volt, 2 Pole, 20 Amperes, Locking Receptacle	48.27	16.00
26 27 26 00-0077	EA	NEMA L8-20, 480 Volt, 2 Pole, 20 Amperes, Locking Receptacle	55.91	16.00
26 27 26 00-0078	EA	NEMA L9-20, 600 Volt, 2 Pole, 20 Amperes, Locking Receptacle	65.80	16.00
26 27 26 00-0079	EA	NEMA L10-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle	64.71	16.00
26 27 26 00-0080	EA	NEMA L14-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle	57.48	16.00
26 27 26 00-0081	EA	NEMA L5-30, 125 Volt, 2 Pole, 30 Amperes, Locking Receptacle	66.85	21.33
26 27 26 00-0082	EA	NEMA L6-30, 250 Volt, 2 Pole, 30 Amperes, Locking Receptacle	67.77	21.33
26 27 26 00-0083	EA	NEMA L15-30, 250 Volt, 3 Pole, 30 Amperes, Locking Receptacle	91.65	21.33
26 27 26 00-0084	Weathertight Pin And Sleeve Receptacle (26 27 26 00-0026)			
26 27 26 00-0085	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R4W)	219.00	53.33
26 27 26 00-0086	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R6W)	218.54	53.33
26 27 26 00-0087	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R7W)	227.30	53.33
26 27 26 00-0088	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R12W)	275.12	58.67
26 27 26 00-0089	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R9W)	275.85	58.67
26 27 26 00-0090	EA	20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R7W)	274.16	58.67
26 27 26 00-0091	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R4W)	327.00	65.59
26 27 26 00-0092	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R6W)	312.75	65.59
26 27 26 00-0093	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R7W)	335.06	65.59
26 27 26 00-0094	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R12W)	340.40	72.00
26 27 26 00-0095	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R9W)	340.12	72.00
26 27 26 00-0096	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R7W)	342.14	72.00
26 27 26 00-0097	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R4W)	473.43	85.32
26 27 26 00-0098	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R6W)	456.17	85.32
26 27 26 00-0099	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R7W)	467.40	85.32
26 27 26 00-0100	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R12W)	520.48	94.93
26 27 26 00-0101	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R9W)	520.81	94.93
26 27 26 00-0102	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R7W)	521.14	94.93
26 27 26 00-0103	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R6W)	579.66	106.66
26 27 26 00-0104	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R7W)	601.78	106.66
26 27 26 00-0105	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R12W)	648.30	117.32
26 27 26 00-0106	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R9W)	646.64	117.32
26 27 26 00-0107	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R7W)	649.76	117.32
26 27 26 00-0108	Corrosion Resistant Receptacle (26 27 26 00-0026)			
26 27 26 00-0109	EA	15/20 Amperes, 125 Volt Corrosion Resistant, Power Receptacles	59.11	10.67
26 27 26 00-0110	EA	15/20 Amperes, 250 Volt Corrosion Resistant, Power Receptacles	115.94	13.33
26 27 26 00-0111	Tamper Resistant Receptacle (26 27 26 00-0026)			
26 27 26 00-0112	EA	15 Amperes, 125 Volt Duplex Tamper Resistant Receptacle	25.06	10.67
		Note: Pass & Seymour 3232-TR.		
26 27 26 00-0113	EA	20 Amperes, 125 Volt Duplex Tamper Resistant Receptacle	26.98	10.67
		Note: Pass & Seymour TR20.		
26 27 26 00-0114	EA	15 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle	32.48	10.67
		Note: Pass & Seymour TR5251.		
26 27 26 00-0115	EA	20 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle	35.06	10.67
		Note: Pass & Seymour TR5351.		
26 27 26 00-0116	EA	15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle	50.58	10.67
		Note: Pass & Seymour S1595-TR*CC8.		
26 27 26 00-0117	EA	15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle	54.28	10.67
		Note: Pass & Seymour 1595-TRS.		



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		Low-Voltage Distribution Equipment	26 27

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0118	EA	20 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour 2095-TRS.	57.81	10.67
26 27 26 00-0119		USB Charger/Duplex Tamper-Resistant Receptacles (26 27 26 00-0026)		
26 27 26 00-0120	EA	15 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	51.96	10.67
26 27 26 00-0121	EA	20 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	55.79	10.67
26 27 26 00-0122		Television Receptacle (26 27 26 00-0001)		
26 27 26 00-0123	EA	TV Receptacle With Cover (Type F), Complete.....	65.37	24.74
26 27 26 00-0124		Switches (26 27 26)		
26 27 26 00-0125		Switches (26 27 26 00-0124)		
26 27 26 00-0126		Switch Assemblies (26 27 26 00-0125) Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
26 27 26 00-0127	EA	1 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly.....	89.71	37.33
26 27 26 00-0137	EA	1 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly.....	96.49	40.53
26 27 26 00-0129	EA	2 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly.....	119.46	48.79
26 27 26 00-0130	EA	2 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly.....	130.90	54.13
26 27 26 00-0131	EA	3 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly.....	205.11	83.73
26 27 26 00-0132	EA	3 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly.....	222.29	91.73
26 27 26 00-0133	EA	4 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly.....	234.68	94.66
26 27 26 00-0134	EA	4 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly.....	257.58	105.32
26 27 26 00-0135		Switch Components (26 27 26 00-0125)		
26 27 26 00-0136	EA	15 Amperes, 120/277 Volt, SPST Switch.....	27.14	10.67
26 27 26 00-0137	EA	15 Amperes, 120/277 Volt, 3-Way Switch.....	34.30	13.33
26 27 26 00-0138	EA	15 Amperes, 120/277 Volt, 4-Way Switch.....	64.82	21.33
26 27 26 00-0139	EA	15 Amperes, 120/277 Volt, DPST Switch.....	30.52	10.67
26 27 26 00-0140	EA	15 Amperes, 120/277 Volt, Thermal Switch.....	55.55	13.33
26 27 26 00-0141	EA	20 Amperes, 120/277 Volt, SPST Switch.....	32.87	13.33
26 27 26 00-0142	EA	20 Amperes, 120/277 Volt, 3-Way Switch.....	40.48	16.00
26 27 26 00-0143	EA	20 Amperes, 120/277 Volt, 4-Way Switch.....	84.91	21.33
26 27 26 00-0144	EA	20 Amperes, 120/277 Volt, DPST Switch.....	38.29	13.33
26 27 26 00-0145	EA	20 Amperes, 120/277 Volt, DPDT Switch.....	40.69	13.33
26 27 26 00-0146	EA	15 Amperes, 120/277 Volt, Single Pole, Toggle, Three Position, Center Off, Momentary Contact Switch.....	59.13	13.36
26 27 26 00-0147	EA	15 Amperes, 120/277 Volt, Key Operated, Single Pole, Three Position, Center Off, Momentary Contact Switch.....	73.73	13.36
26 27 26 00-0148	EA	Momentary Contact Switch With Separate Neon Pilot Note: Neon Pilot is 125 V, 1 / 125W.	57.62	16.03
26 27 26 00-0149	EA	20 Amperes, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off..... Note: Or 250 VAC 10 Amp, double throw BAT handle.	49.36	18.67
26 27 26 00-0150	EA	20 Amperes, 125 Volt AC, Double Pole, Maintained Contact Switch..... Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	60.20	21.33
26 27 26 00-0151	EA	20 Amperes, 125 Volt AC, Three Pole, Maintained Contact Switch..... Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	84.96	21.33
26 27 26 00-0152	EA	30 Amperes, 120/277 Volt, Single Pole, Local Switch.....	61.24	21.37
26 27 26 00-0153	EA	30 Amperes, 120/277 Volt, Double Pole, Local Switch.....	74.36	21.37
26 27 26 00-0154	EA	30 Amperes, 120/277 Volt, Three-Way Local Switch.....	78.76	26.72
26 27 26 00-0155	EA	30 Amperes, 120/277 Volt, Four-Way Local Switch.....	108.16	29.39
26 27 26 00-0156	EA	15 Amperes, 120/277 Volt, Local Switch With Neon Pilot.....	56.52	17.48
26 27 26 00-0157	EA	15 Amperes, 120/277 Volt, Local Switch With Separate Neon Pilot..... Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.	76.53	17.48
26 27 26 00-0158	EA	15 Amperes, 120 Volt, Clear Toggle, Lighted In On Position, Single Pole, Lighted Toggle Switch.....	67.91	17.48
26 27 26 00-0159	EA	15 Amperes, 120 Volt, Ivory Toggle, Lighted In Off Position, Lighted Toggle Switch.....	64.93	17.48
26 27 26 00-0160	EA	6 Amperes, 125 Volt, Door Open-Light On, Automatic Door Switch.....	67.04	8.66
26 27 26 00-0161	EA	6 Amperes, 125 Volt, Door Closed-Light On, Automatic Door Switch.....	71.06	8.66
26 27 26 00-0162	EA	15 Amperes, 120/277 Volt, Three Position, Center Off, Toggle, Single Pole Momentary Contact Switch.....	79.11	33.34
26 27 26 00-0163	EA	Three Position, Center Off, Key Operated, Momentary Contact Switch..... Note: 15A, 120/277 V, Single Pole	93.71	33.34
26 27 26 00-0164	EA	Single Pole, Slide Dimmer (Leviton IP710-LFZ).....	107.63	10.69
26 27 26 00-0165	EA	8 Amperes, 120/277 Volt, 0 To 10 Volt Dimmer LED Control Switch, White (Lutron DVSTV-WH).....	93.54	10.69
26 27 26 00-0166	EA	120/277 Volt, (8 Amperes Lighting/3 Amperes Fan), Wireless Dimming Switch (Lutron MRF2-8S-DV-WH).....	178.52	10.67
26 27 26 00-0167	EA	120 Volt, Companion Wireless Dimmer Switch (Lutron MA-AS-WH).....	46.12	10.67
26 27 26 00-0168	EA	1200VA 0-10V LED And Fluorescent, Sunrise Electronic Wall Dimmer (Philips SR1200ZTUNV).....	100.22	10.69
26 27 26 00-0169	EA	1 Zone, 2 Button Wireless Scheduling Switch (LG 9SSA2B1T520.ALWB000).....	116.19	10.69
26 27 26 00-0170	EA	2 Zone, 4 Button Wireless Scheduling Switch (LG 9SSA2B2T520.ALWB000).....	151.04	10.69
26 27 26 00-0171	EA	Wireless Single Rocker Remote Switch (Leviton WSS0S-S9).....	110.66	10.69
26 27 26 00-0172		Specialty Switches (26 27 26 00-0124)		
26 27 26 00-0173		Dimmers With SPST Switch (26 27 26 00-0172)		
26 27 26 00-0174	EA	600 Watt Dimmers With SPST Switch.....	60.55	24.00
26 27 26 00-0175	EA	1,000 Watt Dimmers With SPST Switch.....	99.73	24.00
26 27 26 00-0176	EA	1,500 Watt Dimmers With SPST Switch.....	178.45	38.61
26 27 26 00-0177	EA	2,000 Watt Dimmers With SPST Switch.....	228.44	38.61

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0178 EA 600 Watt Fluorescent Dimmer Switch	128.98	28.48
26 27 26 00-0179 EA 1,000 Watt Fluorescent Dimmer Switch	172.00	28.48
26 27 26 00-0180 EA 1,500 Watt Fluorescent Dimmer Switch	309.12	42.99
26 27 26 00-0181 EA Remote Speed Switch For Paddle Fan	98.73	35.52
26 27 26 00-0182 EA 600 Watt Combination Remote Speed Switch/Incandescent Dimmer	161.39	53.01
26 27 26 00-0183 Time Switches (26 27 26 00-0172)		
26 27 26 00-0184 EA 40 Amperes, 125 Volt, SPST, Standard Time Switch	109.26	32.00
26 27 26 00-0185 EA 40 Amperes, 277 Volt, SPST, Standard Time Switch	111.52	32.00
26 27 26 00-0186 EA 40 Amperes, 125 Volt, DPST, Standard Time Switch	109.26	32.00
26 27 26 00-0187 EA 40 Amperes, 277 Volt, DPST, Standard Time Switch	111.52	32.00
26 27 26 00-0188 EA 40 Amperes, 125 Volt, SPST, 7-Day Time Switch	124.35	32.00
26 27 26 00-0189 EA 40 Amperes, 277 Volt, SPST, 7-Day Time Switch	124.35	32.00
26 27 26 00-0190 EA 40 Amperes, 125 Volt, DPDT, 7-Day Time Switch	213.36	32.00
26 27 26 00-0191 EA 40 Amperes, 277 Volt, DPDT, 7-Day Time Switch	213.36	32.00
26 27 26 00-0192 EA 20 Amperes, 125 Volt, SPST, Programmable Time Switch	184.80	32.00
26 27 26 00-0193 EA 20 Amperes, 277 Volt, SPST, Programmable Time Switch	202.24	32.00
26 27 26 00-0194 EA 20 Amperes, 277 Volt, SPST, Weatherproof Programmable Time Switch	202.24	32.00
26 27 26 00-0195 EA 40 Amperes, 125 Volt, 4PST, Astro Dial Time Switch	243.46	32.00
26 27 26 00-0196 EA 40 Amperes, 277 Volt, 4PST, Astro Dial Time Switch	250.40	32.00
26 27 26 00-0197 EA 40 Amperes, 125 Volt, SPST, Weatherproof Standard Time Switch	109.26	32.00
26 27 26 00-0198 EA 40 Amperes, 277 Volt, SPST, Weatherproof Standard Time Switch	111.52	32.00
26 27 26 00-0199 EA 40 Amperes, 125 Volt, DPST, Weatherproof Standard Time Switch	109.26	32.00
26 27 26 00-0200 EA 40 Amperes, 277 Volt, DPST, Weatherproof Standard Time Switch	111.52	32.00
26 27 26 00-0201 EA 40 Amperes, 125 Volt, SPST, Weatherproof 7-Day Time Switch	124.35	32.00
26 27 26 00-0202 EA 40 Amperes, 277 Volt, SPST, Weatherproof 7-Day Time Switch	124.35	32.00
26 27 26 00-0203 EA 40 Amperes, 125 Volt, DPDT, Weatherproof 7-Day Time Switch	213.36	32.00
26 27 26 00-0204 EA 40 Amperes, 277 Volt, DPDT, Weatherproof 7-Day Time Switch	213.36	32.00
26 27 26 00-0205 EA 40 Amperes, 125 Volt, 4PST, Weatherproof Astro Dial Time Switch	243.46	32.00
26 27 26 00-0206 EA 40 Amperes, 277 Volt, 4PST, Weatherproof Astro Dial Time Switch	250.40	32.00
26 27 26 00-0207 Low Voltage Switching (26 27 26 00-0172)		
26 27 26 00-0208 EA 36 Pin Male Or Female Connector	167.66	10.67
26 27 26 00-0209 Other Switches (26 27 26 00-0172)		
26 27 26 00-0210 EA Pull Chain Switch 120/277 Volt AC Installed In Light Fixture	34.80	16.00
26 27 26 00-0211 EA SPST Locking Switch For Concealed Devices	104.76	42.67
26 27 26 00-0212 EA 3-Way Locking Switch For Concealed Devices	105.99	42.67
26 27 26 00-0213 EA Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard	114.28	39.89
26 27 26 00-0214 EA 15 Amperes Momentary Contact Switch	109.33	39.89
26 27 26 00-0215 EA 20 Amperes Momentary Contact Switch	114.54	39.89
26 27 26 00-0216 EA 2-1/4" Handy Box Cover Units Fuseholder Switch	110.68	48.09
26 27 26 00-0217 EA 2-3/4" Handy Box Cover Units Fuseholder Switch	112.14	48.09
26 27 26 00-0218 EA 4" Square Box Cover Units With 2 Fuseholders And 2 Switches	137.86	58.78
26 27 26 00-0219 EA 4" Square Box Cover Units With 1 Fuseholder And 1 Switch	125.36	53.43
26 27 26 00-0220 EA 4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch	125.72	53.43
26 27 26 00-0221 Plates And Covers (26 27 26)		
26 27 26 00-0222 Wall Plates (26 27 26 00-0221)		
26 27 26 00-0223 Nylon Wall Plates (26 27 26 00-0222)		
26 27 26 00-0224 EA 1 Gang Nylon Switch Plate	1.54	0.53
26 27 26 00-0225 EA 2 Gang Nylon Switch Plate	2.57	0.80
26 27 26 00-0226 EA 3 Gang Nylon Switch Plate	3.61	1.06
26 27 26 00-0227 EA 4 Gang Nylon Switch Plate	5.10	1.34
26 27 26 00-0228 EA 1 Gang Duplex Nylon Wall Plate	1.55	0.53
26 27 26 00-0229 EA 2 Gang Duplex Nylon Wall Plate	2.62	0.80
26 27 26 00-0230 Plastic Wall Plates (26 27 26 00-0222)		
26 27 26 00-0231 EA 1 Gang Plastic Switch Plate	1.44	0.53
26 27 26 00-0232 EA 2 Gang Plastic Switch Plate	2.38	0.80
26 27 26 00-0233 EA 3 Gang Plastic Switch Plate	3.30	1.06
26 27 26 00-0234 EA 4 Gang Plastic Switch Plate	5.10	1.34
26 27 26 00-0235 EA 1 Gang Duplex Plastic Wall Plate	1.44	0.53
26 27 26 00-0236 EA 2 Gang Duplex Plastic Wall Plate	2.38	0.80
26 27 26 00-0237 Brass Wall Plates (26 27 26 00-0222)		
26 27 26 00-0238 EA 1 Gang, 0.04" Brass Switch Plate	13.82	2.40
26 27 26 00-0239 EA 2 Gang, 0.04" Brass Switch Plate	25.10	2.78
26 27 26 00-0240 EA 3 Gang, 0.04" Brass Switch Plate	36.29	3.10
26 27 26 00-0241 EA 4 Gang, 0.04" Brass Switch Plate	55.79	3.36
26 27 26 00-0242 EA 5 Gang, 0.04" Brass Switch Plate	67.72	3.58
26 27 26 00-0243 EA 6 Gang, 0.04" Brass Switch Plate	78.20	3.74



		Electrical	26	26
		Low-Voltage Electrical Distribution	26 20	
		Low-Voltage Distribution Equipment	26 27	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0244 EA 1 Gang, 0.04" Brass Duplex Receptacle Wall Plate.....	13.82	2.40
26 27 26 00-0245 EA 2 Gang, 0.04" Brass Duplex Receptacle Wall Plate.....	29.20	2.78
26 27 26 00-0246 EA 3 Gang 0.04" Brass Duplex Receptacle Wall Plate.....	41.70	3.10
26 27 26 00-0247 Stainless Steel Wall Plates (26 27 26 00-0222)		
26 27 26 00-0248 EA 1 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	7.90	2.40
26 27 26 00-0249 EA 2 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	12.16	2.78
26 27 26 00-0250 EA 3 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	16.65	3.10
26 27 26 00-0251 EA 4 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	23.88	3.36
26 27 26 00-0252 EA 5 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	27.96	3.58
26 27 26 00-0253 EA 6 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	33.55	3.74
26 27 26 00-0254 EA 1 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish.....	8.55	2.40
26 27 26 00-0255 EA 2 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish.....	13.70	2.78
26 27 26 00-0256 EA 3 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish.....	21.72	3.10
26 27 26 00-0257 EA 4 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish.....	26.09	3.36
26 27 26 00-0258 Chrome Wall Plates (26 27 26 00-0222)		
26 27 26 00-0259 EA 1 Gang, 0.040" Chrome Switch Plate With Chromium Finish.....	26.56	2.40
26 27 26 00-0260 EA 2 Gang 0.040" Chrome Switch Plate With Chromium Finish.....	48.98	2.78
26 27 26 00-0261 EA 3 Gang 0.040" Chrome Switch Plate With Chromium Finish.....	71.36	3.10
26 27 26 00-0262 EA 1 Gang 0.040" Chrome Duplex Receptacle Wall Plate With Chromium Finish.....	26.54	2.40
26 27 26 00-0263 Weatherproof Covers (26 27 26 00-0221)		
26 27 26 00-0264 Stamped Metallic Weatherproof Covers (26 27 26 00-0263)		
Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0265 EA Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC).....	9.66	0.53
26 27 26 00-0266 EA Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC).....	10.46	0.53
26 27 26 00-0267 EA Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC).....	10.46	0.53
26 27 26 00-0268 EA Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC).....	10.46	0.53
26 27 26 00-0269 EA Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC).....	12.87	0.80
26 27 26 00-0270 EA Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC).....	14.59	0.80
26 27 26 00-0271 EA Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC).....	14.76	0.80
26 27 26 00-0272 EA Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC).....	14.76	0.80
26 27 26 00-0273 EA Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC).....	20.00	0.80
26 27 26 00-0274 EA Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB).....	19.02	1.06
26 27 26 00-0275 EA Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT).....	20.77	1.06
26 27 26 00-0276 Cast Metallic Weatherproof Covers (26 27 26 00-0263)		
Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0277 EA Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC).....	11.80	0.53
26 27 26 00-0278 EA Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA).....	37.44	0.53
26 27 26 00-0279 EA Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR).....	41.97	0.53
26 27 26 00-0280 EA Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG).....	11.71	0.53
26 27 26 00-0281 EA Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT).....	31.75	0.53
26 27 26 00-0282 EA Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT).....	52.74	0.53
26 27 26 00-0283 EA Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST).....	67.12	0.53
26 27 26 00-0284 EA Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC).....	14.76	0.80
26 27 26 00-0285 EA Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST).....	106.04	0.80
26 27 26 00-0286 EA Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC).....	24.64	1.06
26 27 26 00-0287 EA Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST).....	101.36	1.06
26 27 26 00-0288 Die Cast Aluminum Weatherproof Covers (26 27 26 00-0263)		
Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0289 EA Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027).....	4.09	0.53
26 27 26 00-0290 EA Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026).....	5.20	0.53
26 27 26 00-0291 EA Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032).....	7.02	0.80
26 27 26 00-0292 EA Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041).....	7.60	0.80
26 27 26 00-0293 EA Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042).....	7.60	0.80
26 27 26 00-0294 EA Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043).....	8.43	0.80
26 27 26 00-0295 Heavy Duty Die Cast Aluminum Weatherproof Covers (26 27 26 00-0263)		
Note: Includes baked on lacquer finish and neoprene gasket.		
26 27 26 00-0296 EA Duplex Receptacle, Single Gang, Heavy Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510).....	40.19	0.53
26 27 26 00-0297 Polycarbonate Weatherproof Covers (26 27 26 00-0263)		
Note: Includes neoprene gasket.		
26 27 26 00-0298 EA Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	8.23	0.53
26 27 26 00-0299 EA Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	8.23	0.53
26 27 26 00-0300 EA Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	8.23	0.53
26 27 26 00-0301 EA Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775).....	10.25	0.80

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0302	EA	Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775).....		10.25	0.80
26 27 26 00-0303		High Impact Thermoplastic Weatherproof Covers (26 27 26 00-0263)			
Note: Includes neoprene gasket.					
26 27 26 00-0304	EA	Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522).....		58.94	0.53
26 27 26 00-0305		Non Metallic (PVC) Weatherproof Covers (26 27 26 00-0263)			
Note: Includes neoprene gasket.					
26 27 26 00-0306	EA	Blank Cover, Single Gang, Non Metallic (PVC) Weatherproof Cover	11.46		0.53
26 27 26 00-0307	EA	Blank Cover, Two Gang, Non Metallic (PVC) Weatherproof Cover.....	12.31		0.80
26 27 26 00-0308	EA	Toggle Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover	11.50		0.53
26 27 26 00-0309	EA	Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover	25.37		0.53
26 27 26 00-0310	EA	Duplex Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	29.41		0.53
26 27 26 00-0311	EA	20 Amperes, Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	23.84		0.53
26 27 26 00-0312	EA	30 Amperes, Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	17.76		0.53
26 27 26 00-0313	EA	50 Amperes, Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	20.79		0.53
26 27 26 00-0314	EA	Plunger Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover	18.58		0.53
26 27 26 00-0315	EA	Double Duplex Receptacle, Two Gang, Non Metallic (PVC) Weatherproof Cover.....	26.77		0.80
26 27 26 00-0316		Removal And Reinstallation Of Wiring Devices (26 27 26)			
Note: Includes storage and cleaning.					
26 27 26 00-0317	EA	Removal And Reinstallation Of Receptacle, Switch, Outlet Or Special System Device.....	70.18		
26 27 26 00-0318	EA	Removal And Reinstallation Of Receptacle Or Switch Outlet Cover Plate.....	8.89		
26 27 26 00-0319		In Line Midget Fuseholders (26 27 26)			
See CSI section 26 28 13 00-0078 for fuses.					
26 27 26 00-0320	EA	Single Pole Water Resistant In Line Midget Fuseholder	69.04		
26 27 26 00-0321	EA	Double Pole Water Resistant In Line Midget Fuseholder.....	146.13		
26 27 26 00-0322		Relay Systems (26 27 26)			
26 27 26 00-0323	EA	10 Amperes, 24 Volt Coil, 2 Position Relay.....	74.15		24.00
26 27 26 00-0324	EA	20 Amperes, 120 Volt Coil, Up To 4 Contacts, Industrial Control Relay.....	300.70		79.99
26 27 26 00-0325	EA	20 Amperes, 120 Volt Coil, 12 Contacts, Industrial Control Relay	494.98		106.66
26 27 26 00-0326		Limit Switches (26 27 26)			
26 27 26 00-0327		Heavy Duty Precision Oiltight (26 27 26 00-0326)			
26 27 26 00-0328		Lever Arm, Plunger, Wobble Stick Type (26 27 26 00-0327)			
26 27 26 00-0329	EA	Limit Switch, Heavy Duty, Lever Arm Weatherproof, 10 Amperes Rated.....	397.14		67.20
26 27 33		Power Distribution Units (26 27)			
Note: Includes wiring connections and testing.					
26 27 33 00-0001		Liebert Precision Power Center (26 27 33)			
Note: With K20 Trans Spike Suppression Modules Lighting/ Surge Arrestors. Includes start-up.					
26 27 33 00-0002	EA	PDU 15 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC015C).....	13,748.27		327.98
26 27 33 00-0003	EA	PDU 30 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC030C).....	16,581.69		355.50
26 27 33 00-0004	EA	PDU 50 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC050C).....	18,892.55		394.64
26 27 33 00-0005	EA	PDU 75 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC075C).....	21,724.76		426.64
26 27 33 00-0006	EA	PDU 100 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC100C).....	23,737.36		533.30
26 27 33 00-0007	EA	PDU 125 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC125C).....	26,649.57		639.97
26 27 33 00-0008	EA	PDU 150 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC150C).....	30,752.48		746.63
26 27 33 00-0009	EA	PDU 200 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC200C)	32,368.17		853.28
26 27 33 00-0010	EA	PDU 225 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC225C)	34,222.00		959.95
26 27 33 00-0011	EA	Ex Panelboard 10-30 KVA	1,255.85		106.66
26 27 33 00-0012	EA	Ex Panelboard 50-125 KVA	1,864.82		133.32
26 27 33 00-0013	EA	Ex Panelboard 150-220 KVA	4,140.77		159.99
26 27 33 00-0014	EA	Removal And Reinstallation Of Power Distribution Unit	1,706.57		
Note: Includes disconnection / reconnection of branch circuits, storage and cleaning.					
26 27 33 00-0015	EA	Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only	1,279.93		
26 27 73		Door Chimes (26 27)			
26 27 73 00-0001		Door Bell Chime And Door Button With Built-In Viewer (26 27 73)			
Note: Non-electric chime, mounted on door					
26 27 73 00-0002	EA	Mechanical Door Bell Chime And Door Button With Built-In Viewer (Newhouse Hardware MCHBV).....	60.79		13.94
26 27 73 00-0003		Wireless Door Bell System (26 27 73)			
26 27 73 00-0004	EA	Wireless Doorbell Chime And Push Button (Broan LA542WH).....	104.79		
Note: Includes 2 push buttons					



Electrical			26
Low-Voltage Electrical Distribution			26 20
Low-Voltage Distribution Equipment			26 27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 73 00-0005	EA	Wireless Doorbell Chime And Push Button (STI-3350G)..... Note: Includes 2 push buttons	99.48	
26 27 73 00-0006	EA	Wireless Doorbell Chime And Push Button (GE 19300)..... Note: Includes 2 push buttons	77.76	
26 27 73 00-0007 Door Bell Buzzer System, Wired (26 27 73)				
26 27 73 00-0008	EA	Door Bell, Push-Button And Transformer, Complete.....	566.69	222.18
26 27 73 00-0009	EA	Visual Flashing Doorbell Indicator, Wire To Existing System, Complete.....	221.46	53.33
26 27 73 00-0010	EA	Removal And Replacement Of Bell/Buzzer, Complete..... Note: Includes removal of existing.	91.05	26.67
26 28 Low-Voltage Circuit Protective Devices (26 20)				
26 28 13 Fuses (26 28)				
26 28 13 00-0001 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses (26 28 13)				
26 28 13 00-0002	EA	1 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.39 5.12	7.68
26 28 13 00-0003	EA	2 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.96 5.12	7.68
26 28 13 00-0004	EA	3 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.39 5.12	7.68
26 28 13 00-0005	EA	5 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.30 5.12	7.68
26 28 13 00-0006	EA	6 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.84 5.12	7.68
26 28 13 00-0007	EA	8 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.79 5.12	7.68
26 28 13 00-0008	EA	10 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.54 5.12	7.68
26 28 13 00-0009	EA	15 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.49 5.12	7.68
26 28 13 00-0010	EA	20 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.18 5.12	7.68
26 28 13 00-0011	EA	25 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.77 5.12	7.68
26 28 13 00-0012	EA	30 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.36 5.12	7.68
26 28 13 00-0013 Class RK1, Time Delay Fuses (26 28 13)				
26 28 13 00-0014 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses (26 28 13 00-0013)				
26 28 13 00-0015	EA	1 Ampere, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.49 5.12	7.68
26 28 13 00-0016	EA	2 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.63 5.12	7.68
26 28 13 00-0017	EA	3 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.92 5.12	7.68
26 28 13 00-0018	EA	4 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.76 5.12	7.68
26 28 13 00-0019	EA	5 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.46 5.12	7.68
26 28 13 00-0020	EA	10 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.68 5.12	7.68
26 28 13 00-0021	EA	15 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.63 5.12	7.68
26 28 13 00-0022	EA	20 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.47 5.12	7.68
26 28 13 00-0023	EA	25 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.64 5.12	7.68
26 28 13 00-0024	EA	30 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.43 5.12	7.68
26 28 13 00-0025	EA	35 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.18 5.12	7.68
26 28 13 00-0026	EA	40 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.56 5.12	7.68
26 28 13 00-0027	EA	45 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.03 5.12	7.68
26 28 13 00-0028	EA	50 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.64 5.12	7.68
26 28 13 00-0029	EA	60 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.08 5.12	7.68
26 28 13 00-0030 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuses (26 28 13 00-0013)				
26 28 13 00-0031	EA	70 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	62.59 6.40	9.60
26 28 13 00-0032	EA	80 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	62.28 6.40	9.60



		Electrical	26	26
		Low-Voltage Electrical Distribution	26 20	
		Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0073	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	400.58 10.56	15.89
26 28 13 00-0074	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	363.85 10.56	15.89
26 28 13 00-0075	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	645.85 10.56	15.89
26 28 13 00-0076	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	578.46 12.80	19.20
26 28 13 00-0077	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	506.02 12.80	19.20
26 28 13 00-0078 600 Volt AC, Class CC Midget Fuses ^(26 28 13) Note: 250/300 Volt DC.				
26 28 13 00-0079	EA	1 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.72 5.12	7.68
26 28 13 00-0080	EA	2 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.21 5.12	7.68
26 28 13 00-0081	EA	3 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.07 5.12	7.68
26 28 13 00-0082	EA	5 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.91 5.12	7.68
26 28 13 00-0083	EA	6 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.24 5.12	7.68
26 28 13 00-0084	EA	8 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.52 5.12	7.68
26 28 13 00-0085	EA	10 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.89 5.12	7.68
26 28 13 00-0086	EA	15 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.93 5.12	7.68
26 28 13 00-0087	EA	20 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.32 5.12	7.68
26 28 13 00-0088	EA	25 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.93 5.12	7.68
26 28 13 00-0089	EA	30 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.11 5.12	7.68
26 28 13 00-0090 200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse ^(26 28 13)				
26 28 13 00-0091	EA	1 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.39 3.20	5.33
26 28 13 00-0092	EA	3 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.71 3.20	5.33
26 28 13 00-0093	EA	6 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.50 3.84	6.40
26 28 13 00-0094	EA	10 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.11 4.80	8.00
26 28 13 00-0095	EA	15 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.88 4.80	8.00
26 28 13 00-0096	EA	20 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.19 4.80	8.00
26 28 13 00-0097	EA	25 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.44 6.40	10.67
26 28 13 00-0098	EA	30 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.70 6.40	10.67
26 28 13 00-0099	EA	35 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.58 6.40	10.67
26 28 13 00-0100	EA	40 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.63 6.40	10.67
26 28 13 00-0101	EA	45 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.05 6.40	10.67
26 28 13 00-0102	EA	50 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.95 8.00	13.33
26 28 13 00-0103	EA	60 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.88 8.00	13.33
26 28 13 00-0104	EA	70 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.91 9.60	16.00
26 28 13 00-0105	EA	80 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102.82 9.60	16.00
26 28 13 00-0106	EA	90 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.31 9.60	16.00
26 28 13 00-0107	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.98 11.20	18.67
26 28 13 00-0108	EA	110 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	201.10 11.20	18.67
26 28 13 00-0109	EA	125 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	172.24 11.20	18.67
26 28 13 00-0110	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	165.93 12.80	21.33
26 28 13 00-0111	EA	175 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.23 12.80	21.33
26 28 13 00-0112	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	141.38 12.80	21.33

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0113	EA	225 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	342.12	21.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.80	
26 28 13 00-0114	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	317.07	21.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.80	
26 28 13 00-0115	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	292.96	21.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.80	
26 28 13 00-0116	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	318.62	21.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.80	
26 28 13 00-0117	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	266.08	24.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.40	
26 28 13 00-0118	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	552.35	24.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.40	
26 28 13 00-0119	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	471.82	26.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.00	
26 28 13 00-0120	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	354.21	26.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.00	
26 28 13 00-0121		600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses ^(26 28 13)		
26 28 13 00-0122	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,041.29	13.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.00	
26 28 13 00-0123	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,043.33	13.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.00	
26 28 13 00-0124	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,045.24	13.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.00	
26 28 13 00-0125	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,043.25	16.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.60	
26 28 13 00-0126	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	961.46	16.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.60	
26 28 13 00-0127	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,029.56	18.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.20	
26 28 13 00-0128	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	948.36	18.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.20	
26 28 13 00-0129	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,059.56	18.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.20	
26 28 13 00-0130	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,039.07	18.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.20	
26 28 13 00-0131	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	926.63	21.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.80	
26 28 13 00-0132	EA	601 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	951.28	21.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.80	
26 28 13 00-0133	EA	650 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,261.03	21.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.80	
26 28 13 00-0134	EA	700 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	922.17	21.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.80	
26 28 13 00-0135	EA	750 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,411.43	24.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.40	
26 28 13 00-0136	EA	800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	818.34	24.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.40	
26 28 13 00-0137	EA	900 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,189.18	24.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.40	
26 28 13 00-0138	EA	1,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	804.79	24.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.40	
26 28 13 00-0139	EA	1,200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	828.36	24.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.40	
26 28 13 00-0140	EA	1,350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,825.93	24.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.40	
26 28 13 00-0141	EA	1,400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,800.46	24.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.40	
26 28 13 00-0142	EA	1,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,625.67	24.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.40	
26 28 13 00-0143	EA	1,600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,021.88	26.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.00	
26 28 13 00-0144	EA	1,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,149.80	26.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.00	
26 28 13 00-0145	EA	2,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,381.40	26.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.00	
26 28 13 00-0146	EA	2,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,862.43	26.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.00	
26 28 13 00-0147	EA	2,501 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,162.70	26.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.00	
26 28 13 00-0148	EA	3,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,076.01	29.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.60	
26 28 13 00-0149	EA	3,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	4,276.34	29.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.60	
26 28 13 00-0150	EA	3,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	4,959.51	29.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.60	
26 28 13 00-0151	EA	4,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,874.43	29.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.60	
26 28 13 00-0152	EA	5,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	4,527.19	29.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.60	
26 28 13 00-0153	EA	6,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	7,483.96	29.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.60	



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Low-Voltage Circuit Protective Devices		26 28	

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 Enclosed Switches and Circuit Breakers (26 28)			
26 28 16 13 Enclosed Circuit Breakers (26 28 16)			
26 28 16 13-0001 Branch Circuit Breakers (26 28 16 13)			
Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.			
26 28 16 13-0002 Branch Circuit Breakers 10,000 Amperes Interrupting Capacity, Plug-On (26 28 16 13-0001)			
Note: Includes connection of electrical wire.			
26 28 16 13-0003	EA 1 Pole, 120/240 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	49.42	19.20
	For Bolt-On, Add	13.64	
	For Installation In New Panelboard, Deduct	-10.67	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.80	
26 28 16 13-0004	EA 1 Pole, 120/240 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	49.42	19.20
	For Bolt-On, Add	13.64	
	For Installation In New Panelboard, Deduct	-10.67	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.80	
26 28 16 13-0005	EA 1 Pole, 120/240 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	68.90	24.00
	For Bolt-On, Add	17.95	
	For Installation In New Panelboard, Deduct	-13.33	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.00	
26 28 16 13-0006	EA 1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	95.67	24.00
	For Bolt-On, Add	21.29	
	For Installation In New Panelboard, Deduct	-13.33	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.00	
26 28 16 13-0007	EA 1 Pole GFI, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	126.28	24.00
	For Bolt-On, Add	25.12	
	For Installation In New Panelboard, Deduct	-13.33	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.00	
26 28 16 13-0008	EA 1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	143.73	24.00
	For Bolt-On, Add	27.30	
	For Installation In New Panelboard, Deduct	-13.33	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.00	
26 28 16 13-0009	EA 1 Pole GFI, 15 To 20 Amperes, 120/240 Volt, "Arc Fault" Circuit Breaker, 10,000 Amperes Interrupting Capacity	78.81	24.00
	For Bolt-On, Add	19.18	
	For Installation In New Panelboard, Deduct	-13.33	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.00	
26 28 16 13-0010	EA 2 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	79.57	28.80
	For Bolt-On, Add	21.15	
	For Installation In New Panelboard, Deduct	-16.00	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.20	
26 28 16 13-0011	EA 2 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	79.57	28.80
	For Bolt-On, Add	21.15	
	For Installation In New Panelboard, Deduct	-16.00	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.20	
26 28 16 13-0012	EA 2 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	116.46	38.40
	For Bolt-On, Add	29.49	
	For Installation In New Panelboard, Deduct	-21.33	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.60	
26 28 16 13-0013	EA 2 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	181.93	48.00
	For Bolt-On, Add	41.41	
	For Installation In New Panelboard, Deduct	-26.67	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.00	
26 28 16 13-0014	EA 2 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	211.79	53.33
	For Bolt-On, Add	47.00	
	For Installation In New Panelboard, Deduct	-29.33	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.20	
26 28 16 13-0015	EA 2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	172.41	34.14
	For Bolt-On, Add	34.99	
	For Installation In New Panelboard, Deduct	-19.20	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.04	
26 28 16 13-0016	EA 2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	222.48	34.14
	For Bolt-On, Add	41.25	
	For Installation In New Panelboard, Deduct	-19.20	
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.04	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0017 EA 3 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....139.82		38.40
For Bolt-On, Add	32.41	
For Installation In New Panelboard, Deduct	-21.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.60	
26 28 16 13-0018 EA 3 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....139.82		38.40
For Bolt-On, Add	32.41	
For Installation In New Panelboard, Deduct	-21.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.60	
26 28 16 13-0019 EA 3 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....181.63		48.00
For Bolt-On, Add	41.37	
For Installation In New Panelboard, Deduct	-26.67	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.00	
26 28 16 13-0020 EA 3 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....264.20		57.59
For Bolt-On, Add	55.42	
For Installation In New Panelboard, Deduct	-32.00	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.40	
26 28 16 13-0021 EA 3 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....332.65		67.20
For Bolt-On, Add	67.71	
For Installation In New Panelboard, Deduct	-37.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.80	
26 28 16 13-0022 Branch Circuit Breakers 14,000 Amperes Interrupting Capacity, Plug-On <small>(26 28 16 13-0001)</small>		
Note: Includes connection of electrical wire.		
26 28 16 13-0023 EA 1 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....65.28		19.20
For Bolt-On, Add	15.63	
For Installation In New Panelboard, Deduct	-10.67	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.80	
26 28 16 13-0024 EA 1 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....65.28		19.20
For Bolt-On, Add	15.63	
For Installation In New Panelboard, Deduct	-10.67	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.80	
26 28 16 13-0025 EA 1 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....109.45		24.00
For Bolt-On, Add	23.01	
For Installation In New Panelboard, Deduct	-13.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.00	
26 28 16 13-0026 EA 1 Pole GFI, 277/480 Volt, 15 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....160.91		24.00
For Bolt-On, Add	29.45	
For Installation In New Panelboard, Deduct	-13.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.00	
26 28 16 13-0027 EA 2 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....121.33		28.80
For Bolt-On, Add	26.37	
For Installation In New Panelboard, Deduct	-16.00	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.20	
26 28 16 13-0028 EA 2 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....121.33		28.80
For Bolt-On, Add	26.37	
For Installation In New Panelboard, Deduct	-16.00	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.20	
26 28 16 13-0029 EA 2 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....226.17		38.40
For Bolt-On, Add	43.20	
For Installation In New Panelboard, Deduct	-21.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.60	
26 28 16 13-0030 EA 2 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....305.13		48.00
For Bolt-On, Add	56.81	
For Installation In New Panelboard, Deduct	-26.67	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.00	
26 28 16 13-0031 EA 2 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....436.03		53.33
For Bolt-On, Add	75.03	
For Installation In New Panelboard, Deduct	-29.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.20	
26 28 16 13-0032 EA 3 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....188.26		38.40
For Bolt-On, Add	38.46	
For Installation In New Panelboard, Deduct	-21.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.60	
26 28 16 13-0033 EA 3 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....188.26		38.40
For Bolt-On, Add	38.46	
For Installation In New Panelboard, Deduct	-21.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.60	



		Electrical	26	26
		Low-Voltage Electrical Distribution	26 20	
		Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0034	EA	3 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	275.00	48.00
		For Bolt-On, Add	53.04	
		For Installation In New Panelboard, Deduct	-26.67	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.00	
26 28 16 13-0035	EA	3 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	383.80	57.59
		For Bolt-On, Add	70.37	
		For Installation In New Panelboard, Deduct	-32.00	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.40	
26 28 16 13-0036	EA	3 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	578.99	67.20
		For Bolt-On, Add	98.51	
		For Installation In New Panelboard, Deduct	-37.33	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.80	
26 28 16 13-0037	EA	3 Pole, 277/480 Volt, 175 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	664.29	72.00
		For Bolt-On, Add	111.03	
		For Installation In New Panelboard, Deduct	-40.00	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.00	
26 28 16 13-0038	EA	3 Pole, 277/480 Volt, 200 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	713.28	76.79
		For Bolt-On, Add	119.03	
		For Installation In New Panelboard, Deduct	-42.67	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.20	
26 28 16 13-0039	EA	3 Pole, 277/480 Volt, 225 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	837.59	81.59
		For Bolt-On, Add	136.43	
		For Installation In New Panelboard, Deduct	-45.33	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	54.40	
26 28 16 13-0040		Branch Circuit Breakers 18,000 Amperes Interrupting Capacity, Plug-On (26 28		
		16 13-0001)		
		Note: Includes connection of electrical wire.		
26 28 16 13-0041	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	75.70	19.20
		For Bolt-On, Add	16.93	
		For Installation In New Panelboard, Deduct	-10.67	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.80	
26 28 16 13-0042	EA	35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	75.70	19.20
		For Bolt-On, Add	16.93	
		For Installation In New Panelboard, Deduct	-10.67	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.80	
26 28 16 13-0043	EA	70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	119.74	24.00
		For Bolt-On, Add	24.30	
		For Installation In New Panelboard, Deduct	-13.33	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.00	
26 28 16 13-0044	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	148.49	28.80
		For Bolt-On, Add	29.76	
		For Installation In New Panelboard, Deduct	-16.00	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.20	
26 28 16 13-0045	EA	35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	148.49	28.80
		For Bolt-On, Add	29.76	
		For Installation In New Panelboard, Deduct	-16.00	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.20	
26 28 16 13-0046	EA	70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	252.22	38.40
		For Bolt-On, Add	46.46	
		For Installation In New Panelboard, Deduct	-21.33	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.60	
26 28 16 13-0047	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	612.22	48.00
		For Bolt-On, Add	95.19	
		For Installation In New Panelboard, Deduct	-26.67	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.00	
26 28 16 13-0048	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	233.09	38.40
		For Bolt-On, Add	44.07	
		For Installation In New Panelboard, Deduct	-21.33	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.60	
26 28 16 13-0049	EA	35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	233.09	38.40
		For Bolt-On, Add	44.07	
		For Installation In New Panelboard, Deduct	-21.33	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.60	
26 28 16 13-0050	EA	70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	307.63	48.00
		For Bolt-On, Add	57.12	
		For Installation In New Panelboard, Deduct	-26.67	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.00	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0051 EA 110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	756.64	57.59
For Bolt-On, Add	116.98	
For Installation In New Panelboard, Deduct	-32.00	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.40	
26 28 16 13-0052 Branch Circuit Breakers 22,000 Amperes Interrupting Capacity, Plug-On <small>(26 28 16 13-0001)</small>		
Note: Includes connection of electrical wire.		
26 28 16 13-0053 EA 15 To 30 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	84.55	19.20
For Bolt-On, Add	18.04	
For Installation In New Panelboard, Deduct	-10.67	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.80	
26 28 16 13-0054 EA 35 To 60 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	84.55	19.20
For Bolt-On, Add	18.04	
For Installation In New Panelboard, Deduct	-10.67	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.80	
26 28 16 13-0055 EA 70 To 100 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	100.59	24.00
For Bolt-On, Add	21.91	
For Installation In New Panelboard, Deduct	-13.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.00	
26 28 16 13-0056 EA 15 To 30 Amperes, 1 Pole GFI, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	159.73	24.00
For Bolt-On, Add	29.30	
For Installation In New Panelboard, Deduct	-13.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.00	
26 28 16 13-0057 EA 15 To 30 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	171.58	28.80
For Bolt-On, Add	32.65	
For Installation In New Panelboard, Deduct	-16.00	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.20	
26 28 16 13-0058 EA 35 To 60 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	171.58	28.80
For Bolt-On, Add	32.65	
For Installation In New Panelboard, Deduct	-16.00	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.20	
26 28 16 13-0059 EA 70 To 100 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	210.38	38.40
For Bolt-On, Add	41.23	
For Installation In New Panelboard, Deduct	-21.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.60	
26 28 16 13-0060 EA 110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	298.39	48.00
For Bolt-On, Add	55.96	
For Installation In New Panelboard, Deduct	-26.67	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.00	
26 28 16 13-0061 EA 150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	379.74	53.33
For Bolt-On, Add	68.00	
For Installation In New Panelboard, Deduct	-29.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.20	
26 28 16 13-0062 EA 250 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	471.78	62.40
For Bolt-On, Add	83.24	
For Installation In New Panelboard, Deduct	-34.67	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.60	
26 28 16 13-0063 EA 300 To 400 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	512.13	72.00
For Bolt-On, Add	92.01	
For Installation In New Panelboard, Deduct	-40.00	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.00	
26 28 16 13-0064 EA 15 To 30 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	210.77	38.40
For Bolt-On, Add	41.28	
For Installation In New Panelboard, Deduct	-21.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.60	
26 28 16 13-0065 EA 35 To 60 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	210.77	38.40
For Bolt-On, Add	41.28	
For Installation In New Panelboard, Deduct	-21.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.60	
26 28 16 13-0066 EA 70 To 100 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	249.21	48.00
For Bolt-On, Add	49.82	
For Installation In New Panelboard, Deduct	-26.67	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.00	
26 28 16 13-0067 EA 110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	368.51	57.59
For Bolt-On, Add	68.46	
For Installation In New Panelboard, Deduct	-32.00	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.40	



Electrical			26	26
Low-Voltage Electrical Distribution			26 20	
Low-Voltage Circuit Protective Devices			26 28	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0068	EA	150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	482.89	74.67
		For Bolt-On, Add	89.29	
		For Installation In New Panelboard, Deduct	-41.33	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.60	
26 28 16 13-0069	EA	250 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	592.93	86.40
		For Bolt-On, Add	107.71	
		For Installation In New Panelboard, Deduct	-48.00	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.60	
26 28 16 13-0070	EA	300 To 400 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	630.11	91.73
		For Bolt-On, Add	114.23	
		For Installation In New Panelboard, Deduct	-50.67	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	60.80	
26 28 16 13-0071		Branch Circuit Breakers 25,000 Amperes Interrupting Capacity, Plug-On ^{26 28}		
		^{16 13-0001}		
		Note: Includes connection of electrical wire.		
26 28 16 13-0072	EA	15 To 30 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	177.35	28.80
		For Bolt-On, Add	33.37	
		For Installation In New Panelboard, Deduct	-16.00	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.20	
26 28 16 13-0073	EA	35 To 60 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	177.35	28.80
		For Bolt-On, Add	33.37	
		For Installation In New Panelboard, Deduct	-16.00	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.20	
26 28 16 13-0074	EA	70 To 100 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	266.15	38.40
		For Bolt-On, Add	48.20	
		For Installation In New Panelboard, Deduct	-21.33	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.60	
26 28 16 13-0075	EA	110 To 125 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	423.01	48.00
		For Bolt-On, Add	71.54	
		For Installation In New Panelboard, Deduct	-26.67	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.00	
26 28 16 13-0076	EA	150 To 225 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	649.35	59.73
		For Bolt-On, Add	104.50	
		For Installation In New Panelboard, Deduct	-33.33	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.00	
26 28 16 13-0077	EA	250 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	732.42	62.40
		For Bolt-On, Add	115.82	
		For Installation In New Panelboard, Deduct	-34.67	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.60	
26 28 16 13-0078	EA	300 To 400 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	802.77	72.00
		For Bolt-On, Add	128.34	
		For Installation In New Panelboard, Deduct	-40.00	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.00	
26 28 16 13-0079	EA	15 To 30 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	252.92	38.40
		For Bolt-On, Add	46.55	
		For Installation In New Panelboard, Deduct	-21.33	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.60	
26 28 16 13-0080	EA	35 To 60 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	252.92	38.40
		For Bolt-On, Add	46.55	
		For Installation In New Panelboard, Deduct	-21.33	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.60	
26 28 16 13-0081	EA	70 To 100 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	318.36	48.00
		For Bolt-On, Add	58.46	
		For Installation In New Panelboard, Deduct	-26.67	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.00	
26 28 16 13-0082	EA	110 To 125 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	524.86	57.59
		For Bolt-On, Add	88.01	
		For Installation In New Panelboard, Deduct	-32.00	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.40	
26 28 16 13-0083	EA	150 To 225 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	760.75	74.67
		For Bolt-On, Add	124.03	
		For Installation In New Panelboard, Deduct	-41.33	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.60	
26 28 16 13-0084	EA	250 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	897.64	86.40
		For Bolt-On, Add	145.80	
		For Installation In New Panelboard, Deduct	-48.00	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.60	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0085	EA		300 To 400 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	969.70	91.73
			<i>For Bolt-On, Add</i>	156.68	
			<i>For Installation In New Panelboard, Deduct</i>	-50.67	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.80	
26 28 16 13-0086 Branch Circuit Breakers 30,000 Amperes Interrupting Capacity, Plug-On ^(26 28)					
			^{16 13-0001} <i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0087	EA		2 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	183.08	28.80
			<i>For Bolt-On, Add</i>	34.09	
			<i>For Installation In New Panelboard, Deduct</i>	-16.00	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.20	
26 28 16 13-0088	EA		2 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	183.08	28.80
			<i>For Bolt-On, Add</i>	34.09	
			<i>For Installation In New Panelboard, Deduct</i>	-16.00	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.20	
26 28 16 13-0089	EA		2 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	319.08	38.40
			<i>For Bolt-On, Add</i>	54.82	
			<i>For Installation In New Panelboard, Deduct</i>	-21.33	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.60	
26 28 16 13-0090	EA		2 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	569.76	48.00
			<i>For Bolt-On, Add</i>	89.89	
			<i>For Installation In New Panelboard, Deduct</i>	-26.67	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.00	
26 28 16 13-0091	EA		2 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	891.93	59.73
			<i>For Bolt-On, Add</i>	134.82	
			<i>For Installation In New Panelboard, Deduct</i>	-33.33	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.00	
26 28 16 13-0092	EA		2 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,011.41	62.40
			<i>For Bolt-On, Add</i>	150.69	
			<i>For Installation In New Panelboard, Deduct</i>	-34.67	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.60	
26 28 16 13-0093	EA		2 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,103.84	72.00
			<i>For Bolt-On, Add</i>	165.98	
			<i>For Installation In New Panelboard, Deduct</i>	-40.00	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.00	
26 28 16 13-0094	EA		3 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	292.61	38.40
			<i>For Bolt-On, Add</i>	51.51	
			<i>For Installation In New Panelboard, Deduct</i>	-21.33	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.60	
26 28 16 13-0095	EA		3 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	292.61	38.40
			<i>For Bolt-On, Add</i>	51.51	
			<i>For Installation In New Panelboard, Deduct</i>	-21.33	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.60	
26 28 16 13-0096	EA		3 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	387.17	48.00
			<i>For Bolt-On, Add</i>	67.06	
			<i>For Installation In New Panelboard, Deduct</i>	-26.67	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.00	
26 28 16 13-0097	EA		3 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	692.53	57.59
			<i>For Bolt-On, Add</i>	108.96	
			<i>For Installation In New Panelboard, Deduct</i>	-32.00	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.40	
26 28 16 13-0098	EA		3 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	876.02	74.67
			<i>For Bolt-On, Add</i>	138.44	
			<i>For Installation In New Panelboard, Deduct</i>	-41.33	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.60	
26 28 16 13-0099	EA		3 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,376.66	86.40
			<i>For Bolt-On, Add</i>	205.68	
			<i>For Installation In New Panelboard, Deduct</i>	-48.00	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.60	
26 28 16 13-0100	EA		3 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,465.66	91.73
			<i>For Bolt-On, Add</i>	218.67	
			<i>For Installation In New Panelboard, Deduct</i>	-50.67	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.80	
26 28 16 13-0101 Branch Circuit Breakers 35,000 Amperes Interrupting Capacity, Plug-On ^(26 28)					
			^{16 13-0001} <i>Note: Includes connection of electrical wire.</i>		



		Electrical	26	26
		Low-Voltage Electrical Distribution	26 20	
		Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0102	EA	1 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	99.00	19.20
		For Bolt-On, Add	19.84	
		For Installation In New Panelboard, Deduct	-10.67	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.80	
26 28 16 13-0103	EA	1 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	99.00	19.20
		For Bolt-On, Add	19.84	
		For Installation In New Panelboard, Deduct	-10.67	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.80	
26 28 16 13-0104	EA	1 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	165.29	24.00
		For Bolt-On, Add	29.99	
		For Installation In New Panelboard, Deduct	-13.33	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.00	
26 28 16 13-0105	EA	2 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	206.56	28.80
		For Bolt-On, Add	37.02	
		For Installation In New Panelboard, Deduct	-16.00	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.20	
26 28 16 13-0106	EA	2 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	206.56	28.80
		For Bolt-On, Add	37.02	
		For Installation In New Panelboard, Deduct	-16.00	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.20	
26 28 16 13-0107	EA	2 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	367.66	38.40
		For Bolt-On, Add	60.89	
		For Installation In New Panelboard, Deduct	-21.33	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.60	
26 28 16 13-0108	EA	2 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	666.79	48.00
		For Bolt-On, Add	102.01	
		For Installation In New Panelboard, Deduct	-26.67	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.00	
26 28 16 13-0109	EA	2 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	1,275.18	59.73
		For Bolt-On, Add	182.73	
		For Installation In New Panelboard, Deduct	-33.33	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.00	
26 28 16 13-0110	EA	3 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	334.97	38.40
		For Bolt-On, Add	56.80	
		For Installation In New Panelboard, Deduct	-21.33	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.60	
26 28 16 13-0111	EA	3 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	334.97	38.40
		For Bolt-On, Add	56.80	
		For Installation In New Panelboard, Deduct	-21.33	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.60	
26 28 16 13-0112	EA	3 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	446.02	48.00
		For Bolt-On, Add	74.42	
		For Installation In New Panelboard, Deduct	-26.67	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.00	
26 28 16 13-0113	EA	3 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	820.44	57.59
		For Bolt-On, Add	124.95	
		For Installation In New Panelboard, Deduct	-32.00	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.40	
26 28 16 13-0114	EA	3 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	1,585.35	74.67
		For Bolt-On, Add	227.10	
		For Installation In New Panelboard, Deduct	-41.33	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.60	
26 28 16 13-0115		Branch Circuit Breakers 42,000 Amperes Interrupting Capacity, Plug-On ^{(26 28} ^{16 13-0001)} Note: Includes connection of electrical wire.		
26 28 16 13-0116	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	139.70	19.20
		For Bolt-On, Add	24.93	
		For Installation In New Panelboard, Deduct	-10.67	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.80	
26 28 16 13-0117	EA	35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Ampere Interrupting Capacity	139.70	19.20
		For Bolt-On, Add	24.93	
		For Installation In New Panelboard, Deduct	-10.67	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.80	
26 28 16 13-0118	EA	70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	208.58	24.00
		For Bolt-On, Add	35.41	
		For Installation In New Panelboard, Deduct	-13.33	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.00	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0119 EA 15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	253.65	28.80
For Bolt-On, Add	42.91	
For Installation In New Panelboard, Deduct	-16.00	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.20	
26 28 16 13-0120 EA 35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	253.65	28.80
For Bolt-On, Add	42.91	
For Installation In New Panelboard, Deduct	-16.00	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.20	
26 28 16 13-0121 EA 70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	469.03	38.40
For Bolt-On, Add	73.56	
For Installation In New Panelboard, Deduct	-21.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.60	
26 28 16 13-0122 EA 110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	838.80	48.00
For Bolt-On, Add	123.52	
For Installation In New Panelboard, Deduct	-26.67	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.00	
26 28 16 13-0123 EA 150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,647.76	53.33
For Bolt-On, Add	226.50	
For Installation In New Panelboard, Deduct	-29.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.20	
26 28 16 13-0124 EA 15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	429.34	38.40
For Bolt-On, Add	68.60	
For Installation In New Panelboard, Deduct	-21.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.60	
26 28 16 13-0125 EA 35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	429.34	38.40
For Bolt-On, Add	68.60	
For Installation In New Panelboard, Deduct	-21.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.60	
26 28 16 13-0126 EA 70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	591.82	48.00
For Bolt-On, Add	92.64	
For Installation In New Panelboard, Deduct	-26.67	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.00	
26 28 16 13-0127 EA 110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	948.34	57.59
For Bolt-On, Add	140.94	
For Installation In New Panelboard, Deduct	-32.00	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.40	
26 28 16 13-0128 EA 150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	2,083.90	74.67
For Bolt-On, Add	289.42	
For Installation In New Panelboard, Deduct	-41.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.60	
26 28 16 13-0129 Branch Circuit Breakers 65,000 Amperes Interrupting Capacity, Plug-On (26 28		
16 13-0001)		
Note: Includes connection of electrical wire.		
26 28 16 13-0130 EA 15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	69.44	19.20
For Bolt-On, Add	16.15	
For Installation In New Panelboard, Deduct	-10.67	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.80	
26 28 16 13-0131 EA 15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	139.45	28.80
For Bolt-On, Add	28.63	
For Installation In New Panelboard, Deduct	-16.00	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.20	
26 28 16 13-0132 EA 15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	216.75	38.40
For Bolt-On, Add	42.02	
For Installation In New Panelboard, Deduct	-21.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.60	
26 28 16 13-0133 EA 15 To 30 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	132.73	19.20
For Bolt-On, Add	24.06	
For Installation In New Panelboard, Deduct	-10.67	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.80	
26 28 16 13-0134 EA 35 To 60 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	132.73	19.20
For Bolt-On, Add	24.06	
For Installation In New Panelboard, Deduct	-10.67	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.80	
26 28 16 13-0135 EA 70 To 100 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	264.39	38.40
For Bolt-On, Add	47.98	
For Installation In New Panelboard, Deduct	-21.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.60	



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0136	EA	15 To 30 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	292.44	28.80	
		For Bolt-On, Add	47.76		
		For Installation In New Panelboard, Deduct	-16.00		
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.20		
26 28 16 13-0137	EA	35 To 60 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	292.44	28.80	
		For Bolt-On, Add	47.76		
		For Installation In New Panelboard, Deduct	-16.00		
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.20		
26 28 16 13-0138	EA	70 To 100 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	556.46	38.40	
		For Bolt-On, Add	84.49		
		For Installation In New Panelboard, Deduct	-21.33		
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.60		
26 28 16 13-0139	EA	110 To 125 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	935.83	48.00	
		For Bolt-On, Add	135.64		
		For Installation In New Panelboard, Deduct	-26.67		
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.00		
26 28 16 13-0140	EA	150 To 225 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	2,037.00	59.73	
		For Bolt-On, Add	277.96		
		For Installation In New Panelboard, Deduct	-33.33		
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.00		
26 28 16 13-0141	EA	15 To 30 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	484.83	38.40	
		For Bolt-On, Add	75.53		
		For Installation In New Panelboard, Deduct	-21.33		
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.60		
26 28 16 13-0142	EA	35 To 60 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	484.83	38.40	
		For Bolt-On, Add	75.53		
		For Installation In New Panelboard, Deduct	-21.33		
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.60		
26 28 16 13-0143	EA	70 To 100 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	672.37	48.00	
		For Bolt-On, Add	102.71		
		For Installation In New Panelboard, Deduct	-26.67		
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.00		
26 28 16 13-0144	EA	110 To 225 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,018.91	57.59	
		For Bolt-On, Add	149.76		
		For Installation In New Panelboard, Deduct	-32.00		
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.40		
26 28 16 13-0145	EA	150 To 225 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	2,532.85	74.67	
		For Bolt-On, Add	345.54		
		For Installation In New Panelboard, Deduct	-41.33		
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.60		
26 28 16 16 Enclosed Switches (26 28 16)					
26 28 16 16-0001			Motor And Circuit Disconnects (26 28 16 16)		
			Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.		
26 28 16 16-0002			NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0001)		
26 28 16 16-0003			Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0002)		
			Note: Includes fuses and neutral bar.		
26 28 16 16-0004			240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)		
26 28 16 16-0005	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	389.06	106.66	
26 28 16 16-0006	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	608.52	128.52	
26 28 16 16-0007	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	834.39	150.39	
26 28 16 16-0008	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,435.60	236.78	
26 28 16 16-0009	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,042.64	367.98	
26 28 16 16-0010	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,075.68	543.97	
26 28 16 16-0011	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,916.60	639.97	
26 28 16 16-0012	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,277.88	746.63	
26 28 16 16-0013			600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0014	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	588.82	118.50
26 28 16 16-0015	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	710.40	142.82
26 28 16 16-0016	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,125.25	166.92
26 28 16 16-0017	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,664.99	263.45
26 28 16 16-0018	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,620.59	408.73
26 28 16 16-0019	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,641.56	604.13
26 28 16 16-0020	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	8,328.91	710.69
26 28 16 16-0021	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	11,368.43	829.60
26 28 16 16-0022		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)		
26 28 16 16-0023	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	554.67	167.46
26 28 16 16-0024	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	815.45	222.39
26 28 16 16-0025	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,094.01	246.92
26 28 16 16-0026	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,730.26	386.64
26 28 16 16-0027	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,581.33	634.63
26 28 16 16-0028	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,814.11	889.01
26 28 16 16-0029		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)		
26 28 16 16-0030	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	722.14	185.05
26 28 16 16-0031	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	918.70	246.92
26 28 16 16-0032	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,347.05	277.85
26 28 16 16-0033	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,984.53	423.44
26 28 16 16-0034	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,400.01	683.70
26 28 16 16-0035	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	7,071.87	987.68
26 28 16 16-0036	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	11,222.49	1,173.27
26 28 16 16-0037	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	14,332.71	1,333.26
26 28 16 16-0038		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)		
26 28 16 16-0039	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	537.79	167.46
26 28 16 16-0040	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	793.64	222.39
26 28 16 16-0041	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,054.33	246.92
26 28 16 16-0042	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,784.83	386.64
26 28 16 16-0043	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,888.87	634.63
26 28 16 16-0044	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,276.78	889.01
26 28 16 16-0045	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	10,361.79	1,119.93
26 28 16 16-0046	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	12,768.95	1,279.93
26 28 16 16-0047		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)		
26 28 16 16-0048	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	784.06	185.05
26 28 16 16-0049	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	994.80	246.92
26 28 16 16-0050	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,458.32	277.85



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Low-Voltage Electrical Distribution		26 20	
Low-Voltage Circuit Protective Devices		26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0051 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,151.10	423.44
26 28 16 16-0052 EA 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,755.40	683.70
26 28 16 16-0053 EA 600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,699.52	987.68
26 28 16 16-0054 EA 800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	12,264.55	1,173.27
26 28 16 16-0055 EA 1,200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	15,458.34	1,333.26
26 28 16 16-0056 Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0002)</small>		
26 28 16 16-0057 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		
26 28 16 16-0058 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	378.38	154.34
26 28 16 16-0059 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	586.36	214.71
26 28 16 16-0060 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	805.37	246.92
26 28 16 16-0061 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,262.09	395.07
26 28 16 16-0062 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,538.61	658.41
26 28 16 16-0063 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,140.75	897.87
26 28 16 16-0064 EA 800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,903.87	1,066.61
26 28 16 16-0065 EA 1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,786.84	1,244.84
26 28 16 16-0066 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		
26 28 16 16-0067 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	417.92	170.34
26 28 16 16-0068 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	663.90	240.95
26 28 16 16-0069 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	910.01	274.33
26 28 16 16-0070 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,412.58	429.42
26 28 16 16-0071 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,731.31	705.45
26 28 16 16-0072 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,579.70	987.57
26 28 16 16-0073 EA 800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,540.87	1,066.61
26 28 16 16-0074 EA 1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,659.18	1,244.84
26 28 16 16-0075 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		
26 28 16 16-0076 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	442.81	138.66
26 28 16 16-0077 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	676.00	193.05
26 28 16 16-0078 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	908.45	222.39
26 28 16 16-0079 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,427.87	355.71
26 28 16 16-0080 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,847.89	592.50
26 28 16 16-0081 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,577.56	807.96
26 28 16 16-0082 EA 800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,838.01	959.95
26 28 16 16-0083 EA 1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,201.90	1,119.93
26 28 16 16-0084 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		
26 28 16 16-0085 EA 30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	483.27	153.05
26 28 16 16-0086 EA 60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	743.80	217.06
26 28 16 16-0087 EA 100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	990.97	246.92

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0088 EA 200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,540.89	386.64
26 28 16 16-0089 EA 400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,051.30	634.63
26 28 16 16-0090 EA 600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,950.71	889.01
26 28 16 16-0091 EA 800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	8,259.35	959.95
26 28 16 16-0092 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0056)		
26 28 16 16-0093 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	514.70	153.27
26 28 16 16-0094 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	797.38	216.84
26 28 16 16-0095 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,078.12	246.92
26 28 16 16-0096 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,675.13	386.43
26 28 16 16-0097 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,239.07	634.84
26 28 16 16-0098 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,506.41	888.80
26 28 16 16-0099 EA 800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	8,893.82	959.95
26 28 16 16-0100 EA 1,200 Amperes, 600 Volt Class, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	11,623.21	1,119.93
26 28 16 16-0101 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0056)		
26 28 16 16-0102 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	744.62	138.87
26 28 16 16-0103 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	902.35	193.27
26 28 16 16-0104 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,375.31	222.18
26 28 16 16-0105 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,066.39	355.50
26 28 16 16-0106 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0056)		
26 28 16 16-0107 EA 30 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	806.72	153.05
26 28 16 16-0108 EA 60 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	986.35	217.06
26 28 16 16-0109 EA 100 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,491.20	246.92
26 28 16 16-0110 EA 200 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,225.03	386.64
26 28 16 16-0111 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0056)		
26 28 16 16-0112 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	894.18	153.27
26 28 16 16-0113 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,082.82	216.84
26 28 16 16-0114 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,664.68	246.92
26 28 16 16-0115 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,477.74	386.43
26 28 16 16-0116 General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0002) Note: Includes fuses and neutral bar.		
26 28 16 16-0117 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0116)		
26 28 16 16-0118 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	272.02	92.79
26 28 16 16-0119 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	369.17	111.67
26 28 16 16-0120 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	563.36	130.55
26 28 16 16-0121 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,038.87	205.96
26 28 16 16-0122 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,452.27	319.45



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Low-Voltage Circuit Protective Devices		26 28	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0123	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,572.43	472.83
26 28 16 16-0124		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0116)		
26 28 16 16-0125	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	377.82	145.81
26 28 16 16-0126	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	531.96	193.27
26 28 16 16-0127	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	731.63	214.71
26 28 16 16-0128	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,300.15	336.08
26 28 16 16-0129	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,919.79	552.08
26 28 16 16-0130	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,177.10	772.86
26 28 16 16-0131		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0116)		
26 28 16 16-0132	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	418.63	145.81
26 28 16 16-0133	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	597.76	193.27
26 28 16 16-0134	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	791.50	214.71
26 28 16 16-0135	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,450.98	336.08
26 28 16 16-0136	EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,177.60	552.08
26 28 16 16-0137	EA	600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,340.53	772.86
26 28 16 16-0138		General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0002)		
26 28 16 16-0139		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0138)		
26 28 16 16-0140	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	371.94	129.06
26 28 16 16-0141	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	492.49	148.36
26 28 16 16-0142	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,101.58	237.11
26 28 16 16-0143	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,350.07	394.64
26 28 16 16-0144	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,052.36	537.78
26 28 16 16-0145		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0138)		
26 28 16 16-0146	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	351.25	120.74
26 28 16 16-0147	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	481.55	167.99
26 28 16 16-0148	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	725.62	193.27
26 28 16 16-0149	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,246.36	309.21
26 28 16 16-0150	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,592.30	515.38
26 28 16 16-0151	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,383.60	702.46
26 28 16 16-0152		NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0001)		
26 28 16 16-0153		Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0152) Note: With fuses, neutral bar, and hub if required.		
26 28 16 16-0154		240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0153)		
26 28 16 16-0155	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	567.92	125.32
26 28 16 16-0156	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	898.06	150.39

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0157	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,120.99	174.92
26 28 16 16-0158	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,642.02	266.65
26 28 16 16-0159	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,610.41	426.64
26 28 16 16-0160	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,307.98	569.04
26 28 16 16-0161	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,434.10	639.97
26 28 16 16-0162	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,489.91	746.63
26 28 16 16-0163		600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0153)		
26 28 16 16-0164	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	972.06	167.03
26 28 16 16-0165	EA	60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,158.16	204.78
26 28 16 16-0166	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,637.71	235.19
26 28 16 16-0167	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,309.80	352.73
26 28 16 16-0168	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,005.51	577.14
26 28 16 16-0169	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,175.53	793.66
26 28 16 16-0170	EA	800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,462.44	913.87
26 28 16 16-0171	EA	1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	14,832.65	1,028.74
26 28 16 16-0172		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0153)		
26 28 16 16-0173	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	728.63	197.33
26 28 16 16-0174	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,150.81	261.32
26 28 16 16-0175	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,383.89	286.92
26 28 16 16-0176	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,054.13	444.25
26 28 16 16-0177	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,417.97	740.76
26 28 16 16-0178	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,342.37	987.68
26 28 16 16-0179		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0153)		
26 28 16 16-0180	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,107.71	233.91
26 28 16 16-0181	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,322.47	286.70
26 28 16 16-0182	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,764.56	329.16
26 28 16 16-0183	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,565.02	493.84
26 28 16 16-0184	EA	400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,376.07	808.06
26 28 16 16-0185	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,672.64	1,111.08
26 28 16 16-0186	EA	800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,660.24	1,279.93
26 28 16 16-0187	EA	1,200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	16,341.83	1,439.92
26 28 16 16-0188		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0153)		
26 28 16 16-0189	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	797.82	197.33
26 28 16 16-0190	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,152.81	261.32
26 28 16 16-0191	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,481.19	286.92



Electrical			26
Low-Voltage Electrical Distribution			26 20
Low-Voltage Circuit Protective Devices			26 28

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0192	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,119.02	444.25
26 28 16 16-0193	EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,477.50	740.76
26 28 16 16-0194	EA	600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,997.15	987.68
26 28 16 16-0195	EA	800 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	13,289.98	1,119.93
26 28 16 16-0196	EA	1,200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	16,553.55	1,279.93
26 28 16 16-0197		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0153)		
26 28 16 16-0198	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,147.41	234.12
26 28 16 16-0199	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,367.11	286.92
26 28 16 16-0200	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,863.77	329.05
26 28 16 16-0201	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,629.51	493.84
26 28 16 16-0202	EA	400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,609.21	807.96
26 28 16 16-0203	EA	600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	9,940.50	1,110.87
26 28 16 16-0204	EA	800 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	14,503.70	1,279.93
26 28 16 16-0205	EA	1,200 Amp, 600 Volt Class, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	17,453.62	1,439.92
26 28 16 16-0206		Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0152)		
26 28 16 16-0207		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0206)		
26 28 16 16-0208	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	538.19	109.76
26 28 16 16-0209	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	875.90	151.99
26 28 16 16-0210	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,149.00	174.29
26 28 16 16-0211	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,533.99	282.23
26 28 16 16-0212	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,398.92	470.80
26 28 16 16-0213	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,174.26	627.70
26 28 16 16-0214	EA	800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	9,906.13	746.95
26 28 16 16-0215	EA	1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	13,063.65	853.60
26 28 16 16-0216		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0206)		
26 28 16 16-0217	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	605.66	120.95
26 28 16 16-0218	EA	60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	992.32	169.28
26 28 16 16-0219	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,296.83	191.14
26 28 16 16-0220	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,700.75	296.30
26 28 16 16-0221	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,853.24	493.84
26 28 16 16-0222	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,664.14	658.41
26 28 16 16-0223	EA	800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,563.15	782.47
26 28 16 16-0224	EA	1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	13,924.86	888.80
26 28 16 16-0225		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0206)		
26 28 16 16-0226	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	647.92	164.57
26 28 16 16-0227	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,027.84	227.93

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0228	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,323.27	261.43
26 28 16 16-0229	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,816.17	423.33
26 28 16 16-0230	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,919.53	706.09
26 28 16 16-0231	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,899.56	941.28
26 28 16 16-0232	EA	800 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,762.06	1,119.93
26 28 16 16-0233	EA	1,200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	14,227.39	1,279.93
26 28 16 16-0234		480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0206)</small>		
26 28 16 16-0235	EA	30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	704.27	181.33
26 28 16 16-0236	EA	60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,120.80	253.96
26 28 16 16-0237	EA	100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,431.04	286.70
26 28 16 16-0238	EA	200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,927.75	444.46
26 28 16 16-0239	EA	400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,167.66	740.65
26 28 16 16-0240	EA	600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,349.95	987.57
26 28 16 16-0241	EA	800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	11,477.24	1,173.27
26 28 16 16-0242	EA	1,200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	15,165.70	1,333.26
26 28 16 16-0243		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0206)</small>		
26 28 16 16-0244	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	388.61	181.33
26 28 16 16-0245	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,161.63	253.96
26 28 16 16-0246	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,487.97	286.70
26 28 16 16-0247	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,997.03	444.46
26 28 16 16-0248	EA	400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,347.04	740.65
26 28 16 16-0249	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,322.54	987.57
26 28 16 16-0250	EA	800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	11,461.89	1,173.27
26 28 16 16-0251	EA	1,200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	15,144.81	1,333.26
26 28 16 16-0252		General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0152)</small>		
		Note: With fuses, neutral bar, and hub if required.		
26 28 16 16-0253		240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0252)</small>		
26 28 16 16-0254	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	350.77	109.00
26 28 16 16-0255	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	492.53	130.77
26 28 16 16-0256	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	645.71	152.10
26 28 16 16-0257	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,315.85	231.88
26 28 16 16-0258	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,198.38	370.96
26 28 16 16-0259	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,652.13	494.90
26 28 16 16-0260		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0252)</small>		
26 28 16 16-0261	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	476.83	171.83
26 28 16 16-0262	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	685.96	227.29



Electrical			26
Low-Voltage Electrical Distribution			26 20
Low-Voltage Circuit Protective Devices			26 28

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0263	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	839.81	249.38
26 28 16 16-0264	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,625.87	386.43
26 28 16 16-0265	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,746.35	644.02
26 28 16 16-0266	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,388.19	859.05
26 28 16 16-0267		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 16-0252)		
26 28 16 16-0268	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	534.02	171.72
26 28 16 16-0269	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	743.35	227.29
26 28 16 16-0270	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,024.50	249.38
26 28 16 16-0271	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,745.13	386.43
26 28 16 16-0272	EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,822.96	644.13
26 28 16 16-0273	EA	600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,986.08	859.05
26 28 16 16-0274	EA	800 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,957.03	973.17
26 28 16 16-0275		General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 16-0152)		
26 28 16 16-0276		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 16-0275)		
26 28 16 16-0277	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	316.22	95.46
26 28 16 16-0278	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	515.00	132.15
26 28 16 16-0279	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	542.66	151.56
26 28 16 16-0280	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,343.33	245.32
26 28 16 16-0281	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,275.76	409.37
26 28 16 16-0282	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,756.57	545.78
26 28 16 16-0283		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 16-0275)		
26 28 16 16-0284	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	494.31	143.14
26 28 16 16-0285	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	710.77	198.18
26 28 16 16-0286	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,034.14	227.29
26 28 16 16-0287	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,775.40	368.08
26 28 16 16-0288		NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches ^(26 28 16 16-0001)		
26 28 16 16-0289		Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches ^(26 28 16 16-0288) Note: With fuses and neutral bar (stainless steel).		
26 28 16 16-0290		240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches ^(26 28 16 16-0289)		
26 28 16 16-0291	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,484.86	106.66
26 28 16 16-0292	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,783.73	128.52
26 28 16 16-0293	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,627.59	150.18
26 28 16 16-0294	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,020.38	237.00
26 28 16 16-0295	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,194.67	367.76
26 28 16 16-0296	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,655.61	543.76

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0297		600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0289)		
26 28 16 16-0298	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,882.61	118.50
26 28 16 16-0299	EA	60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,094.66	142.71
26 28 16 16-0300	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	3,922.60	166.82
26 28 16 16-0301	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	5,546.59	263.45
26 28 16 16-0302	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	10,590.00	408.94
26 28 16 16-0303	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	15,186.35	604.13
26 28 16 16-0304		240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0289)		
26 28 16 16-0305	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,673.47	167.67
26 28 16 16-0306	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,098.72	222.18
26 28 16 16-0307	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	3,985.61	246.92
26 28 16 16-0308	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	5,669.29	386.43
26 28 16 16-0309	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	11,041.82	634.84
26 28 16 16-0310	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	15,755.83	888.80
26 28 16 16-0311		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0289)		
26 28 16 16-0312	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,021.06	185.17
26 28 16 16-0313	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,308.60	246.92
26 28 16 16-0314	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	4,155.59	277.75
26 28 16 16-0315	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	5,881.78	423.23
26 28 16 16-0316	EA	400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	11,406.25	683.70
26 28 16 16-0317	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	16,232.12	987.57
26 28 16 16-0318		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0289)		
26 28 16 16-0319	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,997.01	167.67
26 28 16 16-0320	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,503.19	222.18
26 28 16 16-0321	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	4,794.96	246.92
26 28 16 16-0322	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	6,776.03	386.43
26 28 16 16-0323	EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	13,220.03	634.84
26 28 16 16-0324	EA	600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	18,749.21	888.80
26 28 16 16-0325		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0289)		
26 28 16 16-0326	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,403.37	185.17
26 28 16 16-0327	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,742.13	246.92
26 28 16 16-0328	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	4,981.72	277.75
26 28 16 16-0329	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	6,997.77	423.23
26 28 16 16-0330	EA	400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	13,613.84	683.70
26 28 16 16-0331	EA	600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	19,266.31	987.57



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Low-Voltage Circuit Protective Devices		26 28	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
26 28 16 16-0332	Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0288)				
26 28 16 16-0333	240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0332)				
26 28 16 16-0334	EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,425.16		106.66	
26 28 16 16-0335	EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,736.69		148.36	
26 28 16 16-0336	EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,257.36		170.66	
26 28 16 16-0337	EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,523.34		272.62	
26 28 16 16-0338	EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,230.40		453.95	
26 28 16 16-0339	EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,784.47		618.42	
26 28 16 16-0340	600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0332)				
26 28 16 16-0341	EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,620.34		117.65	
26 28 16 16-0342	EA 60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,978.28		166.39	
26 28 16 16-0343	EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,711.85		189.65	
26 28 16 16-0344	EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,139.02		296.30	
26 28 16 16-0345	EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,343.89		487.65	
26 28 16 16-0346	EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,419.84		682.62	
26 28 16 16-0347	240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0332)				
26 28 16 16-0348	EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,489.59		138.87	
26 28 16 16-0349	EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,803.43		193.27	
26 28 16 16-0350	EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,884.30		222.18	
26 28 16 16-0351	EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,627.10		355.50	
26 28 16 16-0352	EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,163.16		592.61	
26 28 16 16-0353	EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,511.08		808.06	
26 28 16 16-0354	600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0332)				
26 28 16 16-0355	EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,691.45		153.27	
26 28 16 16-0356	EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,079.16		216.84	
26 28 16 16-0357	EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,826.40		246.92	
26 28 16 16-0358	EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,319.23		386.43	
26 28 16 16-0359	EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,605.62		634.84	
26 28 16 16-0360	EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,229.12		888.80	
26 28 16 16-0361	240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0332)				
26 28 16 16-0362	EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,042.72		138.87	
26 28 16 16-0363	EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,452.22		193.27	
26 28 16 16-0364	EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,495.48		222.18	
26 28 16 16-0365	EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,385.09		355.50	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 28 16 16-0366		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0362)		
26 28 16 16-0367	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,323.60	153.27
26 28 16 16-0368	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,794.46	216.84
26 28 16 16-0369	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	6,266.44	246.92
26 28 16 16-0370	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	9,543.19	386.43
26 28 16 16-0371		Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0288)		
26 28 16 16-0372		600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0371)		
26 28 16 16-0373	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,702.95	185.05
26 28 16 16-0374	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	3,084.85	246.92
26 28 16 16-0375	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	5,527.16	277.85
26 28 16 16-0376	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	7,200.92	423.44
26 28 16 16-0377		600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0371)		
26 28 16 16-0378	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,528.96	153.05
26 28 16 16-0379	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,903.58	217.06
26 28 16 16-0380	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	5,223.34	246.92
26 28 16 16-0381	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	7,105.49	386.64
26 28 16 16-0382		Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0288)		
26 28 16 16-0383		600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0382)		
26 28 16 16-0384	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	3,087.90	185.05
26 28 16 16-0385	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	3,515.60	246.92
26 28 16 16-0386	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	6,341.77	277.85
26 28 16 16-0387		600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0382)		
26 28 16 16-0388	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,893.19	153.05
26 28 16 16-0389	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	3,311.43	217.06
26 28 16 16-0390	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	6,005.23	246.92
26 28 16 16-0391		NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches (26 28 16 16-0001) Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.		
26 28 16 16-0392		Heavy Duty Fusible, NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches (26 28 16 16-0391) Note: With fuses and neutral bar.		
26 28 16 16-0393	EA	30 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	2,449.33	213.33
26 28 16 16-0394	EA	60 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	2,767.17	253.96
26 28 16 16-0395	EA	100 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	3,069.27	286.70
26 28 16 16-0396	EA	200 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	6,495.59	444.46
26 28 16 16-0397		Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0391)		
26 28 16 16-0398	EA	60 Amp, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	1,911.84	253.96
26 28 16 16-0399	EA	100 Amp, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	2,236.28	286.70
26 28 16 16-0400	EA	200 Amp, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	4,102.39	444.46



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Low-Voltage Circuit Protective Devices		26 28	

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0401	NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0001)		
26 28 16 16-0402	Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0401) Note: With fuses and neutral bar.		
26 28 16 16-0403	240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0402)		
26 28 16 16-0404	EA 30 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	549.15	106.66
26 28 16 16-0405	EA 60 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	715.97	128.52
26 28 16 16-0406	EA 100 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	974.31	150.39
26 28 16 16-0407	EA 200 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,641.59	236.78
26 28 16 16-0408	EA 400 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,488.62	367.98
26 28 16 16-0409	EA 600 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,286.01	543.97
26 28 16 16-0410	600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0402)		
26 28 16 16-0411	EA 30 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	857.09	118.40
26 28 16 16-0412	EA 60 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	885.89	142.93
26 28 16 16-0413	EA 100 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,271.96	166.92
26 28 16 16-0414	EA 200 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,990.30	263.45
26 28 16 16-0415	EA 400 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,324.97	408.51
26 28 16 16-0416	EA 600 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,533.86	604.24
26 28 16 16-0417	240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0402)		
26 28 16 16-0418	EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	765.25	167.46
26 28 16 16-0419	EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,058.98	222.39
26 28 16 16-0420	EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,439.69	246.92
26 28 16 16-0421	EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,141.92	386.64
26 28 16 16-0422	EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,191.45	634.63
26 28 16 16-0423	EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,715.32	889.01
26 28 16 16-0424	600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0402)		
26 28 16 16-0425	EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,015.22	185.05
26 28 16 16-0426	EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,153.54	246.92
26 28 16 16-0427	EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,691.46	277.85
26 28 16 16-0428	EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,463.62	423.44
26 28 16 16-0429	EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,142.32	683.70
26 28 16 16-0430	EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	9,644.01	987.68
26 28 16 16-0431	240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0402)		
26 28 16 16-0432	EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	816.58	167.46
26 28 16 16-0433	EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,094.24	222.39
26 28 16 16-0434	EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,550.37	246.92
26 28 16 16-0435	EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,280.88	386.64

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0436	EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	4,563.50	634.63
26 28 16 16-0437	EA	600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	6,966.66	889.01
26 28 16 16-0438 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0402)					
26 28 16 16-0439	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	1,074.72	185.05
26 28 16 16-0440	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	1,312.27	246.92
26 28 16 16-0441	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	1,800.60	277.85
26 28 16 16-0442	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	2,671.95	423.44
26 28 16 16-0443	EA	400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	5,479.62	683.70
26 28 16 16-0444	EA	600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	9,921.79	987.68
26 28 16 16-0445 Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0401)					
26 28 16 16-0446 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0445)					
26 28 16 16-0447	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	574.13	154.13
26 28 16 16-0448	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	762.02	214.92
26 28 16 16-0449	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	1,007.93	246.92
26 28 16 16-0450	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	1,440.30	395.18
26 28 16 16-0451	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	3,153.79	658.63
26 28 16 16-0452	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	4,984.60	898.09
26 28 16 16-0453 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0445)					
26 28 16 16-0454	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	639.82	170.13
26 28 16 16-0455	EA	60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	.....	847.07	241.06
26 28 16 16-0456	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	1,123.32	274.12
26 28 16 16-0457	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	1,564.92	429.31
26 28 16 16-0458	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	3,340.05	705.56
26 28 16 16-0459	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	5,507.29	987.68
26 28 16 16-0460 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0445)					
26 28 16 16-0461	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	739.52	138.66
26 28 16 16-0462	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	973.74	193.05
26 28 16 16-0463	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	1,293.98	222.39
26 28 16 16-0464	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	1,849.80	355.71
26 28 16 16-0465	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	3,885.10	592.50
26 28 16 16-0466	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	6,121.63	807.96
26 28 16 16-0467 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0445)					
26 28 16 16-0468	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	725.17	153.05
26 28 16 16-0469	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	1,053.64	217.06
26 28 16 16-0470	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	1,386.68	246.92
26 28 16 16-0471	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	1,829.47	386.64



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Low-Voltage Circuit Protective Devices		26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0472 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,903.76	634.63
26 28 16 16-0473 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,283.76	889.01
26 28 16 16-0474 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0445)		
26 28 16 16-0475 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	886.37	138.66
26 28 16 16-0476 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,057.25	193.05
26 28 16 16-0477 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,636.09	222.39
26 28 16 16-0478 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,594.65	355.71
26 28 16 16-0479 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,679.37	453.31
26 28 16 16-0480 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0445)		
26 28 16 16-0481 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	921.60	153.05
26 28 16 16-0482 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,152.85	217.06
26 28 16 16-0483 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,748.79	246.92
26 28 16 16-0484 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,667.77	386.64
26 28 16 16-0485 EA 400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,986.64	597.30
26 28 16 16-0486 Double Throw Safety Switches (26 28 16 16-0001)		
26 28 16 16-0487 NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0486)		
26 28 16 16-0488 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)		
26 28 16 16-0489 EA 30 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	689.65	137.05
26 28 16 16-0490 EA 60 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,016.41	179.19
26 28 16 16-0491 EA 100 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,423.95	234.12
26 28 16 16-0492 EA 200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,898.05	304.51
26 28 16 16-0493 EA 400 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	4,544.28	380.78
26 28 16 16-0494 EA 600 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,259.13	610.63
26 28 16 16-0495 EA 800 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	9,489.89	853.28
26 28 16 16-0496 EA 1,000 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	13,955.52	959.95
26 28 16 16-0497 EA 1,200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	16,437.16	1,066.61
26 28 16 16-0498 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)		
26 28 16 16-0499 EA 30 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	872.15	191.99
26 28 16 16-0500 EA 60 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,215.68	250.65
26 28 16 16-0501 EA 100 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,824.94	327.98
26 28 16 16-0502 EA 200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,674.29	426.64
26 28 16 16-0503 EA 400 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	6,262.80	533.30
26 28 16 16-0504 EA 600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,750.26	853.28
26 28 16 16-0505 EA 800 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	10,239.22	959.95
26 28 16 16-0506 EA 1,000 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	14,614.15	1,066.61
26 28 16 16-0507 EA 1,200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	17,317.38	1,173.27
26 28 16 16-0508 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)		
26 28 16 16-0509 EA 30 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,157.33	239.98
26 28 16 16-0510 EA 60 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,680.17	313.58
26 28 16 16-0511 EA 100 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,967.07	409.58
26 28 16 16-0512 EA 200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	4,061.50	532.24
26 28 16 16-0513 EA 400 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,144.75	666.63
26 28 16 16-0514 EA 600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	10,327.20	1,068.20
26 28 16 16-0515 EA 800 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	13,052.52	1,173.27
26 28 16 16-0516 EA 1,000 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	17,329.93	1,226.60
26 28 16 16-0517 EA 1,200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	19,428.96	1,279.93
26 28 16 16-0518 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)		
26 28 16 16-0519 EA 60 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,171.14	179.19

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0520 EA 100 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,757.52	234.12
26 28 16 16-0521 EA 200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,586.65	304.51
26 28 16 16-0522 EA 400 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,066.61	380.78
26 28 16 16-0523 EA 600 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	8,972.06	610.63
26 28 16 16-0524 EA 800 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	10,268.26	853.28
26 28 16 16-0525 EA 1,000 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	15,159.08	959.95
26 28 16 16-0526 EA 1,200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	17,867.56	1,066.61
26 28 16 16-0527 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)		
26 28 16 16-0528 EA 60 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,313.91	250.65
26 28 16 16-0529 EA 100 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,944.70	327.98
26 28 16 16-0530 EA 200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,829.87	426.64
26 28 16 16-0531 EA 400 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,371.41	533.30
26 28 16 16-0532 EA 600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	9,458.84	853.28
26 28 16 16-0533 EA 800 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	11,071.15	959.95
26 28 16 16-0534 EA 1,000 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	15,208.47	1,066.61
26 28 16 16-0535 EA 1,200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	18,814.48	1,173.27
26 28 16 16-0536 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)		
26 28 16 16-0537 EA 60 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,777.03	313.58
26 28 16 16-0538 EA 100 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,107.11	409.58
26 28 16 16-0539 EA 200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,350.90	532.24
26 28 16 16-0540 EA 400 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	8,761.52	666.63
26 28 16 16-0541 EA 600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	11,017.81	1,068.20
26 28 16 16-0542 EA 800 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	14,123.12	1,173.27
26 28 16 16-0543 EA 1,000 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	18,817.61	1,226.60
26 28 16 16-0544 EA 1,200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	21,115.87	1,279.93
26 28 16 16-0545 NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0486)		
26 28 16 16-0546 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0545)		
26 28 16 16-0547 EA 100 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,774.68	234.12
26 28 16 16-0548 EA 200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,050.81	304.51
26 28 16 16-0549 EA 400 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	13,216.42	380.78
26 28 16 16-0550 EA 600 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	22,759.04	610.63
26 28 16 16-0551 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0545)		
26 28 16 16-0552 EA 100 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,327.89	327.45
26 28 16 16-0553 EA 200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,749.80	426.11
26 28 16 16-0554 EA 400 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	13,638.58	533.30
26 28 16 16-0555 EA 600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	14,844.74	854.89
26 28 16 16-0556 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0545)		
26 28 16 16-0557 EA 30 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,237.39	240.09
26 28 16 16-0558 EA 60 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,775.79	313.37
26 28 16 16-0559 EA 100 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,889.79	409.47
26 28 16 16-0560 EA 200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	5,620.26	532.45
26 28 16 16-0561 EA 400 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	9,523.16	666.63
26 28 16 16-0562 EA 600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	11,133.31	1,068.31
26 28 16 16-0563 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0545)		
26 28 16 16-0564 EA 60 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,503.53	179.19
26 28 16 16-0565 EA 100 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,285.24	234.12
26 28 16 16-0566 EA 200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,149.94	304.51
26 28 16 16-0567 EA 400 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	7,968.07	380.78
26 28 16 16-0568 EA 600 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	10,656.83	610.63
26 28 16 16-0569 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0545)		
26 28 16 16-0570 EA 60 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,707.27	250.65
26 28 16 16-0571 EA 100 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,568.27	327.45
26 28 16 16-0572 EA 200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,579.49	426.11
26 28 16 16-0573 EA 400 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	8,652.19	533.30
26 28 16 16-0574 EA 600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	11,639.59	854.89



Electrical		26
Low-Voltage Electrical Distribution		26 20
Low-Voltage Circuit Protective Devices		26 28

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0575 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0545)		
26 28 16 16-0576 EA 60 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,798.22	313.37
26 28 16 16-0577 EA 100 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,900.08	409.47
26 28 16 16-0578 EA 200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,763.09	532.45
26 28 16 16-0579 EA 400 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	9,506.30	666.63
26 28 16 16-0580 EA 600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	11,226.26	1,068.31
26 28 16 16-0581 NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0486)		
26 28 16 16-0582 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0581)		
26 28 16 16-0583 EA 30 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,785.93	137.16
26 28 16 16-0584 EA 60 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,024.96	179.08
26 28 16 16-0585 EA 100 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,293.92	234.02
26 28 16 16-0586 EA 200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,152.06	304.30
26 28 16 16-0587 EA 400 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,873.86	380.89
26 28 16 16-0588 EA 600 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,618.48	610.42
26 28 16 16-0589 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0581)		
26 28 16 16-0590 EA 30 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,055.18	191.99
26 28 16 16-0591 EA 60 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,432.87	250.65
26 28 16 16-0592 EA 100 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,889.64	327.45
26 28 16 16-0593 EA 200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,026.24	426.11
26 28 16 16-0594 EA 400 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,318.23	533.30
26 28 16 16-0595 EA 600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,682.84	854.89
26 28 16 16-0596 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0581)		
26 28 16 16-0597 EA 30 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,066.60	240.09
26 28 16 16-0598 EA 60 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,590.64	313.37
26 28 16 16-0599 EA 100 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,921.22	409.47
26 28 16 16-0600 EA 200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,683.35	532.45
26 28 16 16-0601 EA 400 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	12,345.40	666.63
26 28 16 16-0602 EA 600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	15,358.85	1,068.31
26 28 16 16-0603 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0581)		
26 28 16 16-0604 EA 60 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,666.70	179.08
26 28 16 16-0605 EA 100 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,808.00	234.02
26 28 16 16-0606 EA 200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,312.18	304.30
26 28 16 16-0607 EA 400 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,661.00	380.89
26 28 16 16-0608 EA 600 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	10,295.04	610.42
26 28 16 16-0609 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0581)		
26 28 16 16-0610 EA 60 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,931.46	250.65
26 28 16 16-0611 EA 100 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,118.45	327.45
26 28 16 16-0612 EA 200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,802.72	426.11
26 28 16 16-0613 EA 400 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,328.66	533.30
26 28 16 16-0614 EA 600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	11,258.36	854.89
26 28 16 16-0615 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0581)		
26 28 16 16-0616 EA 60 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,627.20	313.37
26 28 16 16-0617 EA 100 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,190.91	409.47
26 28 16 16-0618 EA 200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,842.31	532.45
26 28 16 16-0619 EA 400 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	12,687.55	666.63
26 28 16 16-0620 EA 600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	15,812.37	1,068.31
26 28 16 16-0621 Removal And Reinstallation Of Disconnect Switches (26 28 16 16-0001) Note: Includes storage and cleaning.		
26 28 16 16-0622 EA Removal And Reinstallation Of Up To 100 Amp Safety Disconnect Switch	533.30	
26 28 16 16-0623 EA Removal And Reinstallation Of >100 To 200 Amp Safety Disconnect Switch	693.32	
26 28 16 16-0624 EA Removal And Reinstallation Of >200 To 300 Amp Safety Disconnect Switch	773.35	
26 28 16 16-0625 EA Removal And Reinstallation Of >300 To 400 Amp Safety Disconnect Switch	906.67	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 28 16 16-0626	Bolted Contact Switches <small>(26 28 16 16)</small>		Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the switch.	
26 28 16 16-0627	Electrical Trip, Bolted Contact Switches <small>(26 28 16 16-0626)</small>			
26 28 16 16-0628	Top Feed, Electrical Trip, Bolted Contact Switches <small>(26 28 16 16-0627)</small>			
26 28 16 16-0629	EA	800 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833T120480)	7,013.51	1,066.61
26 28 16 16-0630	EA	1,200 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233T120480)	7,649.54	1,279.93
26 28 16 16-0631	EA	1,600 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633T120480)	8,370.12	1,493.25
26 28 16 16-0632	EA	2,000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033T120480)	8,897.43	1,706.57
26 28 16 16-0633	EA	2,500 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533T120480)	10,044.85	1,919.89
26 28 16 16-0634	EA	3,000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033T120480)	12,472.73	2,133.22
26 28 16 16-0635	EA	4,000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033T120480)	16,668.13	2,559.86
26 28 16 16-0636	Bottom Feed, Electrical Trip, Bolted Contact Switches <small>(26 28 16 16-0627)</small>			
26 28 16 16-0637	EA	800 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833B120480)	7,404.10	1,066.61
26 28 16 16-0638	EA	1,200 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233B120480)	8,116.63	1,279.93
26 28 16 16-0639	EA	1,600 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633B120480)	8,833.19	1,493.25
26 28 16 16-0640	EA	2,000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033B120480)	9,561.83	1,706.57
26 28 16 16-0641	EA	2,500 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533B120480)	10,761.59	1,919.89
26 28 16 16-0642	EA	3,000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033B120480)	13,817.63	2,133.22
26 28 16 16-0643	EA	4,000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033B120480)	18,069.40	2,559.86
26 28 16 16-0644	Manually Operated, Bolted Contact Switches <small>(26 28 16 16-0626)</small>			
26 28 16 16-0645	Top Feed, Manually Operated, Bolted Contact Switches <small>(26 28 16 16-0644)</small>			
26 28 16 16-0646	EA	800 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833T480)	5,257.90	1,066.61
26 28 16 16-0647	EA	1,200 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233T480)	5,914.86	1,279.93
26 28 16 16-0648	EA	1,600 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633T480)	6,604.84	1,493.25
26 28 16 16-0649	EA	2,000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033T480)	7,289.99	1,706.57
26 28 16 16-0650	EA	2,500 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533T480)	8,015.42	1,919.89
26 28 16 16-0651	EA	3,000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033T480)	10,443.30	2,133.22
26 28 16 16-0652	EA	4,000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033T480)	14,590.38	2,559.86
26 28 16 16-0653	Bottom Feed, Manually Operated, Bolted Contact Switches <small>(26 28 16 16-0644)</small>			
26 28 16 16-0654	EA	800 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833B480)	5,516.41	1,066.61
26 28 16 16-0655	EA	1,200 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233B480)	6,305.45	1,279.93
26 28 16 16-0656	EA	1,600 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633B480)	6,983.35	1,493.25
26 28 16 16-0657	EA	2,000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033B480)	7,790.10	1,706.57
26 28 16 16-0658	EA	2,500 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533B480)	8,643.58	1,919.89
26 28 16 16-0659	EA	3,000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033B480)	11,687.54	2,133.22
26 28 16 16-0660	EA	4,000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033B480)	15,895.01	2,559.86
26 29	Low-Voltage Controllers <small>(26 20)</small>			
26 29 13	Enclosed Controllers <small>(26 29)</small>			
26 29 13 13	Across-The-Line Motor Controllers <small>(26 29 13)</small>			
26 29 13 13-0001	Manual Motor Starters <small>(26 29 13 13)</small>			
26 29 13 13-0002	Fractional HP Manual Motor Starters <small>(26 29 13 13-0001)</small>			
26 29 13 13-0003	EA	NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1)	212.97	53.43
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-2.96	
		For Oversized Enclosure, Add	29.61	
		For Pilot Light, Add	43.43	
26 29 13 13-0004	EA	NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2)	279.08	69.46
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-2.96	
		For Oversized Enclosure, Add	29.61	
		For Pilot Light, Add	43.43	
26 29 13 13-0005	EA	NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3)	242.58	53.43
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-2.96	
		For Oversized Enclosure, Add	29.61	
		For Pilot Light, Add	43.43	
26 29 13 13-0006	EA	NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4)	308.69	69.46
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-2.96	
		For Oversized Enclosure, Add	29.61	
		For Pilot Light, Add	43.43	
26 29 13 13-0007	EA	NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5)	225.80	53.43
		For Oversized Enclosure, Add	29.61	
26 29 13 13-0008	EA	NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6)	295.86	69.46
		For Oversized Enclosure, Add	29.61	



		Electrical	26
		Low-Voltage Electrical Distribution	26 20
		Low-Voltage Controllers	26 29

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0009	EA	NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1).....	465.28	64.12
		<i>For Pilot Light, Add</i>	113.50	
26 29 13 13-0010	EA	NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2).....	534.36	80.14
		<i>For Pilot Light, Add</i>	113.50	
26 29 13 13-0011	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1).....	494.89	64.12
26 29 13 13-0012	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2).....	561.01	80.14
26 29 13 13-0013 Non Reversing Manual Motor Starters (26 29 13 13-0001)				
26 29 13 13-0014	EA	NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1).....	169.71	53.43
		Note: NEMA 1 or flush cover plate installation.		
		<i>For Oversize Enclosure, Add</i>	14.28	
		<i>For Pilot Light, Add</i>	68.57	
26 29 13 13-0015	EA	NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2).....	280.82	69.46
		Note: NEMA 1 or flush cover plate installation.		
		<i>For Oversize Enclosure, Add</i>	14.28	
		<i>For Pilot Light, Add</i>	68.57	
26 29 13 13-0016	EA	NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5).....	191.82	58.78
		Note: NEMA 1 or flush cover plate installation.		
		<i>For Oversize Enclosure, Add</i>	14.28	
		<i>For Pilot Light, Add</i>	68.57	
26 29 13 13-0017	EA	NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6).....	303.88	74.81
		Note: NEMA 1 or flush cover plate installation.		
		<i>For Oversize Enclosure, Add</i>	14.28	
		<i>For Pilot Light, Add</i>	68.57	
26 29 13 13-0018	EA	NEMA 1, Non Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3).....	197.33	53.43
		Note: NEMA 1 or flush cover plate installation.		
		<i>For Oversize Enclosure, Add</i>	14.28	
		<i>For Pilot Light, Add</i>	68.57	
26 29 13 13-0019	EA	NEMA 1, Non Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4).....	309.39	69.46
		Note: NEMA 1 or flush cover plate installation.		
		<i>For Oversize Enclosure, Add</i>	14.28	
		<i>For Pilot Light, Add</i>	68.57	
26 29 13 13-0020	EA	NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1).....	427.26	64.12
		<i>For Pilot Light, Add</i>	108.57	
26 29 13 13-0021	EA	NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2).....	527.89	80.14
		<i>For Pilot Light, Add</i>	108.57	
26 29 13 13-0022	EA	NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5).....	450.33	69.46
		<i>For Pilot Light, Add</i>	108.57	
26 29 13 13-0023	EA	NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6).....	548.10	85.48
		<i>For Pilot Light, Add</i>	108.57	
26 29 13 13-0024	EA	NEMA 3R, 7 And 9, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1).....	453.93	64.12
26 29 13 13-0025	EA	NEMA 3R, 7 And 9, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2).....	562.17	80.14
26 29 13 13-0026	EA	Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1).....	124.33	37.40
		<i>For Pilot Light, Add</i>	68.57	
26 29 13 13-0027	EA	Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2).....	235.42	53.43
		<i>For Pilot Light, Add</i>	68.57	
26 29 13 13-0028	EA	Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5).....	146.43	42.75
		<i>For Pilot Light, Add</i>	68.57	
26 29 13 13-0029	EA	Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6).....	257.53	58.78
		<i>For Pilot Light, Add</i>	68.57	
26 29 13 13-0030 Reversing Manual Motor Starters (26 29 13 13-0001)				
26 29 13 13-0031	EA	NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11).....	465.67	96.17
		<i>For Pilot Light, Add</i>	110.47	
26 29 13 13-0032	EA	NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22).....	676.44	128.23
		<i>For Pilot Light, Add</i>	110.47	
26 29 13 13-0033 Two Speed Manual Motor Starters (26 29 13 13-0001)				
26 29 13 13-0034	EA	NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11).....	465.67	96.17

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0035	EA	NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22).....	676.44	128.23	
26 29 13 13-0036 Non-Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)					
26 29 13 13-0037	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1).....	431.24	64.12	
26 29 13 13-0038	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1).....	431.24	64.12	
26 29 13 13-0039	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW11).....	902.66	74.81	
26 29 13 13-0040	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1).....	902.66	74.81	
26 29 13 13-0041	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1).....	1,182.96	74.81	
26 29 13 13-0042	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1).....	550.32	74.81	
26 29 13 13-0043	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1).....	369.57	48.09	
26 29 13 13-0044	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1).....	512.99	69.46	
26 29 13 13-0045	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1).....	512.99	69.46	
26 29 13 13-0046	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11).....	1,082.12	80.14	
26 29 13 13-0047	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1).....	1,082.12	80.14	
26 29 13 13-0048	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1).....	1,384.13	80.14	
26 29 13 13-0049	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1).....	632.07	80.14	
26 29 13 13-0050	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1).....	451.32	53.43	
26 29 13 13-0051	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2).....	676.65	74.81	
26 29 13 13-0052	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2).....	676.65	74.81	
26 29 13 13-0053	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12).....	1,288.23	85.48	
26 29 13 13-0054	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2).....	1,288.23	85.48	
26 29 13 13-0055	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2).....	1,577.41	85.48	
26 29 13 13-0056	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2).....	798.70	85.48	
26 29 13 13-0057	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2).....	617.94	58.78	
26 29 13 13-0058	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2).....	533.88	80.14	
26 29 13 13-0059	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2).....	533.88	80.14	
26 29 13 13-0060	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12).....	1,005.30	90.83	
26 29 13 13-0061	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2).....	1,005.30	90.83	
26 29 13 13-0062	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2).....	1,293.49	90.83	
26 29 13 13-0063	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2).....	653.94	90.83	
26 29 13 13-0064	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2).....	475.17	64.12	
26 29 13 13-0065	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3).....	615.63	85.48	
26 29 13 13-0066	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3).....	615.63	85.48	
26 29 13 13-0067	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13).....	1,184.76	96.17	
26 29 13 13-0068	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3).....	1,184.76	96.17	
26 29 13 13-0069	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3).....	1,493.68	96.17	
26 29 13 13-0070	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3).....	734.71	96.17	
26 29 13 13-0071	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3).....	553.96	69.46	
26 29 13 13-0072 Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)					
26 29 13 13-0073	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1).....	1,259.25	112.20	
26 29 13 13-0074	EA	NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1).....	1,259.25	112.20	
26 29 13 13-0075	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1).....	1,111.25	80.14	



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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0076	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1)	1,490.84	122.89
26 29 13 13-0077	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1)	1,342.84	90.83
26 29 13 13-0078 Two Speed Integral HP Manual Motor Starters (26 29 13 13-0001)				
26 29 13 13-0079	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1)	1,259.25	112.20
26 29 13 13-0080	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1)	1,111.25	80.14
26 29 13 13-0081	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1)	1,490.84	122.89
26 29 13 13-0082	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1)	1,342.84	90.83
26 29 13 13-0083 Magnetic Motor Starters (26 29 13 13)				
26 29 13 13-0084 Non Reversing, Magnetic Contactors (26 29 13 13-0083)				
26 29 13 13-0085 Open Enclosure, Non Reversing, Magnetic Contactors (26 29 13 13-0084)				
26 29 13 13-0086	EA	Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO11)	496.98	106.86
		For Factory Installed Accessory, Deduct	-213.72	
26 29 13 13-0087	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO12)	559.80	117.54
		For Factory Installed Accessory, Deduct	-235.09	
26 29 13 13-0088	EA	Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO5)	538.43	106.86
		For Factory Installed Accessory, Deduct	-213.72	
26 29 13 13-0089	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO1)	602.24	117.54
		For Factory Installed Accessory, Deduct	-235.09	
26 29 13 13-0090	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO2)	665.06	128.23
		For Factory Installed Accessory, Deduct	-256.46	
26 29 13 13-0091	EA	Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO3)	840.71	160.29
		For Factory Installed Accessory, Deduct	-320.58	
26 29 13 13-0092	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO4)	1,059.77	192.35
		For Factory Installed Accessory, Deduct	-384.69	
26 29 13 13-0093	EA	Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO5)	628.89	117.54
		For Factory Installed Accessory, Deduct	-235.09	
26 29 13 13-0094	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO1)	691.71	128.23
		For Factory Installed Accessory, Deduct	-256.46	
26 29 13 13-0095	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO2)	756.50	138.92
		For Factory Installed Accessory, Deduct	-277.83	
26 29 13 13-0096	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO3)	965.19	187.01
		For Factory Installed Accessory, Deduct	-374.00	
26 29 13 13-0097	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO4)	1,183.27	219.07
		For Factory Installed Accessory, Deduct	-438.12	
26 29 13 13-0098	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO1)	1,072.67	128.23
		For Factory Installed Accessory, Deduct	-256.46	
26 29 13 13-0099	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO2)	1,191.07	160.29
		For Factory Installed Accessory, Deduct	-320.58	
26 29 13 13-0100	EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO3)	1,551.57	213.72
		For Factory Installed Accessory, Deduct	-427.43	
26 29 13 13-0101	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO1)	1,613.49	160.29
		For Factory Installed Accessory, Deduct	-320.58	
26 29 13 13-0102	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO2)	1,833.84	213.72
		For Factory Installed Accessory, Deduct	-427.43	
26 29 13 13-0103	EA	Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO3)	2,333.51	267.14
		For Factory Installed Accessory, Deduct	-534.29	
26 29 13 13-0104	EA	Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO4)	3,340.48	320.58
		For Factory Installed Accessory, Deduct	-641.16	
26 29 13 13-0105	EA	Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO1)	3,655.04	267.14
		For Factory Installed Accessory, Deduct	-534.29	
26 29 13 13-0106	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO2)	4,015.56	320.58
		For Factory Installed Accessory, Deduct	-641.16	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0107	EA	Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO3).....	5,442.95	374.00
		<i>For Factory Installed Accessory, Deduct</i>	-748.01	
26 29 13 13-0108	EA	Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO1).....	7,403.78	320.58
		<i>For Factory Installed Accessory, Deduct</i>	-641.16	
26 29 13 13-0109	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO2).....	8,208.67	427.43
		<i>For Factory Installed Accessory, Deduct</i>	-854.87	
26 29 13 13-0110	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHO2).....	21,355.98	641.16
		<i>For Factory Installed Accessory, Deduct</i>	-1,282.30	
26 29 13 13-0111	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJO2).....	30,572.79	961.73
		<i>For Factory Installed Accessory, Deduct</i>	-1,923.46	
26 29 13 13-0112		NEMA 1, Non Reversing, Magnetic Contactors (26 29 13 13-0084)		
26 29 13 13-0113	EA	Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG11).....	527.57	106.86
		<i>For Factory Installed Accessory, Deduct</i>	-213.72	
26 29 13 13-0114	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG12).....	590.39	117.54
		<i>For Factory Installed Accessory, Deduct</i>	-235.09	
26 29 13 13-0115	EA	Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG5).....	569.02	106.86
		<i>For Factory Installed Accessory, Deduct</i>	-213.72	
26 29 13 13-0116	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG1).....	633.82	117.54
		<i>For Factory Installed Accessory, Deduct</i>	-235.09	
26 29 13 13-0117	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG2).....	696.64	128.23
		<i>For Factory Installed Accessory, Deduct</i>	-256.46	
26 29 13 13-0118	EA	Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG3).....	874.26	160.29
		<i>For Factory Installed Accessory, Deduct</i>	-320.58	
26 29 13 13-0119	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG4).....	1,094.31	192.35
		<i>For Factory Installed Accessory, Deduct</i>	-384.69	
26 29 13 13-0120	EA	Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG5).....	661.45	117.54
		<i>For Factory Installed Accessory, Deduct</i>	-235.09	
26 29 13 13-0121	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG1).....	726.25	128.23
		<i>For Factory Installed Accessory, Deduct</i>	-256.46	
26 29 13 13-0122	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG2).....	789.07	138.92
		<i>For Factory Installed Accessory, Deduct</i>	-277.83	
26 29 13 13-0123	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG3).....	998.74	187.01
		<i>For Factory Installed Accessory, Deduct</i>	-374.00	
26 29 13 13-0124	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG4).....	1,215.84	219.07
		<i>For Factory Installed Accessory, Deduct</i>	-438.12	
26 29 13 13-0125	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG1).....	1,218.74	128.23
		<i>For Factory Installed Accessory, Deduct</i>	-256.46	
26 29 13 13-0126	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG2).....	1,338.13	160.29
		<i>For Factory Installed Accessory, Deduct</i>	-320.58	
26 29 13 13-0127	EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG3).....	1,697.64	213.72
		<i>For Factory Installed Accessory, Deduct</i>	-427.43	
26 29 13 13-0128	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG1).....	1,900.70	160.29
		<i>For Factory Installed Accessory, Deduct</i>	-320.58	
26 29 13 13-0129	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG2).....	2,120.06	213.72
		<i>For Factory Installed Accessory, Deduct</i>	-427.43	
26 29 13 13-0130	EA	Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG3).....	2,620.71	267.14
		<i>For Factory Installed Accessory, Deduct</i>	-534.29	
26 29 13 13-0131	EA	Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG1).....	4,250.18	267.14
		<i>For Factory Installed Accessory, Deduct</i>	-534.29	
26 29 13 13-0132	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG2).....	4,610.69	320.58
		<i>For Factory Installed Accessory, Deduct</i>	-641.16	
26 29 13 13-0133	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGG2).....	9,293.34	427.43
		<i>For Factory Installed Accessory, Deduct</i>	-854.87	
26 29 13 13-0134	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHG2).....	26,125.93	641.16
		<i>For Factory Installed Accessory, Deduct</i>	-1,282.30	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0135 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJG2).....	35,356.56	961.73
For Factory Installed Accessory, Deduct	-1,923.46	
26 29 13 13-0136 NEMA 12, Non Reversing, Magnetic Contactors (26 29 13 13-0084)		
26 29 13 13-0137 EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA1).....	802.59	117.54
For Factory Installed Accessory, Deduct	-235.09	
26 29 13 13-0138 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA2).....	865.41	128.23
For Factory Installed Accessory, Deduct	-256.46	
26 29 13 13-0139 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCA2).....	957.84	138.92
For Factory Installed Accessory, Deduct	-277.83	
26 29 13 13-0140 EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA1).....	1,526.67	128.23
For Factory Installed Accessory, Deduct	-256.46	
26 29 13 13-0141 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA2).....	1,647.05	160.29
For Factory Installed Accessory, Deduct	-320.58	
26 29 13 13-0142 EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA1).....	2,265.87	160.29
For Factory Installed Accessory, Deduct	-320.58	
26 29 13 13-0143 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA2).....	2,484.24	213.72
For Factory Installed Accessory, Deduct	-427.43	
26 29 13 13-0144 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFA2).....	5,819.71	320.58
For Factory Installed Accessory, Deduct	-641.16	
26 29 13 13-0145 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGA2).....	12,387.44	427.43
For Factory Installed Accessory, Deduct	-854.87	
26 29 13 13-0146 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHA2).....	29,919.79	641.16
For Factory Installed Accessory, Deduct	-1,282.30	
26 29 13 13-0147 NEMA 4/4X, Non Reversing, Magnetic Contactors (26 29 13 13-0084)		
Note: Brushed stainless steel enclosure.		
26 29 13 13-0148 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBW12).....	1,189.13	128.23
For Factory Installed Accessory, Deduct	-256.46	
26 29 13 13-0149 EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW11).....	1,232.56	128.23
For Factory Installed Accessory, Deduct	-256.46	
26 29 13 13-0150 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW12).....	1,295.38	138.92
For Factory Installed Accessory, Deduct	-277.83	
26 29 13 13-0151 EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW13).....	1,505.05	187.01
For Factory Installed Accessory, Deduct	-374.00	
26 29 13 13-0152 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDW12).....	2,350.75	160.29
For Factory Installed Accessory, Deduct	-320.58	
26 29 13 13-0153 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEW12).....	3,553.12	213.72
For Factory Installed Accessory, Deduct	-427.43	
26 29 13 13-0154 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFW12).....	7,057.35	320.58
For Factory Installed Accessory, Deduct	-641.16	
26 29 13 13-0155 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGW12).....	12,387.44	427.43
For Factory Installed Accessory, Deduct	-854.87	
26 29 13 13-0156 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHW2).....	33,153.05	641.16
For Factory Installed Accessory, Deduct	-1,282.30	
26 29 13 13-0157 NEMA 7/9, Non Reversing, Magnetic Contactors (26 29 13 13-0084)		
Note: Bolted cast iron enclosure.		
26 29 13 13-0158 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 7/9 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBT2).....	2,384.95	170.98
For Factory Installed Accessory, Deduct	-341.95	
26 29 13 13-0159 Non Reversing, Magnetic Starters (26 29 13 13-0083)		
26 29 13 13-0160 Open Enclosure, Non Reversing, Magnetic Starters (26 29 13 13-0159)		
26 29 13 13-0161 EA Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO11).....	594.68	106.86
For Factory Installed Accessory, Deduct	-213.72	
26 29 13 13-0162 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO12).....	616.05	117.54
For Factory Installed Accessory, Deduct	-235.09	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0163	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO1).....	664.42	117.54
		<i>For Factory Installed Accessory, Deduct</i>	-235.09	
26 29 13 13-0164	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO2).....	735.13	128.23
		<i>For Factory Installed Accessory, Deduct</i>	-256.46	
26 29 13 13-0165	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO4).....	1,183.14	192.35
		<i>For Factory Installed Accessory, Deduct</i>	-384.69	
26 29 13 13-0166	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO1).....	756.85	128.23
		<i>For Factory Installed Accessory, Deduct</i>	-256.46	
26 29 13 13-0167	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO3).....	889.74	138.92
		<i>For Factory Installed Accessory, Deduct</i>	-277.83	
26 29 13 13-0168	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO2).....	931.19	138.92
		<i>For Factory Installed Accessory, Deduct</i>	-277.83	
26 29 13 13-0169	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO6).....	1,162.48	128.23
		<i>For Factory Installed Accessory, Deduct</i>	-256.46	
26 29 13 13-0170	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO1).....	1,318.39	160.29
		<i>For Factory Installed Accessory, Deduct</i>	-320.58	
26 29 13 13-0171	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEO1).....	2,044.06	213.72
		<i>For Factory Installed Accessory, Deduct</i>	-427.43	
26 29 13 13-0172	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFO1).....	4,339.28	320.58
		<i>For Factory Installed Accessory, Deduct</i>	-641.16	
26 29 13 13-0173	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGO1).....	9,887.48	427.43
		<i>For Factory Installed Accessory, Deduct</i>	-854.87	
26 29 13 13-0174	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHO2).....	22,754.49	641.16
		<i>For Factory Installed Accessory, Deduct</i>	-1,282.30	
26 29 13 13-0175	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SJO2).....	32,775.67	961.73
		<i>For Factory Installed Accessory, Deduct</i>	-1,923.46	
26 29 13 13-0176		NEMA 1, Non Reversing, Magnetic Starters (26 29 13 13-0159)		
26 29 13 13-0177	EA	Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG11).....	627.25	106.86
		<i>For Factory Installed Accessory, Deduct</i>	-213.72	
26 29 13 13-0178	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG12).....	648.62	117.54
		<i>For Factory Installed Accessory, Deduct</i>	-235.09	
26 29 13 13-0179	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG1).....	696.98	117.54
		<i>For Factory Installed Accessory, Deduct</i>	-235.09	
26 29 13 13-0180	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG2).....	767.70	128.23
		<i>For Factory Installed Accessory, Deduct</i>	-256.46	
26 29 13 13-0181	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG1).....	788.43	128.23
		<i>For Factory Installed Accessory, Deduct</i>	-256.46	
26 29 13 13-0182	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG3).....	860.13	138.92
		<i>For Factory Installed Accessory, Deduct</i>	-277.83	
26 29 13 13-0183	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG2).....	964.75	138.92
		<i>For Factory Installed Accessory, Deduct</i>	-277.83	
26 29 13 13-0184	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG6).....	1,309.54	128.23
		<i>For Factory Installed Accessory, Deduct</i>	-256.46	
26 29 13 13-0185	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG1).....	1,465.45	160.29
		<i>For Factory Installed Accessory, Deduct</i>	-320.58	
26 29 13 13-0186	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEG1).....	2,331.27	213.72
		<i>For Factory Installed Accessory, Deduct</i>	-427.43	
26 29 13 13-0187	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFG1).....	4,934.41	320.58
		<i>For Factory Installed Accessory, Deduct</i>	-641.16	
26 29 13 13-0188	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGG1).....	10,975.11	427.43
		<i>For Factory Installed Accessory, Deduct</i>	-854.87	
26 29 13 13-0189		NEMA 12, Non Reversing, Magnetic Starters (26 29 13 13-0159)		
26 29 13 13-0190	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA1).....	865.75	117.54
		<i>For Factory Installed Accessory, Deduct</i>	-235.09	



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		Low-Voltage Electrical Distribution	26 20
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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0191	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA2)	936.47	128.23
		For Factory Installed Accessory, Deduct	-256.46	
26 29 13 13-0192	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA1)	957.20	128.23
		For Factory Installed Accessory, Deduct	-256.46	
26 29 13 13-0193	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA3)	1,028.90	138.92
		For Factory Installed Accessory, Deduct	-277.83	
26 29 13 13-0194	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA2)	1,133.52	138.92
		For Factory Installed Accessory, Deduct	-277.83	
26 29 13 13-0195	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA6)	1,618.46	128.23
		For Factory Installed Accessory, Deduct	-256.46	
26 29 13 13-0196	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA1)	1,773.38	160.29
		For Factory Installed Accessory, Deduct	-320.58	
26 29 13 13-0197	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEA1)	2,695.45	213.72
		For Factory Installed Accessory, Deduct	-427.43	
26 29 13 13-0198	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFA1)	6,142.45	320.58
		For Factory Installed Accessory, Deduct	-641.16	
26 29 13 13-0199	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGA1)	14,066.25	427.43
		For Factory Installed Accessory, Deduct	-854.87	
26 29 13 13-0200	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHA2)	33,582.38	641.16
		For Factory Installed Accessory, Deduct	-1,282.30	
26 29 13 13-0201 NEMA 3R, Non Reversing, Magnetic Starters (26 29 13 13-0199)				
26 29 13 13-0202	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH1)	865.75	117.54
		For Factory Installed Accessory, Deduct	-235.09	
26 29 13 13-0203	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH2)	936.47	128.23
		For Factory Installed Accessory, Deduct	-256.46	
26 29 13 13-0204	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH1)	957.20	128.23
		For Factory Installed Accessory, Deduct	-256.46	
26 29 13 13-0205	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH3)	1,028.90	138.92
		For Factory Installed Accessory, Deduct	-277.83	
26 29 13 13-0206	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH2)	1,133.52	138.92
		For Factory Installed Accessory, Deduct	-277.83	
26 29 13 13-0207	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH6)	1,618.46	128.23
		For Factory Installed Accessory, Deduct	-256.46	
26 29 13 13-0208	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH1)	1,773.38	160.29
		For Factory Installed Accessory, Deduct	-320.58	
26 29 13 13-0209	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEH1)	2,695.45	213.72
		For Factory Installed Accessory, Deduct	-427.43	
26 29 13 13-0210	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFH1)	6,142.45	320.58
		For Factory Installed Accessory, Deduct	-641.16	
26 29 13 13-0211 NEMA 3R/4X/7/9, Non Reversing, Magnetic Starters (26 29 13 13-0199)				
Note: Bolted cast aluminum enclosure.				
26 29 13 13-0212	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 3R/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT4)	2,485.27	181.66
		For Factory Installed Accessory, Deduct	-363.32	
26 29 13 13-0213	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 3R/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR1)	3,059.68	181.66
		For Factory Installed Accessory, Deduct	-363.32	
26 29 13 13-0214	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 3R/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR3)	3,152.11	192.35
		For Factory Installed Accessory, Deduct	-384.69	
26 29 13 13-0215	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 3R/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDR1)	4,895.38	213.72
		For Factory Installed Accessory, Deduct	-427.43	
26 29 13 13-0216	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 3R/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SET43)	5,902.34	267.14
		For Factory Installed Accessory, Deduct	-534.29	
26 29 13 13-0217	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 3R/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFT41)	9,411.50	374.00
		For Factory Installed Accessory, Deduct	-748.01	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0218	NEMA 4/4X, Non Reversing, Magnetic Starters (26 29 13 13-0159)				
	Note: Brushed stainless steel enclosure.				
26 29 13 13-0219	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW11).....	1,188.49		117.54
		For Factory Installed Accessory, Deduct	-235.09		
26 29 13 13-0220	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW12).....	1,260.19		128.23
		For Factory Installed Accessory, Deduct	-256.46		
26 29 13 13-0221	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW11).....	1,294.74		128.23
		For Factory Installed Accessory, Deduct	-256.46		
26 29 13 13-0222	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW13).....	1,366.44		138.92
		For Factory Installed Accessory, Deduct	-277.83		
26 29 13 13-0223	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW12).....	1,471.06		138.92
		For Factory Installed Accessory, Deduct	-277.83		
26 29 13 13-0224	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW16).....	2,320.18		128.23
		For Factory Installed Accessory, Deduct	-256.46		
26 29 13 13-0225	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW11).....	3,763.34		213.72
		For Factory Installed Accessory, Deduct	-427.43		
26 29 13 13-0226	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW11).....	7,379.10		320.58
		For Factory Installed Accessory, Deduct	-641.16		
26 29 13 13-0227	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGW11).....	16,443.82		427.43
		For Factory Installed Accessory, Deduct	-854.87		
26 29 13 13-0228	NEMA 4X, Non Reversing, Magnetic Starters (26 29 13 13-0159)				
	Note: Glass polyester enclosure.				
26 29 13 13-0229	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW21).....	2,478.06		160.29
		For Factory Installed Accessory, Deduct	-320.58		
26 29 13 13-0230	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW21).....	4,598.30		213.72
		For Factory Installed Accessory, Deduct	-427.43		
26 29 13 13-0231	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW21).....	9,064.82		320.58
		For Factory Installed Accessory, Deduct	-641.16		
26 29 13 13-0232	NEMA 7/9, Non Reversing, Magnetic Starters (26 29 13 13-0159)				
	Note: Bolted cast iron enclosure.				
26 29 13 13-0233	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT1).....	2,405.67		170.98
		For Factory Installed Accessory, Deduct	-341.95		
26 29 13 13-0234	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT2).....	2,485.27		181.66
		For Factory Installed Accessory, Deduct	-363.32		
26 29 13 13-0235	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT1).....	2,520.80		181.66
		For Factory Installed Accessory, Deduct	-363.32		
26 29 13 13-0236	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT3).....	2,596.46		192.35
		For Factory Installed Accessory, Deduct	-384.69		
26 29 13 13-0237	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT2).....	2,716.86		192.35
		For Factory Installed Accessory, Deduct	-384.69		
26 29 13 13-0238	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDT1).....	4,003.17		213.72
		For Factory Installed Accessory, Deduct	-427.43		
26 29 13 13-0239	Reversing, Magnetic Starters (26 29 13 13-0083)				
26 29 13 13-0240	Open Enclosure, Reversing, Magnetic Starters (26 29 13 13-0239)				
26 29 13 13-0241	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13).....	1,129.57		138.92
		For Factory Installed Accessory, Deduct	-277.83		
26 29 13 13-0242	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16).....	1,191.75		138.92
		For Factory Installed Accessory, Deduct	-277.83		
26 29 13 13-0243	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1).....	1,319.71		149.60
		For Factory Installed Accessory, Deduct	-299.20		
26 29 13 13-0244	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2).....	1,368.73		160.29
		For Factory Installed Accessory, Deduct	-320.58		
26 29 13 13-0245	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10).....	1,403.27		160.29
		For Factory Installed Accessory, Deduct	-320.58		



		Electrical	26
		Low-Voltage Electrical Distribution	26 20
		Low-Voltage Controllers	26 29

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0246	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2)	1,501.62	170.98
		For Factory Installed Accessory, Deduct	-341.95	
26 29 13 13-0247	EA	Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3)	1,563.28	187.01
		For Factory Installed Accessory, Deduct	-374.00	
26 29 13 13-0248	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO7)	1,598.81	187.01
		For Factory Installed Accessory, Deduct	-374.00	
26 29 13 13-0249	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1)	2,745.79	213.72
		For Factory Installed Accessory, Deduct	-427.43	
26 29 13 13-0250	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1)	4,492.26	320.58
		For Factory Installed Accessory, Deduct	-641.16	
26 29 13 13-0251	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1)	10,367.41	480.87
		For Factory Installed Accessory, Deduct	-961.73	
26 29 13 13-0252	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1)	19,352.46	641.16
		For Factory Installed Accessory, Deduct	-1,282.30	
26 29 13 13-0253	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1)	62,801.88	1,175.45
		For Factory Installed Accessory, Deduct	-2,350.89	
26 29 13 13-0254 NEMA 1, Reversing, Magnetic Starters (26 29 13 13-0239)				
26 29 13 13-0255	EA	Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13)	1,167.42	128.23
		For Factory Installed Accessory, Deduct	-256.46	
26 29 13 13-0256	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15)	1,218.40	138.92
		For Factory Installed Accessory, Deduct	-277.83	
26 29 13 13-0257	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16)	1,253.93	138.92
		For Factory Installed Accessory, Deduct	-277.83	
26 29 13 13-0258	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1)	1,378.93	149.60
		For Factory Installed Accessory, Deduct	-299.20	
26 29 13 13-0259	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2)	1,429.92	160.29
		For Factory Installed Accessory, Deduct	-320.58	
26 29 13 13-0260	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4)	1,465.45	160.29
		For Factory Installed Accessory, Deduct	-320.58	
26 29 13 13-0261	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2)	1,590.45	170.98
		For Factory Installed Accessory, Deduct	-341.95	
26 29 13 13-0262	EA	Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6)	1,652.11	187.01
		For Factory Installed Accessory, Deduct	-374.00	
26 29 13 13-0263	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8)	1,687.64	187.01
		For Factory Installed Accessory, Deduct	-374.00	
26 29 13 13-0264	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2)	2,976.73	213.72
		For Factory Installed Accessory, Deduct	-427.43	
26 29 13 13-0265	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2)	4,891.98	320.58
		For Factory Installed Accessory, Deduct	-641.16	
26 29 13 13-0266	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3)	11,101.71	480.87
		For Factory Installed Accessory, Deduct	-961.73	
26 29 13 13-0267 NEMA 12, Reversing, Magnetic Starters (26 29 13 13-0239)				
26 29 13 13-0268	EA	Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2)	1,682.58	160.29
		For Factory Installed Accessory, Deduct	-320.58	
26 29 13 13-0269	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4)	1,718.11	160.29
		For Factory Installed Accessory, Deduct	-320.58	
26 29 13 13-0270	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4)	1,940.30	187.01
		For Factory Installed Accessory, Deduct	-374.00	
26 29 13 13-0271	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1)	3,399.15	213.72
		For Factory Installed Accessory, Deduct	-427.43	
26 29 13 13-0272 NEMA 4X, Reversing, Magnetic Starters (26 29 13 13-0239)				
		Note: Brushed stainless steel enclosure.		
26 29 13 13-0273	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14)	2,110.92	160.29
		For Factory Installed Accessory, Deduct	-320.58	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0274	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11).....	2,490.55	170.98
		For Factory Installed Accessory, Deduct	-341.95	
26 29 13 13-0275 Magnetic Contactor/Starters Accessories (26 29 13 13-0083)				
26 29 13 13-0276	EA	NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2)	157.28	13.36
		For Factory Installed Accessory, Deduct	-26.72	
26 29 13 13-0277	EA	NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3).....	268.70	13.36
		For Factory Installed Accessory, Deduct	-26.72	
26 29 13 13-0278	EA	NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2).....	157.28	13.36
		For Factory Installed Accessory, Deduct	-26.72	
26 29 13 13-0279	EA	NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8).....	268.70	13.36
		For Factory Installed Accessory, Deduct	-26.72	
26 29 13 13-0280	EA	NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R).....	268.70	13.36
		For Factory Installed Accessory, Deduct	-26.72	
26 29 13 13-0281	EA	Internal Nonconvertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11).....	132.79	10.69
		For Factory Installed Accessory, Deduct	-21.37	
26 29 13 13-0282	EA	External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6).....	118.16	10.69
		For Factory Installed Accessory, Deduct	-21.37	
26 29 13 13-0283	EA	External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8)	157.28	13.36
		For Factory Installed Accessory, Deduct	-26.72	
26 29 13 13-0284	EA	External Field Non Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13).....	132.79	10.69
		For Factory Installed Accessory, Deduct	-21.37	
26 29 13 13-0285	EA	External Field Non Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15).....	177.53	13.36
		For Factory Installed Accessory, Deduct	-26.72	
26 29 13 13-0286	EA	30 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6).....	199.20	10.69
		For Factory Installed Accessory, Deduct	-21.37	
26 29 13 13-0287	EA	45 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11).....	344.38	10.69
		For Factory Installed Accessory, Deduct	-21.37	
26 29 13 13-0288	EA	60 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21).....	365.77	10.69
		For Factory Installed Accessory, Deduct	-21.37	
26 29 13 13-0289	EA	30 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8).....	437.52	13.36
		For Factory Installed Accessory, Deduct	-26.72	
26 29 13 13-0290	EA	45 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13).....	765.03	13.36
		For Factory Installed Accessory, Deduct	-26.72	
26 29 13 13-0291	EA	60 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23).....	765.03	13.36
		For Factory Installed Accessory, Deduct	-26.72	
26 29 13 13-0292	EA	Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1)	45.41	8.02
		For Factory Installed Accessory, Deduct	-16.03	
26 29 13 13-0293	EA	1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3)	93.40	10.69
		For Factory Installed Accessory, Deduct	-21.37	
26 29 13 13-0294	EA	2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4)	123.51	13.36
		For Factory Installed Accessory, Deduct	-26.72	
26 29 13 13-0295	EA	Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1)	96.50	13.36
		For Factory Installed Accessory, Deduct	-26.72	
26 29 13 13-0296	EA	Terminal Block, Contactor/Starter Accessory (Square D 9999T7).....	53.52	8.02
		For Factory Installed Accessory, Deduct	-16.03	
26 29 13 13-0297	EA	Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1)	32.13	8.02
		For Factory Installed Accessory, Deduct	-16.03	
26 29 13 13-0298	EA	1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39).....	173.31	10.69
		For Factory Installed Accessory, Deduct	-21.37	
26 29 13 13-0299	EA	2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40).....	300.21	13.36
		For Factory Installed Accessory, Deduct	-26.72	
26 29 13 13-0300 Definite Purpose Starters (26 29 13 13)				
26 29 13 13-0301 Open Enclosure, Definite Purpose Starter (26 29 13 13-0300)				
26 29 13 13-0302	EA	Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13).....	549.59	128.23
		For Factory Installed Accessory, Deduct	-256.46	
26 29 13 13-0303	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22).....	548.60	128.23
		For Factory Installed Accessory, Deduct	-256.46	
26 29 13 13-0304	EA	Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23).....	593.66	138.92
		For Factory Installed Accessory, Deduct	-277.83	
26 29 13 13-0305	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32).....	585.12	128.23
		For Factory Installed Accessory, Deduct	-256.46	
26 29 13 13-0306	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33).....	636.09	138.92
		For Factory Installed Accessory, Deduct	-277.83	
26 29 13 13-0307	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42).....	616.70	128.23
		For Factory Installed Accessory, Deduct	-256.46	
26 29 13 13-0308	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43).....	714.38	160.29
		For Factory Installed Accessory, Deduct	-320.58	



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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0309	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52).....	796.29	160.29
		<i>For Factory Installed Accessory, Deduct</i>	-320.58	
26 29 13 13-0310	EA	Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53).....	1,003.68	187.01
		<i>For Factory Installed Accessory, Deduct</i>	-374.00	
26 29 13 13-0311 NEMA 1, Definite Purpose Starter (26 29 13 13-0300)				
26 29 13 13-0312	EA	NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12).....	562.76	117.54
		<i>For Factory Installed Accessory, Deduct</i>	-235.09	
26 29 13 13-0313	EA	NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13).....	607.82	128.23
		<i>For Factory Installed Accessory, Deduct</i>	-256.46	
26 29 13 13-0314	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22).....	605.84	128.23
		<i>For Factory Installed Accessory, Deduct</i>	-256.46	
26 29 13 13-0315	EA	NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23).....	653.86	138.92
		<i>For Factory Installed Accessory, Deduct</i>	-277.83	
26 29 13 13-0316	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32).....	643.35	128.23
		<i>For Factory Installed Accessory, Deduct</i>	-256.46	
26 29 13 13-0317	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33).....	695.31	138.92
		<i>For Factory Installed Accessory, Deduct</i>	-277.83	
26 29 13 13-0318	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42).....	676.90	128.23
		<i>For Factory Installed Accessory, Deduct</i>	-256.46	
26 29 13 13-0319	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43).....	773.59	160.29
		<i>For Factory Installed Accessory, Deduct</i>	-320.58	
26 29 13 13-0320	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52).....	852.55	160.29
		<i>For Factory Installed Accessory, Deduct</i>	-320.58	
26 29 13 13-0321	EA	NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53).....	1,060.92	187.01
		<i>For Factory Installed Accessory, Deduct</i>	-374.00	
26 29 13 13-0322 Definite Purpose Starter Accessory (26 29 13 13-0300)				
26 29 13 13-0323	EA	Start-Stop Push Button Kit, Definite Purpose Starter Accessory.....	177.53	13.36
		Note: Or Hand-Off-Auto Selector Switch Kit		
		<i>For Factory Installed Accessory, Deduct</i>	-26.72	
26 29 13 13-0324 Panel Mounted Miniature Contactor (26 29 13 13)				
26 29 13 13-0325 Non Reversing, Panel Mounted Miniature Contactor (26 29 13 13-0324)				
26 29 13 13-0326	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	163.12	53.43
26 29 13 13-0327	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	191.56	58.78
26 29 13 13-0328	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	191.56	58.78
26 29 13 13-0329	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	213.11	64.12
26 29 13 13-0330	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	180.88	53.43
26 29 13 13-0331	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	190.75	53.43
26 29 13 13-0332	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	208.34	58.78
26 29 13 13-0333	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	218.21	58.78
26 29 13 13-0334	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	214.26	58.78
26 29 13 13-0335	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	218.21	58.78
26 29 13 13-0336	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	232.85	64.12

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0337 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	224.13	58.78
26 29 13 13-0338 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	242.72	64.12
26 29 13 13-0339 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	226.11	58.78
26 29 13 13-0340 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	226.11	58.78
26 29 13 13-0341 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	252.59	64.12
26 29 13 13-0342 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	252.59	64.12
26 29 13 13-0343 Reversing, Panel Mounted Miniature Contactor (26 29 13 13-0324)		
26 29 13 13-0344 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	235.16	53.43
26 29 13 13-0345 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	254.90	53.43
26 29 13 13-0346 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	282.36	58.78
26 29 13 13-0347 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	282.36	58.78
26 29 13 13-0348 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	302.10	58.78
26 29 13 13-0349 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	316.74	64.12
26 29 13 13-0350 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	316.74	64.12
26 29 13 13-0351 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	271.68	53.43
26 29 13 13-0352 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	291.42	53.43
26 29 13 13-0353 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	316.90	58.78
26 29 13 13-0354 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	336.64	58.78
26 29 13 13-0355 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	357.20	64.12
26 29 13 13-0356 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	376.94	64.12
26 29 13 13-0357 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	306.05	58.78
26 29 13 13-0358 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	352.44	58.78
26 29 13 13-0359 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	398.66	64.12
26 29 13 13-0360 Panel Mounted Miniature Contactor Accessories (26 29 13 13-0324)		
26 29 13 13-0361 EA 2 Auxiliary Contacts, 10 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02)	68.93	26.72
26 29 13 13-0362 EA 4 Auxiliary Contacts, 10 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40)	76.55	26.72
26 29 13 13-0363 EA Electronic Time Delay Contact, 2 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U)	90.35	26.72
26 29 13 13-0364 EA Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301)	117.79	26.72
26 29 13 13-0365 Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole (26 29 13 13)		
26 29 13 13-0366 NEMA 1 Enclosure (26 29 13 13-0365)		
26 29 13 13-0367 EA Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	7,012.56	511.98
For NEMA 4, Add	745.86	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0368 EA Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing..... For NEMA 4, Add	12,266.33 1,362.36	682.62
26 29 13 13-0369 EA Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing..... For NEMA 4, Add	21,508.21 2,486.52	810.63
26 29 13 13-0370 EA Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing..... For NEMA 4, Add	52,538.83 6,320.45	991.94
26 29 13 13-0371 EA Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing..... For NEMA 4, Add	83,849.72 10,163.77	1,269.26
26 29 13 13-0372 NEMA 12 Enclosure (26 29 13 13-0365)		
26 29 13 13-0373 EA Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	6,962.86	522.85
26 29 13 13-0374 EA Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	12,175.55	683.70
26 29 13 13-0375 EA Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	21,342.52	808.06
26 29 13 13-0376 EA Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	52,117.67	987.57
26 29 13 13-0377 EA Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	83,172.46	1,269.80
26 29 13 13-0378 Factory Modifications Pilot Devices (26 29 13 13-0365)		
26 29 13 13-0379 EA Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	175.73	
26 29 13 13-0380 EA H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	193.81	
26 29 13 13-0381 EA Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	329.90	
26 29 13 13-0382 EA Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	179.24	
26 29 13 13-0383 EA Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	257.73	
26 29 13 13-0384 EA Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	128.87	
26 29 13 13-0385 EA Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	420.61	
26 29 13 13-0386 Factory Modifications Meters (26 29 13 13-0365)		
26 29 13 13-0387 EA Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	1,690.71	
26 29 13 13-0388 EA Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	1,633.00	
26 29 13 13-0389 EA Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	577.32	
26 29 13 13-0390 EA Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	478.36	
26 29 13 13-0391 Factory Modifications Main Circuit Breakers (26 29 13 13-0365)		
26 29 13 13-0392 EA Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker.....	2,234.53	
26 29 13 13-0393 EA Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker.....	4,086.67	
26 29 13 13-0394 EA Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker.....	8,692.75	
26 29 13 13-0395 Factory Modifications Addition (26 29 13 13-0365)		
Note: For reversing service auto transformer type.		
26 29 13 13-0396 EA Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase.....	375.27	
26 29 13 13-0397 EA Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase.....	375.27	
26 29 13 13-0398 EA Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase.....	375.27	
26 29 13 13-0399 EA Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase.....	375.27	
26 29 13 13-0400 Combination Starters Non-Reversing (26 29 13 13)		
26 29 13 13-0401 240-600 Volt, 3-Pole (26 29 13 13-0400)		
26 29 13 13-0402 NEMA 1 With Disconnect Switch (26 29 13 13-0401)		
26 29 13 13-0403 EA Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase..... For Electronic Overloads, Add	1,591.49 208.56	245.32
26 29 13 13-0404 EA Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase..... For Electronic Overloads, Add	1,930.90 220.02	383.97
26 29 13 13-0405 EA Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase..... For Electronic Overloads, Add	2,722.34 348.37	447.98
26 29 13 13-0406 EA Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase..... For Electronic Overloads, Add	4,162.87 579.85	554.63
26 29 13 13-0407 EA Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase..... For Electronic Overloads, Add	7,664.19 1,118.44	885.28
26 29 13 13-0408 EA Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase..... For Electronic Overloads, Add	15,438.61 2,511.14	1,109.28
26 29 13 13-0409 NEMA 1 With Circuit Breaker (26 29 13 13-0401)		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0410	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,025.74	245.32
		<i>For Electronic Overloads, Add</i>	291.07	
26 29 13 13-0411	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,365.15	383.97
		<i>For Electronic Overloads, Add</i>	302.53	
26 29 13 13-0412	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,144.53	447.98
		<i>For Electronic Overloads, Add</i>	428.58	
26 29 13 13-0413	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,392.06	554.63
		<i>For Electronic Overloads, Add</i>	623.39	
26 29 13 13-0414	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	8,979.01	885.28
		<i>For Electronic Overloads, Add</i>	1,368.25	
26 29 13 13-0415	EA	Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	18,924.68	1,109.28
		<i>For Electronic Overloads, Add</i>	3,173.49	
26 29 13 13-0416		Factory Modifications For NEMA 1 Enclosure (26 29 13 13-0401)		
26 29 13 13-0417	EA	Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	197.75	
26 29 13 13-0418	EA	H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	464.48	
26 29 13 13-0419	EA	Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	320.57	
26 29 13 13-0420		NEMA 4 With Disconnect Switch (26 29 13 13-0401)		
26 29 13 13-0421	EA	Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,914.09	319.98
		<i>For Electronic Overloads, Add</i>	428.58	
26 29 13 13-0422	EA	Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,204.84	447.98
		<i>For Electronic Overloads, Add</i>	440.04	
26 29 13 13-0423	EA	Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	4,606.36	490.64
		<i>For Electronic Overloads, Add</i>	687.56	
26 29 13 13-0424	EA	Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	7,349.07	597.30
		<i>For Electronic Overloads, Add</i>	1,171.15	
26 29 13 13-0425	EA	Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	11,644.83	885.28
		<i>For Electronic Overloads, Add</i>	1,874.76	
26 29 13 13-0426	EA	Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	25,595.25	1,109.28
		<i>For Electronic Overloads, Add</i>	4,440.90	
26 29 13 13-0427		NEMA 4 With Circuit Breaker (26 29 13 13-0401)		
26 29 13 13-0428	EA	Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,348.34	319.98
		<i>For Electronic Overloads, Add</i>	511.09	
26 29 13 13-0429	EA	Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,639.10	447.98
		<i>For Electronic Overloads, Add</i>	522.55	
26 29 13 13-0430	EA	Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,028.55	490.64
		<i>For Electronic Overloads, Add</i>	767.78	
26 29 13 13-0431	EA	Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	7,578.26	597.30
		<i>For Electronic Overloads, Add</i>	1,214.70	
26 29 13 13-0432	EA	Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	12,959.64	885.28
		<i>For Electronic Overloads, Add</i>	2,124.57	
26 29 13 13-0433	EA	Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	24,232.19	1,109.28
		<i>For Electronic Overloads, Add</i>	4,181.92	
26 29 13 13-0434		Factory Modifications For NEMA 4 Enclosure (26 29 13 13-0401)		
26 29 13 13-0435	EA	Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	197.78	
26 29 13 13-0436	EA	H-O-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	464.48	
26 29 13 13-0437	EA	Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	320.57	
26 29 13 13-0438		NEMA 12 With Disconnect Switch (26 29 13 13-0401)		
26 29 13 13-0439	EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,646.37	246.92
		<i>For Electronic Overloads, Add</i>	218.99	
26 29 13 13-0440	EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,988.80	386.43
		<i>For Electronic Overloads, Add</i>	231.02	
26 29 13 13-0441	EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,814.02	444.46
		<i>For Electronic Overloads, Add</i>	365.78	
26 29 13 13-0442	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	4,315.46	555.49
		<i>For Electronic Overloads, Add</i>	608.84	
26 29 13 13-0443	EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	7,958.51	888.91
		<i>For Electronic Overloads, Add</i>	1,174.36	
26 29 13 13-0444	EA	Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	16,099.42	1,110.98
		<i>For Electronic Overloads, Add</i>	2,636.69	
26 29 13 13-0445		NEMA 12 With Circuit Breaker (26 29 13 13-0401)		
26 29 13 13-0446	EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,164.90	246.92
		<i>For Electronic Overloads, Add</i>	317.51	
26 29 13 13-0447	EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,509.79	386.43
		<i>For Electronic Overloads, Add</i>	330.01	
26 29 13 13-0448	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,349.43	444.46
		<i>For Electronic Overloads, Add</i>	467.51	
26 29 13 13-0449	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,690.09	555.49
		<i>For Electronic Overloads, Add</i>	680.02	
26 29 13 13-0450	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	9,633.16	888.91
		<i>For Electronic Overloads, Add</i>	1,492.54	



Electrical		26
Low-Voltage Electrical Distribution		26 20
Low-Voltage Controllers		26 29

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MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0451	EA	Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	20,441.90 3,461.76	1,110.98
26 29 13 13-0452		Factory Modifications For NEMA 12 Enclosure (26 29 13 13-0401)		
26 29 13 13-0453	EA	Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	196.13	
26 29 13 13-0454	EA	H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	460.61	
26 29 13 13-0455	EA	Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	317.90	
26 29 13 13-0456		NEMA 7 Or 9 With Circuit Breaker (26 29 13 13-0401)		
26 29 13 13-0457	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,818.59	511.98
26 29 13 13-0458	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,172.90	682.62
26 29 13 13-0459	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,633.60	938.62
26 29 13 13-0460	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	8,365.42	1,279.93
26 29 13 13-0461	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	12,598.46	1,791.90
26 29 13 13-0462		Factory Modifications For NEMA 7 Or 9 Enclosure (26 29 13 13-0401)		
26 29 13 13-0463	EA	Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	1,176.07	
26 29 13 13-0464	EA	H-O-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 VpIt	1,176.07	
26 29 13 13-0465	EA	Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	1,176.07	
26 29 13 13-0466		Combination Starters Reversing (26 29 13 13)		
26 29 13 13-0467		240-600 Volt, 3 Pole (26 29 13 13-0466)		
26 29 13 13-0468		NEMA 1 With Disconnect Switch (26 29 13 13-0467)		
26 29 13 13-0469	EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,966.49	319.98
26 29 13 13-0470	EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,284.53	447.98
26 29 13 13-0471	EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,320.56	490.64
26 29 13 13-0472	EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	5,051.00	597.30
26 29 13 13-0473	EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	9,874.43	885.28
26 29 13 13-0474		NEMA 1 With Circuit Breaker (26 29 13 13-0467)		
26 29 13 13-0475	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,195.62	319.98
26 29 13 13-0476	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,529.11	447.98
26 29 13 13-0477	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	3,606.88	490.64
26 29 13 13-0478	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,656.82	597.30
26 29 13 13-0479	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	10,648.88	885.28
26 29 13 13-0480		NEMA 12 With Disconnect Switch (26 29 13 13-0467)		
26 29 13 13-0481	EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,099.73	329.26
26 29 13 13-0482	EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,426.69	444.46
26 29 13 13-0483	EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,558.19	493.84
26 29 13 13-0484	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	5,444.77	592.61
26 29 13 13-0485	EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	10,699.13	888.91
26 29 13 13-0486		NEMA 12 With Circuit Breaker (26 29 13 13-0467)		
26 29 13 13-0487	EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,352.19	329.26
26 29 13 13-0488	EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,696.18	444.46
26 29 13 13-0489	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	3,873.67	493.84
26 29 13 13-0490	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	5,010.44	592.61
26 29 13 13-0491	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	11,552.46	888.91
26 29 13 13-0492		NEMA 7 Or 9 With Circuit Breaker (26 29 13 13-0467)		
26 29 13 13-0493	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,632.50	682.62
26 29 13 13-0494	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,980.41	853.28
26 29 13 13-0495	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	7,158.06	1,109.28
26 29 13 13-0496	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	11,381.01	1,450.58
26 29 13 13-0497	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	20,757.94	1,962.56
26 29 13 13-0498		Solid State Motor Controllers (26 29 13 13)		
26 29 13 13-0499		Adjustable Voltage Drives, DC Motors (26 29 13 13-0498)		
26 29 13 13-0500	EA	0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking	1,560.23	191.99
26 29 13 13-0501	EA	0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking	1,880.84	191.99
26 29 13 13-0502		Removal And Reinstallation Of Motor Starters (26 29 13 13) Note: Includes storage and cleaning.		
26 29 13 13-0503	EA	Removal And Reinstallation Of Up To 25 HP Motor Starter With Disconnect	761.86	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 29 13 13-0504 Auxiliary Devices (26 29 13 13)

26 29 13 13-0505	EA	Normally Open, Auxiliary Contact	462.95	106.66
26 29 13 13-0506	EA	Normally Closed, Auxiliary Contact	462.95	106.66
26 29 13 13-0507	EA	Pilot Light Kit	488.14	106.66

26 29 23 Variable-Frequency Motor Controllers (26 29)**26 29 23 00-0001 208/230 Volt Variable Frequency Drives** (26 29 23)

Note: 1 or 3 phase. Wall mounted. ABB ACH550 or ACS550 Series. Includes full voltage bypass. NEMA 1 enclosure.

26 29 23 00-0002	EA	3/4 HP, 208/230 Volt Variable Frequency Drive	1,952.34	380.96
26 29 23 00-0003	EA	1 HP, 208/230 Volt Variable Frequency Drive	2,199.24	416.37
26 29 23 00-0004	EA	1-1/2 HP, 208/230 Volt Variable Frequency Drive	2,557.10	457.83
26 29 23 00-0005	EA	2 HP, 208/230 Volt Variable Frequency Drive	2,698.45	440.07
26 29 23 00-0006	EA	3 HP, 208/230 Volt Variable Frequency Drive	2,892.28	479.80
26 29 23 00-0007	EA	5 HP, 208/230 Volt Variable Frequency Drive	3,130.55	479.80
26 29 23 00-0008	EA	7.5 HP, 208/230 Volt Variable Frequency Drive	3,740.32	572.88
26 29 23 00-0009	EA	10 HP, 208/230 Volt Variable Frequency Drive	4,084.49	572.88
26 29 23 00-0010	EA	15 HP, 208/230 Volt Variable Frequency Drive	5,378.72	862.58
26 29 23 00-0011	EA	20 HP, 208/230 Volt Variable Frequency Drive	6,331.82	862.58
26 29 23 00-0012	EA	25 HP, 208/230 Volt Variable Frequency Drive	7,719.01	1,145.86
26 29 23 00-0013	EA	30 HP, 208/230 Volt Variable Frequency Drive	8,910.38	1,145.86
26 29 23 00-0014	EA	40 HP, 208/230 Volt Variable Frequency Drive	9,942.91	1,145.86
26 29 23 00-0015	EA	50 HP, 208/230 Volt Variable Frequency Drive	13,116.28	1,448.52
26 29 23 00-0016	EA	60 HP, 208/230 Volt Variable Frequency Drive	15,817.43	1,713.56
26 29 23 00-0017	EA	75 HP, 208/230 Volt Variable Frequency Drive	17,935.43	1,713.56

26 29 23 00-0018 460/480 Volt Variable Frequency Drives (26 29 23)

Note: 3 Phase. ABB ACH550 or ACS550 Series. Includes full voltage bypass. NEMA 1 enclosure.

26 29 23 00-0019	EA	3 HP, 480 Volt Variable Frequency Drive	4,653.79	685.45
Note: Wall mounted.				
26 29 23 00-0020	EA	5 HP, 480 Volt Variable Frequency Drive	4,812.64	685.45
Note: Wall mounted.				
26 29 23 00-0021	EA	7.5 HP, 480 Volt Variable Frequency Drive	5,260.42	816.72
Note: Wall mounted.				
26 29 23 00-0022	EA	10 HP, 480 Volt Variable Frequency Drive	5,286.89	816.72
Note: Wall mounted.				
26 29 23 00-0023	EA	15 HP, 480 Volt Variable Frequency Drive	7,083.00	1,238.17
Note: Wall mounted.				
26 29 23 00-0024	EA	20 HP, 480 Volt Variable Frequency Drive	7,453.65	1,238.17
Note: Wall mounted.				
26 29 23 00-0025	EA	25 HP, 480 Volt Variable Frequency Drive	8,958.90	1,633.43
Note: Wall mounted.				
26 29 23 00-0026	EA	30 HP, 480 Volt Variable Frequency Drive	10,282.66	1,633.43
Note: Wall mounted.				
26 29 23 00-0027	EA	40 HP, 480 Volt Variable Frequency Drive	11,659.36	1,633.43
Note: Wall mounted.				
26 29 23 00-0028	EA	50 HP, 480 Volt Variable Frequency Drive	15,269.10	2,074.86
Note: Wall mounted.				
26 29 23 00-0029	EA	60 HP, 480 Volt Variable Frequency Drive	20,382.43	2,460.52
Note: Wall mounted.				
26 29 23 00-0030	EA	75 HP, 480 Volt Variable Frequency Drive	21,653.23	2,460.52
Note: Wall mounted.				
26 29 23 00-0031	EA	100 HP, 480 Volt Variable Frequency Drive	25,074.95	2,741.77
Note: Wall mounted.				
26 29 23 00-0032	EA	125 HP, 480 Volt Variable Frequency Drive	26,451.65	2,741.77
Note: Wall mounted.				
26 29 23 00-0033	EA	150 HP, 480 Volt Variable Frequency Drive	29,310.95	2,741.77
Note: Floor mounted.				
26 29 23 00-0034	EA	200 HP, 480 Volt Variable Frequency Drive	33,834.29	3,309.00
Note: Floor mounted.				
26 29 23 00-0035	EA	250 HP, 480 Volt Variable Frequency Drive	42,372.92	3,456.68
Note: Floor mounted.				
26 29 23 00-0036	EA	300 HP, 480 Volt Variable Frequency Drive	49,699.79	3,966.42
Note: Floor mounted.				
26 29 23 00-0037	EA	350 HP, 480 Volt Variable Frequency Drive	57,189.37	4,301.70
Note: Floor mounted.				
26 29 23 00-0038	EA	400 HP, 480 Volt Variable Frequency Drive	66,298.96	4,644.95
Note: Floor mounted.				
26 29 23 00-0039	EA	450 HP, 480 Volt Variable Frequency Drive	71,452.48	5,036.95
Note: Floor mounted.				

26 29 33 Controllers for Fire Pump Drivers (26 29)**26 29 33 13 Full-Service Controllers for Fire Pump Electric-Motor Drivers** (26 29 33)**26 29 33 13-0001 Electric Controllers For Fire Pumps** (26 29 33 13)**26 29 33 13-0002 Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller** (26 29 33 13-0001)

26 29 33 13-0003	EA	30 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	21,833.65	216.94
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		Electrical	26
		Low-Voltage Electrical Distribution	26 20
		Low-Voltage Controllers	26 29

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 33 13-0004 EA 40 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch.....	24,718.90	241.05
26 29 33 13-0005 EA 50 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch.....	25,917.41	265.15
26 29 33 13-0006 EA 75 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch.....	29,551.37	289.26
26 29 33 13-0007 EA 150 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch.....	31,225.53	337.46
26 29 33 13-0008 EA 175 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch.....	33,282.96	433.89
26 29 33 13-0009 EA 200 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch.....	36,075.85	482.10
26 29 33 13-0010 EA 250 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch.....	41,259.57	549.59
26 29 33 13-0011 EA 300 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch.....	49,722.67	592.97
26 29 33 13-0012 EA 350 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch.....	58,435.01	674.94
26 29 33 13-0013 EA 400 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch.....	69,718.97	723.14
26 29 33 13-0014 EA 500 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch.....	78,708.04	771.35
26 29 33 19 Controllers for Fire Pump Diesel Engine Drivers (26 29 33)		
See CSI section 26 29 33 13-0000 for controllers for fire pump diesel engine drivers.		
26 30 Facility Electrical Power Generating and Storing Equipment		
26 31 Photovoltaic Collectors (26 30)		
26 31 00 00-0001 Photovoltaic Collectors (26 31)		
Note: All materials are to be installed per manufacturers specifications and must be in compliance with the California Energy Commission Guidelines (CEC-300-2011-005-CMF). See CSI section 26 28 13 00-0078 for fuses.		
26 31 00 00-0002 Rigid Photovoltaic Modules (26 31)		
26 31 00 00-0003 Sanyo Rigid Photovoltaic Modules (26 31 00 00-0002)		
26 31 00 00-0004 EA 205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6).....	1,450.53	101.32
For >50, Deduct	-124.79	
26 31 00 00-0005 EA 210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6).....	1,518.17	101.32
For >50, Deduct	-131.55	
26 31 00 00-0006 EA 215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6).....	1,423.99	101.32
For >50, Deduct	-122.13	
26 31 00 00-0007 Sharp Rigid Photovoltaic Modules (26 31 00 00-0002)		
26 31 00 00-0008 EA 224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1).....	1,145.94	101.32
For >50, Deduct	-94.33	
26 31 00 00-0009 EA 230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3).....	1,296.93	101.32
For >50, Deduct	-109.43	
26 31 00 00-0010 EA 235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1).....	1,320.85	101.32
For >50, Deduct	-111.82	
26 31 00 00-0011 EA 240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1).....	1,246.10	101.32
For >50, Deduct	-104.34	
26 31 00 00-0012 BP Solar Rigid Photovoltaic Modules (26 31 00 00-0002)		
Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.		
26 31 00 00-0013 EA 50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J).....	589.76	101.32
For >50, Deduct	-38.71	
26 31 00 00-0014 EA 75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J).....	716.83	101.32
For >50, Deduct	-51.42	
26 31 00 00-0015 EA 80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J).....	767.66	101.32
For >50, Deduct	-56.50	
26 31 00 00-0016 Photovoltaic Inverters (26 31)		
26 31 00 00-0017 Fronius Photovoltaic Inverters (26 31 00 00-0016)		
26 31 00 00-0018 EA 3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1).....	3,391.63	106.66
26 31 00 00-0019 EA 5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1).....	4,457.41	106.66
26 31 00 00-0020 EA 6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1).....	4,702.28	106.66
26 31 00 00-0021 EA 7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1).....	5,251.65	106.66
26 31 00 00-0022 EA 10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1).....	8,286.11	106.66
26 31 00 00-0023 EA 12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1).....	9,623.73	106.66
26 31 00 00-0024 EA 11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta).....	7,897.91	213.33
26 31 00 00-0025 EA 11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3).....	9,968.51	213.33
26 31 00 00-0026 EA Inverter Display Stand (Fronius 4,045,894).....	318.49	53.33
26 31 00 00-0027 SMA Photovoltaic Inverters (26 31 00 00-0016)		
26 31 00 00-0028 EA 4 KW AC Photovoltaic Inverter (SMA Sunny Boy 4000TL-US-22).....	2,534.76	106.66
26 31 00 00-0029 EA 5 KW AC Photovoltaic Inverter (SMA Sunny Boy 5000TL-US-22).....	3,032.34	106.66
26 31 00 00-0030 EA 6 KW AC Photovoltaic Inverter (SMA Sunny Boy 6000TL-US-22).....	3,496.05	106.66
26 31 00 00-0031 EA 7 KW AC Photovoltaic Inverter (SMA Sunny Boy 7000TL-US-22).....	3,850.06	106.66
26 31 00 00-0032 EA 8 KW AC Photovoltaic Inverter (SMA Sunny Boy 8000TL-US-12).....	3,730.81	106.66
26 31 00 00-0033 PVPowered Photovoltaic Inverters (26 31 00 00-0016)		

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 31 Photovoltaic Collectors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0034 EA 120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100)	3,121.10	106.66
26 31 00 00-0035 EA 240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000)	3,261.89	106.66
26 31 00 00-0036 EA 240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500)	3,598.59	106.66
26 31 00 00-0037 EA 240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500)	4,270.19	133.32
26 31 00 00-0038 EA 208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600)	5,205.03	159.99
26 31 00 00-0039 EA 240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800)	5,247.89	159.99
26 31 00 00-0040 EA 240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200)	5,533.14	159.99
26 31 00 00-0041 EA 208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	65,460.45	853.28
26 31 00 00-0042 EA 480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	65,546.54	853.28
26 31 00 00-0043 EA 208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	70,893.70	853.28
26 31 00 00-0044 EA 480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	65,752.01	853.28
26 31 00 00-0045 Solectria Photovoltaic Inverters (26 31 00 00-0016)		
26 31 00 00-0046 EA 208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI)	10,342.32	213.33
26 31 00 00-0047 EA 208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI)	10,342.32	213.33
26 31 00 00-0048 EA 208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI)	10,641.78	213.33
26 31 00 00-0049 EA 480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI)	10,641.78	213.33
26 31 00 00-0050 EA 208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	32,391.19	639.97
26 31 00 00-0051 EA 480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	30,893.86	639.97
26 31 00 00-0052 EA 208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	35,385.86	639.97
26 31 00 00-0053 EA 480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	34,554.01	639.97
26 31 00 00-0054 EA 208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	37,548.68	639.97
26 31 00 00-0055 EA 480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	35,884.97	639.97
26 31 00 00-0056 EA 208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	39,639.02	853.28
26 31 00 00-0057 EA 480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	37,808.95	853.28
26 31 00 00-0058 EA 208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	41,136.35	853.28
26 31 00 00-0059 EA 480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	38,973.54	853.28
26 31 00 00-0060 Xantrex Photovoltaic Inverters (26 31 00 00-0016)		
26 31 00 00-0061 EA 0.6 KW Photovoltaic Inverter (Xantrex 806-1206)	440.88	26.67
26 31 00 00-0062 EA 1 KW Photovoltaic Inverter (Xantrex 806-1210)	479.38	26.67
26 31 00 00-0063 EA 2 KW Photovoltaic Inverter (Xantrex 806-1220)	762.27	26.67
26 31 00 00-0064 Photovoltaic DC-DC Converters (26 31)		
26 31 00 00-0065 EA 15 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20)	271.34	40.00
Note: Hazardous locations.		
26 31 00 00-0066 EA 20 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23)	187.62	40.00
26 31 00 00-0067 EA 60 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60)	486.60	40.00
26 31 00 00-0068 Photovoltaic Combiner Boxes (26 31)		
26 31 00 00-0069 Midnight Solar Photovoltaic Combiner Boxes (26 31 00 00-0068)		
26 31 00 00-0070 EA 3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3)	354.49	106.66
26 31 00 00-0071 EA 6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6)	346.73	106.66
26 31 00 00-0072 EA 12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12)	546.83	159.99
26 31 00 00-0073 EA 6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250)	549.54	159.99
26 31 00 00-0074 EA 16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16)	801.01	159.99
26 31 00 00-0075 SMA Photovoltaic Combiner Boxes (26 31 00 00-0068)		
26 31 00 00-0076 EA 6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6)	720.39	106.66
26 31 00 00-0077 EA 12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12)	852.51	106.66
26 31 00 00-0078 EA 28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28)	1,654.49	213.33
26 31 00 00-0079 EA 52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52)	3,665.99	213.33
26 31 00 00-0080 EA 4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch)	648.89	106.66
26 31 00 00-0081 Photovoltaic Charge Controller (26 31)		
26 31 00 00-0082 EA 35 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-35)	220.51	40.00
26 31 00 00-0083 EA 40 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-40)	287.78	40.00
26 31 00 00-0084 EA 60 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-60)	332.63	40.00
26 31 00 00-0085 EA Remote Digital Meter For Xantrex C-35, 40 And 60	259.38	40.00
26 31 00 00-0086 EA MPPT Charge Controller (Xantrex XW SCC)	857.03	53.33
26 31 00 00-0087 Photovoltaic Batteries (26 31)		
26 31 00 00-0088 Concorde Photovoltaic Batteries (26 31 00 00-0087)		
26 31 00 00-0089 EA 34 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T)	193.33	16.00
26 31 00 00-0090 EA 45 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T)	244.33	21.33
26 31 00 00-0091 EA 49 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T)	263.84	21.33
26 31 00 00-0092 EA 56 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T)	305.99	32.00
26 31 00 00-0093 EA 69 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T)	346.32	32.00



Electrical		26
Facility Electrical Power Generating and Storing Equipment		26 30
Photovoltaic Collectors		26 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0094 EA 89 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T).....	410.77	37.33
26 31 00 00-0095 EA 104 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T).....	470.93	42.67
26 31 00 00-0096 EA 108 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T).....	465.79	42.67
26 31 00 00-0097 EA 210 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T).....	840.74	50.67
26 31 00 00-0098 EA 255 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T).....	969.76	53.33
26 31 00 00-0099 Deka Photovoltaic Batteries (26 31 00 00-0087)		
26 31 00 00-0100 EA 31 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8GU1).....	207.40	26.72
26 31 00 00-0101 EA 50 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G22NF).....	280.65	26.72
26 31 00 00-0102 EA 74 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G24).....	407.72	26.72
26 31 00 00-0103 EA 86 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G27).....	464.53	26.72
26 31 00 00-0104 EA 98 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G31).....	466.02	26.72
26 31 00 00-0105 EA 183 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G4D).....	890.57	26.72
26 31 00 00-0106 EA 225 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G8D).....	1,028.10	26.72
26 31 00 00-0107 Battery Enclosures (26 31 00 00-0087)		
26 31 00 00-0108 EA 14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010).....	232.72	26.67
26 31 00 00-0109 EA 22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC).....	1,089.40	26.72
26 31 00 00-0110 EA 37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL).....	1,025.11	26.72
26 31 00 00-0111 EA 37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC).....	1,361.47	26.72
26 31 00 00-0112 EA 15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1).....	614.02	26.72
26 31 00 00-0113 EA 31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP).....	1,425.75	26.72
26 31 00 00-0114 Photovoltaic System Monitoring (26 31)		
26 31 00 00-0115 EA Solar Inverter Monitor (Xantrex 864-0203).....	489.65	53.33
26 31 00 00-0116 EA Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox).....	971.57	26.67
26 31 00 00-0117 EA Sun Radiation And Temperature Monitor (SMA Sunny SensorBox).....	813.90	26.67
26 31 00 00-0118 EA PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA).....	160.69	26.67
26 31 00 00-0119 EA Wind Sensor Accessory For Sunny SensorBox (SMA).....	391.11	53.33
26 31 00 00-0120 EA Sunny Boy Control with RS485 (SMA).....	955.88	26.67
26 31 00 00-0121 EA RS 485 Module (SMA).....	227.33	26.67
26 31 00 00-0122 EA RS 232 Module (SMA).....	232.72	26.67
26 31 00 00-0123 EA Wireless Monitor with Bluetooth (SMA Sunny Beam).....	438.09	
26 31 00 00-0124 EA Bluetooth Piggy-Back Computer Card (SMA).....	235.63	26.67
26 31 00 00-0125 EA RS485-N Communication Computer Card (SMA).....	234.12	26.67
26 31 00 00-0126 EA Bluetooth Repeater (SMA).....	430.74	26.67
26 31 00 00-0127 EA Sunny Boy PC Service Cable (SMA).....	202.40	8.00
26 31 00 00-0128 EA Integrated Revenue Grade Meter, Option (PVPowered).....	3,834.42	
26 31 00 00-0129 EA Data Monitoring Module (PVPowered PVM1010).....	429.86	26.67
26 31 00 00-0130 EA Wireless IG Personal Display (Fronius 4,240,108).....	444.65	
26 31 00 00-0131 EA DatCom Power Supply (Fronius 43,0001,2311).....	143.11	
26 31 00 00-0132 EA Wireless Card For IG Personal Display (Fronius 4,240,008,Z).....	261.09	26.67
26 31 00 00-0133 EA Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z).....	222.82	26.67
26 31 00 00-0134 EA Datalogger Pro Box (Fronius 4,240,102).....	838.58	26.67
26 31 00 00-0135 EA Datalogger Easy Box (Fronius 4,240,103).....	549.84	26.67
26 31 00 00-0136 EA Datalogger Interface Box (Fronius 4,240,105).....	945.12	26.67
26 31 00 00-0137 EA Datalogger Web (Fronius 4,240,122).....	1,615.13	26.67
26 31 00 00-0138 EA Interface Box (Fronius 4,240,109).....	443.06	26.67
26 31 00 00-0139 EA Interface Card (Fronius 4,240,009,Z).....	319.70	26.67
26 31 00 00-0140 EA Interface Card Easy (Fronius 4,240,013,Z).....	215.05	26.67
26 31 00 00-0141 EA Sensor Box (Fronius 4,240,104).....	875.26	26.67
26 31 00 00-0142 EA Ambient Temperature Sensor (Fronius 43,0001,1188).....	108.13	26.67
26 31 00 00-0143 EA Irradiance Sensor (Fronius 43,0001,1188).....	312.10	26.67
26 31 00 00-0144 EA Module Temperature Sensor (Fronius 43,0001,1190).....	346.18	26.67
26 31 00 00-0145 EA Wind Speed Sensor (Fronius 42,0411,0027).....	201.48	53.33
26 31 00 00-0146 Photovoltaic System Accessories (26 31)		
26 31 00 00-0147 EA Four Inverter Bypass Switch (OutBack AC-IOB-100Q).....	661.61	53.33
26 31 00 00-0148 EA Line Communication Filter (Enphase LCF).....	1,437.65	106.66
26 31 00 00-0149 EA 15 Meter RS 485 Communication Cable (SMA).....	110.18	8.00
26 31 00 00-0150 EA 15 Meter RS 232 Communication Cable (SMA).....	164.00	8.00
26 31 00 00-0151 EA 24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	26.36	2.64
26 31 00 00-0152 EA 36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	28.17	2.64
26 31 00 00-0153 EA 48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	29.19	2.64
26 31 00 00-0154 EA 72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	32.02	2.64
26 31 00 00-0155 EA 120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	36.25	2.64
26 31 00 00-0156 EA 240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	58.38	5.28
26 31 00 00-0157 EA 360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	71.53	5.28
26 31 00 00-0158 EA 420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	94.63	7.92
26 31 00 00-0159 EA 36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	32.72	2.64
26 31 00 00-0160 EA 120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	44.73	2.64
26 31 00 00-0161 EA 240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	66.86	5.28
26 31 00 00-0162 EA 360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	88.05	5.28
26 31 00 00-0163 EA 600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	144.31	10.56
26 31 00 00-0164 EA 1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	150.29	10.56

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 31 Photovoltaic Collectors**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0165	EA	Lighting Kit, 9W Fluorescent, 12 V 4.5 Amp Hour Battery..... Note: Tamper proof enclosure.	2,680.18	287.98
26 31 00 00-0166 Photovoltaic Mounting Systems (26 31)				
26 31 00 00-0167	LF	Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard)	9.97	2.67
26 31 00 00-0168	EA	Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229)	31.36	13.33
26 31 00 00-0169	EA	Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216)	38.01	13.33
26 31 00 00-0170	EA	8" x 3/8" Hanger Bolt (UNIRAC 310046)	19.25	5.33
		Note: Supports mounting rail above tile or metal roof.		
26 31 00 00-0171	EA	Mounting Rail Grounding Clip (UNIRAC 980006)	9.86	4.00
		Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.		
26 31 00 00-0172	EA	Mounting Rail Grounding Lugs (UNIRAC 980012)	19.56	5.33
		Note: Two grounding lugs for each rail splice and one additional lug for each rail.		
26 31 00 00-0173	EA	Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002)	5.41	1.78
		Note: Four for each row of modules you plan to mount.		
26 31 00 00-0174	EA	Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008)	5.63	1.78
		Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.		
26 31 00 00-0175	EA	Photovoltaic Module Mount L-Feet (UNIRAC 310065)	14.40	5.33
26 31 00 00-0176	EA	12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121)	83.26	26.67
		Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0177	EA	30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122)	90.79	26.67
		Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0178	EA	44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123)	96.86	26.67
		Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0179	EA	12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107)	122.68	40.00
		Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0180	EA	44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108)	145.29	40.00
		Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0181	EA	72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109)	165.80	40.00
		Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0182	EA	18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111)	187.03	53.33
		Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0183	EA	64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112)	241.02	53.33
		Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0184	EA	104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110)	341.23	79.99
		Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0185	EA	Ballasted Photovoltaic Module Frame (UNIRAC 310351)	167.05	
		Note: Excludes ballast.		
26 31 00 00-0186	EA	Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355)	307.45	
		Note: Excludes ballast.		
26 31 00 00-0187	EA	3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051)	68.21	26.67
26 31 00 00-0188	EA	4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052)	68.90	26.67
26 31 00 00-0189	EA	6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053)	69.53	26.67
26 31 00 00-0190	EA	7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054)	71.12	26.67
26 31 00 00-0191	EA	3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553)	64.00	26.67
26 31 00 00-0192	EA	4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554)	64.81	26.67
26 31 00 00-0193	EA	6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555)	67.14	26.67
26 31 00 00-0194	EA	7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556)	66.48	26.67
26 31 00 00-0195	EA	3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390)	125.61	40.00
26 31 00 00-0196	EA	4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391)	126.10	40.00
26 31 00 00-0197	EA	7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394)	127.52	40.00
26 31 00 00-0198	EA	Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370)	126.03	40.00
26 31 00 00-0199	EA	Photovoltaic Module Standoff Flashing (UNIRAC 990103)	23.82	5.33
26 31 00 00-0200	EA	Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161)	16.55	5.33
26 31 00 00-0201	EA	1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100)	30.40	8.00
26 31 00 00-0202	EA	3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100)	31.49	8.00
26 31 00 00-0203	EA	Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100)	8.57	1.78
		Note: Mid or end clamp.		
26 31 00 00-0204	EA	Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024)	37.81	5.33
26 31 00 00-0205	EA	Photovoltaic Module Wire Clip (UNIRAC 908002S-0100)	2.24	

26 32 Packaged Generator Assemblies (26 30)**26 32 13 Engine Generators (26 32)**

See CSI section 23 13 23 13-0001 for fuel storage tanks.

26 32 13 13 Diesel-Engine-Driven Generator Sets (26 32 13)

See CSI section 01 22 23 00-0760 for fuel reimbursement for commissioning.



Electrical		26
Facility Electrical Power Generating and Storing Equipment		26 30
Packaged Generator Assemblies		26 32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0001 Diesel Generator Sets <small>(26 32 13 13)</small> Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel tank, enclosure, active diesel particulate filter, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0739 for loadbank rental, 23 13 23 13-0001 for fuel day tank.		
26 32 13 13-0002 EA 25 KW Diesel Generator Set, 3 Phase (Cummins DSKCA).....	30,719.59	929.92
For Weather Resistant Steel Diesel Generator Enclosure, Add	3,171.50	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	7,463.15	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	9,950.87	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	8,075.19	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	11,713.39	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	15,617.85	
26 32 13 13-0003 EA 35 KW Diesel Generator Set, 3 Phase (Cummins DSFAA).....	32,563.46	1,144.97
For Weather Resistant Steel Diesel Generator Enclosure, Add	3,171.50	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	7,463.15	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	9,950.87	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	8,075.19	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	11,713.39	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	15,617.85	
26 32 13 13-0004 EA 40 KW Diesel Generator Set, 3 Phase (Cummins DSFAB).....	33,572.96	1,255.41
For Weather Resistant Steel Diesel Generator Enclosure, Add	3,171.50	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	7,463.15	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	9,950.87	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	8,075.19	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	11,713.39	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	15,617.85	
26 32 13 13-0005 EA 50 KW Diesel Generator Set, 3 Phase (Cummins DSFAC).....	39,385.89	1,441.39
For Weather Resistant Steel Diesel Generator Enclosure, Add	3,171.50	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	7,463.15	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	9,950.87	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	8,075.19	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	11,713.39	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	15,617.85	
26 32 13 13-0006 EA 60 KW Diesel Generator Set, 3 Phase (Cummins DSFAD).....	42,434.22	1,656.43
For Weather Resistant Steel Diesel Generator Enclosure, Add	3,171.50	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	7,463.15	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	9,950.87	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	8,075.19	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	11,713.39	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	15,617.85	
26 32 13 13-0007 EA 80 KW Diesel Generator Set, 3 Phase (Cummins DSFAE).....	49,844.47	1,941.22
For Weather Resistant Steel Diesel Generator Enclosure, Add	3,171.50	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	7,463.15	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	9,950.87	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	8,075.19	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	11,713.39	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	15,617.85	
26 32 13 13-0008 EA 100 KW Diesel Generator Set, 3 Phase (Cummins DSGAA).....	53,573.66	2,255.07
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,810.49	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	11,410.51	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	15,214.02	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	10,360.61	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	12,455.60	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	16,607.46	
26 32 13 13-0009 EA 125 KW Diesel Generator Set, 3 Phase (Cummins DSGAB).....	54,813.83	2,673.54
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,810.49	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	11,410.51	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	15,214.02	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	10,360.61	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	12,455.60	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	16,607.46	
26 32 13 13-0010 EA 150 KW Diesel Generator Set, 3 Phase (Cummins DSGAC).....	60,588.37	2,946.70
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,810.49	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	11,410.51	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	15,214.02	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	10,360.61	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	12,455.60	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	16,607.46	
26 32 13 13-0011 EA 175 KW Diesel Generator Set, 3 Phase (Cummins DSHAB).....	63,655.56	3,289.62
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,810.49	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	11,410.51	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	15,214.02	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	10,360.61	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	12,455.60	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	16,607.46	
26 32 13 13-0012 EA 200 KW Diesel Generator Set, 3 Phase (Cummins DSHAC).....	67,648.98	3,603.47
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,810.49	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	11,410.51	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	15,214.02	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	10,360.61	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	12,455.60	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	16,607.46	

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 32 Packaged Generator Assemblies**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0013 EA 230 KW Diesel Generator Set, 3 Phase (Cummins DSHAD).....	72,926.98	3,806.88
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,810.49	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	11,410.51	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	15,214.02	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	10,360.61	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	12,455.60	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	16,607.46	
26 32 13 13-0014 EA 250 KW Diesel Generator Set, 3 Phase (Cummins DQDAA).....	76,008.47	3,963.81
For Weather Resistant Steel Diesel Generator Enclosure, Add	31,197.24	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	34,544.40	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	46,059.20	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	37,837.57	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	42,226.10	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	56,301.47	
26 32 13 13-0015 EA 275 KW Diesel Generator Set, 3 Phase (Cummins DQHAA).....	82,711.25	4,178.86
For Weather Resistant Steel Diesel Generator Enclosure, Add	31,197.24	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	34,544.40	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	46,059.20	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	37,837.57	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	42,226.10	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	56,301.47	
26 32 13 13-0016 EA 300 KW Diesel Generator Set, 3 Phase (Cummins DQHAB).....	84,509.72	4,364.84
For Weather Resistant Steel Diesel Generator Enclosure, Add	31,197.24	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	34,544.40	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	46,059.20	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	37,837.57	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	42,226.10	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	56,301.47	
26 32 13 13-0017 EA 350 KW Diesel Generator Set, 3 Phase (Cummins DFEG).....	95,261.91	4,882.11
For Weather Resistant Steel Diesel Generator Enclosure, Add	31,197.24	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	34,544.40	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	46,059.20	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	37,837.57	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	42,226.10	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	56,301.47	
26 32 13 13-0018 EA 400 KW Diesel Generator Set, 3 Phase (Cummins DFEH).....	102,551.27	5,347.08
For Weather Resistant Steel Diesel Generator Enclosure, Add	31,197.24	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	34,544.40	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	46,059.20	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	37,837.57	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	42,226.10	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	56,301.47	
26 32 13 13-0019 EA 450 KW Diesel Generator Set, 3 Phase (Cummins DFEJ).....	115,774.30	5,759.73
For Weather Resistant Steel Diesel Generator Enclosure, Add	31,197.24	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	34,544.40	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	46,059.20	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	37,837.57	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	42,226.10	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	56,301.47	
26 32 13 13-0020 EA 500 KW Diesel Generator Set, 3 Phase (Cummins DFEK).....	121,764.47	6,137.51
For Weather Resistant Steel Diesel Generator Enclosure, Add	31,197.24	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	34,544.40	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	46,059.20	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	37,837.57	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	42,226.10	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	56,301.47	
26 32 13 13-0021 EA 600 KW Diesel Generator Set, 3 Phase (Cummins DQCA).....	176,932.14	6,759.41
For Weather Resistant Steel Diesel Generator Enclosure, Add	63,730.24	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	76,746.10	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	102,328.13	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	74,959.17	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	89,408.05	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	119,210.73	
26 32 13 13-0022 EA 750 KW Diesel Generator Set, 3 Phase (Cummins DQCB).....	202,612.80	7,433.60
For Weather Resistant Steel Diesel Generator Enclosure, Add	63,730.24	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	76,746.10	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	102,328.13	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	74,959.17	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	89,408.05	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	119,210.73	
26 32 13 13-0023 EA 800 KW Diesel Generator Set, 3 Phase (Cummins DQCC).....	211,575.30	7,596.34
For Weather Resistant Steel Diesel Generator Enclosure, Add	63,730.24	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	76,746.10	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	102,328.13	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	74,959.17	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	89,408.05	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	119,210.73	
26 32 13 13-0024 EA 900 KW Diesel Generator Set, 3 Phase (Cummins DQFAC).....	258,072.49	8,189.16
For Weather Resistant Steel Diesel Generator Enclosure, Add	63,730.24	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	76,746.10	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	102,328.13	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	74,959.17	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	89,408.05	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	119,210.73	



Electrical		26
Facility Electrical Power Generating and Storing Equipment		26 30
Packaged Generator Assemblies		26 32

26

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
26 32 13 13-0025	EA	1,000 KW Diesel Generator Set, 3 Phase (Cummins DQFAD)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	288,315.19 63,730.24 76,746.10 102,328.13 74,959.17 89,408.05 119,210.73	8,718.06
26 32 13 19 Natural Gas-Engine-Driven Generator Sets (26 32 13)				
26 32 13 19-0001 Natural Gas Or Propane Generator Sets (26 32 13 19)				
Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel tank, enclosure, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0739 for loadbank rental.				
26 32 13 19-0002	EA	20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA)..... For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	13,073.56 2,884.53 7,463.15 9,950.87 3,124.16 5,183.27	778.82
26 32 13 19-0003	EA	25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB)..... For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	14,764.36 2,884.53 7,463.15 9,950.87 3,124.16 5,183.27	929.92
26 32 13 19-0004	EA	29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC)..... For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	17,032.67 2,884.53 7,463.15 9,950.87 3,124.16 5,183.27	1,034.55
26 32 13 19-0005	EA	35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA)..... For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	19,314.10 2,884.53 7,463.15 9,950.87 8,837.00 14,832.37	1,144.97
26 32 13 19-0006	EA	40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB)..... For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	21,668.37 2,884.53 7,463.15 9,950.87 8,837.00 14,832.37	1,255.41
26 32 13 19-0007	EA	45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC)..... For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	23,479.04 2,884.53 7,463.15 9,950.87 8,837.00 14,832.37	1,354.21
26 32 13 19-0008	EA	60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE)..... For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	25,696.57 2,884.53 7,463.15 9,950.87 8,837.00 14,832.37	1,656.43
26 32 13 19-0009	EA	70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF)..... For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	27,575.52 2,884.53 7,463.15 9,950.87 8,837.00 14,832.37	1,854.04
26 32 13 19-0010	EA	85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG)..... For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	36,144.88 5,257.23 11,410.51 15,214.02 10,360.61 14,832.37	1,981.90
26 32 13 19-0011	EA	100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGH)..... For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	43,531.10 5,257.23 11,410.51 15,214.02 10,360.61 14,832.37	2,231.83
26 32 13 19-0012	EA	125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLA)..... For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	49,871.08 5,257.23 11,410.51 15,214.02 10,360.61 14,832.37	2,673.54

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 32 Packaged Generator Assemblies**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0013	EA	150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLB).....	59,243.95	2,946.70
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	5,257.23	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	11,410.51	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	15,214.02	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	10,360.61	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	14,832.37	
26 32 13 19-0014	EA	175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA)	95,675.62	7,838.00
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	28,055.33	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	31,056.34	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	41,408.46	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	30,675.06	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	46,031.09	
26 32 13 19-0015	EA	205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB)	108,590.83	3,539.53
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	28,055.33	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	31,056.34	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	41,408.46	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	30,675.06	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	46,031.09	
26 32 13 19-0016	EA	250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC)	116,778.72	3,963.81
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	28,055.33	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	31,056.34	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	41,408.46	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	30,675.06	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	46,031.09	
26 32 13 19-0017	EA	300 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA)	150,948.60	4,364.84
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	28,055.33	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	31,056.34	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	41,408.46	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	30,675.06	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	46,031.09	
26 32 13 19-0018	EA	350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB)	162,035.65	4,882.11
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	28,055.33	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	31,056.34	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	41,408.46	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	30,675.06	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	46,031.09	
26 32 13 19-0019	EA	450 KW Natural Gas Generator Set, 3 Phase (Cummins GFCA)	227,537.36	5,759.73
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	61,259.90	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	65,088.18	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	86,784.24	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	69,580.64	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	98,341.57	
26 32 13 19-0020	EA	500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB)	290,938.36	6,137.51
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	61,259.90	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	65,088.18	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	86,784.24	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	69,580.64	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	98,341.57	
26 32 13 19-0021	EA	550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC)	325,508.60	6,468.80
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	61,259.90	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	65,088.18	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	86,784.24	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	69,580.64	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	98,341.57	
26 32 13 19-0022	EA	600 KW Natural Gas Generator Set, 3 Phase (Cummins GFCA)	370,704.62	6,759.41
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	61,259.90	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	65,088.18	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	86,784.24	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	69,580.64	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	98,341.57	
26 32 13 19-0023	EA	650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLB)	387,601.26	7,015.13
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	61,259.90	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	65,088.18	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	86,784.24	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	69,580.64	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	98,341.57	
26 32 13 19-0024	EA	725 KW Natural Gas Generator Set, 3 Phase (Cummins GFLC)	409,971.01	7,497.53
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	61,259.90	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	65,088.18	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	86,784.24	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	69,580.64	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	98,341.57	
26 32 13 19-0025		Small Natural Gas Or Propane Air Cooled Generator Sets (26 32 13 19)		
26 32 13 19-0026	EA	7.5 KW Natural Gas Or Propane Air Cooled Generator Set.....	4,405.75	493.91
		Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.		
26 32 13 19-0027	EA	10 KW Natural Gas Or Propane Air Cooled Generator Set.....	5,557.67	548.79
		Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.		
26 32 13 19-0028	EA	14 KW Natural Gas Or Propane Air Cooled Generator Set.....	6,378.89	587.72
		Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.		

26 32 29 Rotary Converters (26 32)

26 32 29 00-0001 60 Hz AC Input 230 Or 460 Volt, 125 Volt DC Output (26 32 29)



Electrical		26
Facility Electrical Power Generating and Storing Equipment		26 30
Packaged Generator Assemblies		26 32

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 29 00-0002 EA 3 KW, 24 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	6,375.71	213.33
26 32 29 00-0003 EA 5 KW, 40 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	7,744.15	213.33
26 32 29 00-0004 EA 7.5 KW, 60 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,226.25	213.33
26 32 29 00-0005 EA 10 KW, 80 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,305.90	213.33
26 32 29 00-0006 EA 15 KW, 120 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	11,454.18	266.65
26 32 29 00-0007 EA 20 KW, 160 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	12,394.42	266.65
26 32 29 00-0008 EA 25 KW, 200 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	12,972.62	266.65
26 32 29 00-0009 EA 40 KW, 320 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	15,811.72	351.98
26 32 29 00-0010 EA 50 KW, 400 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	17,554.84	351.98
26 32 29 00-0011 60 Hz AC Input, 230 Or 460 Volt, 250 Volts DC Output (26 32 29)		
26 32 29 00-0012 EA 3 KW, 12 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	7,366.39	213.33
26 32 29 00-0013 EA 5 KW, 20 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	8,764.85	213.33
26 32 29 00-0014 EA 7.5 KW, 30 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,010.70	213.33
26 32 29 00-0015 EA 10 KW, 40 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,285.69	213.33
26 32 29 00-0016 EA 15 KW, 60 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	11,662.22	266.65
26 32 29 00-0017 EA 20 KW, 80 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	12,813.21	266.65
26 32 29 00-0018 EA 25 KW, 100 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	13,232.00	266.65
26 32 29 00-0019 EA 40 KW, 160 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	15,749.58	351.98
26 32 29 00-0020 EA 50 KW, 200 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,697.93	351.98
26 32 29 00-0021 460 Volt 3 Phase AC Motor Drive 250 Volt DC (26 32 29)		
26 32 29 00-0022 EA 33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	20,110.91	4,068.42
26 32 29 00-0023 EA 40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	22,459.27	4,068.42
26 32 29 00-0024 EA 50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	25,624.62	5,812.04
26 32 29 00-0025 EA 65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	29,711.06	5,812.04
26 32 29 00-0026 EA 85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	33,566.80	5,812.04
26 32 29 00-0027 EA 100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	39,650.27	8,718.06
26 32 29 00-0028 EA 125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	48,338.90	8,718.06
26 32 29 00-0029 4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC (26 32 29)		
26 32 29 00-0030 EA 170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	69,004.71	11,624.08
26 32 29 00-0031 EA 200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	75,258.52	11,624.08
26 32 29 00-0032 EA 240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	90,448.25	15,111.30
26 32 29 00-0033 EA 320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	102,939.89	18,366.04
26 32 29 00-0034 EA 400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	121,614.52	18,366.04
26 32 29 00-0035 EA 560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	172,066.17	27,432.82
26 32 29 00-0036 EA 640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	178,653.66	27,432.82
26 32 29 00-0037 EA 800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	205,278.45	31,966.21
26 33 Battery Equipment (26 30)		
26 33 13 Batteries (26 33)		
26 33 13 00-0001 Standby Batteries (26 33 13)		
26 33 13 00-0002 EA 12 Volt, 100 Amp Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery	781.07	26.72
26 33 13 00-0003 EA 12 Volt, 100 Amp Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket	842.74	26.72
26 33 13 00-0004 EA 725CCA, Group 31, 12 Volt Lead Calcium Standby Battery	273.09	26.72
26 33 13 00-0005 EA 810CCA, Group 24, 12 Volt Lead Calcium Standby Battery	248.93	26.72
26 33 13 00-0006 EA 1060CCA, Group 4D, 12 Volt Lead Calcium Standby Battery	421.19	26.72
26 33 13 00-0007 EA 1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery	487.95	26.72
26 33 43 Battery Chargers (26 33)		
26 33 43 00-0001 Solid State Chargers, Single Phase (26 33 43)		
Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.		
26 33 43 00-0002 EA Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt	2,466.88	608.99
26 33 43 00-0003 EA Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt	2,856.12	608.99
26 33 43 00-0004 EA Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt	3,140.09	608.99
26 33 43 00-0005 EA Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt	3,334.18	721.04
26 33 53 Static Uninterruptible Power Supply (26 33)		
26 33 53 00-0001 Single Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53)		
26 33 53 00-0002 Single Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53 00-0001)		
26 33 53 00-0003 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002)		
Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0004 EA 0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120)	1,013.16	105.60
Note: Includes 12 minutes of battery backup at full load.		

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 33 Battery Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0005	EA	0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120).....	1,210.15	123.19
		Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0006	EA	1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120).....	1,491.33	140.79
		Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0007	EA	1.5 kVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120).....	1,821.46	158.39
		Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0008	EA	2 kVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120).....	2,336.57	175.99
		Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0009	EA	3 kVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120).....	3,761.31	211.19
		Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0010		208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002)		
		Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0011	EA	3 kVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208).....	3,692.16	211.19
		Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0012		120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002)		
		Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0013	EA	5 kVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208).....	5,694.38	281.59
		Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0014	EA	6 kVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208).....	6,227.48	316.79
		Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0015	EA	8 kVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208).....	9,309.62	387.18
		Note: Includes 7 minutes of battery backup at full load.		
26 33 53 00-0016	EA	10 kVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208).....	10,700.93	422.38
		Note: Includes 4-1/2 minutes of battery backup at full load.		
26 33 53 00-0017		230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002)		
		Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0018	EA	0.7 kVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230).....	1,210.15	123.19
		Note: Includes 11 minutes of battery backup at full load.		
26 33 53 00-0019	EA	1 kVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230).....	1,491.33	140.79
		Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0020	EA	1.5 kVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230).....	1,841.89	158.39
		Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0021	EA	2 kVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230).....	2,341.50	175.99
		Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0022	EA	3 kVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230).....	3,776.66	211.19
		Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0023	EA	5 kVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230).....	5,463.46	281.59
		Note: Includes 9 minutes of battery backup at full load.		
26 33 53 00-0024	EA	6 kVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230).....	6,707.58	316.79
		Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0025	EA	10 kVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230).....	10,370.82	422.38
		Note: Includes 3 minutes of battery backup at full load.		
26 33 53 00-0026		Optional Accessories For Single Phase, Uninterruptible Power Supply Systems (26 33 53 00-0001)		
26 33 53 00-0027	EA	External Battery Cabinet For 0.5 To 2 kVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT).....	670.76	32.00
		Note: Rack mount or tower configuration.		
26 33 53 00-0028	EA	External Battery Cabinet For 3 kVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT).....	878.48	32.00
		Note: Rack mount or tower configuration.		



Electrical			26
Facility Electrical Power Generating and Storing Equipment			26 30
Battery Equipment			26 33

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0029 EA External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT).....	855.36	32.00
Note: Rack mount or tower configuration.		
26 33 53 00-0030 EA External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT).....	581.28	32.00
Note: Rack mount or tower configuration.		
26 33 53 00-0031 EA Internal Replacement Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT).....	861.23	105.60
26 33 53 00-0032 EA Internal Replacement Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT).....	967.89	140.79
26 33 53 00-0033 Three Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53)		
26 33 53 00-0034 208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) With Internal Battery (Emerson) (26 33 53 00-0033)		
Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.		
26 33 53 00-0035 EA 10 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	27,022.45	422.38
26 33 53 00-0036 EA 15 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	29,998.47	563.16
26 33 53 00-0037 EA 20 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	33,596.30	703.96
26 33 53 00-0038 EA 30 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	36,510.14	844.75
26 33 53 00-0039 EA 40 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	43,900.94	985.55
26 33 53 00-0040 208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery (Emerson) (26 33 53 00-0033)		
Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0041 EA 60 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	59,766.86	1,679.91
26 33 53 00-0042 EA 80 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	65,319.62	2,079.88
26 33 53 00-0043 EA 100 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	72,355.51	2,426.54
26 33 53 00-0044 EA 120 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	88,993.43	2,746.51
26 33 53 00-0045 EA 140 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	92,609.42	3,066.49
26 33 53 00-0046 EA 160 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	96,198.15	3,386.48
26 33 53 00-0047 EA 180 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	100,533.06	3,706.46
26 33 53 00-0048 EA 200 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	104,867.96	4,026.44
26 33 53 00-0049 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery (Emerson) (26 33 53 00-0033)		
Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0050 EA 50 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	55,724.80	1,386.59
26 33 53 00-0051 EA 100 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	72,728.59	2,437.20
26 33 53 00-0052 EA 150 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	98,942.57	2,815.84
26 33 53 00-0053 EA 200 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	116,264.48	3,093.16
26 33 53 00-0054 EA 250 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	135,700.50	3,413.14
26 33 53 00-0055 Optional Accessories For Three Phase, Uninterruptible Power Supply Systems (26 33 53 00-0033)		
26 33 53 00-0056 EA Programmable Relay Board For Three Phase Uninterruptible Power Supply Systems.....	598.63	53.33
26 33 53 00-0057 EA Network Interface Card For Three Phase Uninterruptible Power Supply Systems.....	963.07	53.33
26 33 53 00-0058 EA Remote Status Panel With 100' Of Cable For Three Phase Uninterruptible Power Supply Systems.....	1,850.24	106.66
26 33 53 00-0059 EA Slim Line Distribution Panel With Two 42 Pole Panels For Three Phase Uninterruptible Power Supply Systems.....	5,760.75	426.64
26 33 53 00-0060 EA 12 Volt, 491 Watt, 3 Phase, 134 Amp Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR).....	412.51	53.33
26 33 53 00-0061 EA 12 Volt, 204 Watt, 3 Phase, 55 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200).....	228.25	53.33
26 33 53 00-0062 EA 12 Volt, 257 Watt, 3 Phase, 65 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250).....	255.14	53.33
26 33 53 00-0063 EA 12 Volt, 311 Watt, 3 Phase, 75 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300).....	282.03	53.33

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 33 Battery Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0064	EA	12 Volt, 374 Watt, 3 Phase, 90 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350)	330.42	53.33
26 33 53 00-0065	EA	12 Volt, 415 Watt, 3 Phase, 100 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400)	346.56	53.33
26 33 53 00-0066	EA	12 Volt, 493 Watt, 3 Phase, 135 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500)	429.91	53.33
26 33 53 00-0067	EA	12 Volt, 540 Watt, 3 Phase, 150 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540)	450.08	53.33
26 33 53 00-0068 Other Uninterruptable Power Supply Equipment (26 33 53)				
26 33 53 00-0069	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In	4,023.56	97.44
26 33 53 00-0070	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In	4,878.56	194.87
26 33 53 00-0071	EA	1 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel	23.57	5.85
26 33 53 00-0072	EA	2 Pole, 15 To 40 Amperes, GE Plug-In Breakers For UPS Distribution Panel	41.01	7.31
26 33 53 00-0073	EA	2 Pole, 50 To 80 Amperes, GE Plug-In Breakers For UPS Distribution Panel	74.02	7.31
26 33 53 00-0074	EA	3 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel	107.95	9.75
26 33 53 00-0075	EA	3 Pole, 70 To 100 Amperes, GE Plug-In Breakers For UPS Distribution Panel	151.51	9.75
26 33 53 00-0076	EA	Uninterrupted Power Supply Remote Status Panel	2,769.33	97.44
26 33 53 00-0077	EA	Uninterrupted Power Supply Remote Contact Board	938.28	73.08
26 35 Power Filters and Conditioners (26 30)				
26 35 33 Power Factor Correction Equipment (26 35)				
26 35 33 16 Low-Voltage Power Factor Correction Equipment (26 35 33)				
26 35 33 16-0001 Power Factor Correction Capacitors (26 35 33 16)				
26 35 33 16-0002	EA	Power Factor Correction Capacitors, 2.0 KVAC	661.77	
26 35 33 16-0003	EA	Power Factor Correction Capacitors, 3.0 KVAC	732.93	
26 35 33 16-0004	EA	Power Factor Correction Capacitors, 4.0 KVAC	804.09	
26 35 33 16-0005	EA	Power Factor Correction Capacitors, 5.0 KVAC	872.40	
26 35 33 16-0006	EA	Power Factor Correction Capacitors, 7.5 KVAC	1,071.64	
26 35 33 16-0007	EA	Power Factor Correction Capacitors, 10.0 KVAC	1,309.31	
26 35 33 16-0008	EA	Power Factor Correction Capacitors, 15.0 KVAC	2,022.32	
26 35 33 16-0009	EA	Power Factor Correction Capacitors, 20.0 KVAC	2,456.39	
26 35 33 16-0010	EA	Power Factor Correction Capacitors, 25.0 KVAC	3,173.66	
26 35 33 16-0011	EA	Power Factor Correction Capacitors, 30.0 KVAC	3,609.15	
26 35 33 16-0012	EA	Power Factor Correction Capacitors, 50.0 KVAC	6,333.09	
26 35 33 16-0013	EA	Power Factor Correction Capacitors, 75.0 KVAC	9,522.41	
26 35 33 16-0014	EA	Power Factor Correction Capacitors, 100.0 KVAC	12,697.49	
26 35 33 16-0015	EA	Power Factor Correction Capacitors, Fuse Kit	589.19	
26 35 43 Static-Frequency Converters (26 35)				
26 35 43 00-0001 Rotary Phase Converter With NEMA 1 Indoor Enclosure (26 35 43)				
26 35 43 00-0002	EA	750 Watt Output Rotary Phase Converter With NEMA 1 Enclosure	511.15	106.66
26 35 43 00-0003	EA	2 KW Output Rotary Phase Converter With NEMA 1 Enclosure	870.57	127.99
26 35 43 00-0004	EA	3 KW Output Rotary Phase Converter With NEMA 1 Enclosure	1,000.87	170.66
26 35 43 00-0005	EA	5 KW Output Rotary Phase Converter With NEMA 1 Enclosure	1,367.93	213.33
26 35 43 00-0006	EA	7 KW Output Rotary Phase Converter With NEMA 1 Enclosure	1,875.60	277.32
26 35 43 00-0007	EA	11 KW Output Rotary Phase Converter With NEMA 1 Enclosure	2,414.91	341.32
26 35 43 00-0008	EA	15 KW Output Rotary Phase Converter With NEMA 1 Enclosure	3,017.52	405.31
26 35 43 00-0009	EA	21 KW Output Rotary Phase Converter With NEMA 1 Enclosure	3,662.05	458.64
26 35 43 00-0010	EA	29 KW Output Rotary Phase Converter With NEMA 1 Enclosure	4,265.36	554.63
26 35 43 00-0011	EA	36 KW Output Rotary Phase Converter With NEMA 1 Enclosure	4,878.62	623.97
26 35 43 00-0012	EA	44 KW Output Rotary Phase Converter With NEMA 1 Enclosure	5,491.87	693.29
26 35 43 00-0013	EA	55 KW Output Rotary Phase Converter With NEMA 1 Enclosure	6,808.16	837.28
26 35 43 00-0014	EA	74 KW Output Rotary Phase Converter With NEMA 1 Enclosure	8,810.58	1,007.94
26 35 43 00-0015	EA	87 KW Output Rotary Phase Converter With NEMA 1 Enclosure	11,146.28	1,226.60
26 35 43 00-0016	EA	110 KW Output Rotary Phase Converter With NEMA 1 Enclosure	12,764.58	1,434.58
26 35 43 00-0017	EA	125 KW Output Rotary Phase Converter With NEMA 1 Enclosure	16,322.53	1,599.91
26 35 43 00-0018	EA	165 KW Output Rotary Phase Converter With NEMA 1 Enclosure	24,659.18	1,813.23
26 35 43 00-0019	EA	220 KW Output Rotary Phase Converter With NEMA 1 Enclosure	36,476.23	2,026.55
26 35 53 Voltage Regulators (26 35)				
26 35 53 00-0001 Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase (26 35 53)				
Note: For diesel motor generator sets mounted in switchgear cabinet.				
26 35 53 00-0002	EA	50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	5,541.54	1,695.91
26 35 53 00-0003	EA	75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	6,424.06	2,133.22
26 35 53 00-0004	EA	100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	7,236.71	2,538.53

26 36 Transfer Switches (26 30)**26 36 13 Manual Transfer Switches (26 36)****26 36 13 00-0001 Fused Manual Transfer Switches (26 36 13)**



		Electrical	26
		Facility Electrical Power Generating and Storing Equipment	26 30
		Transfer Switches	26 36

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 13 00-0002	EA	30 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,291.49	186.66
26 36 13 00-0003	EA	60 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,501.24	231.88
26 36 13 00-0004 Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure				
(26 36 13)				
26 36 13 00-0005	EA	40 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40).....	2,718.55	274.39
		For NEMA 3R Enclosure, Add	853.86	
		For NEMA 12 Enclosure, Add	803.62	
26 36 13 00-0006	EA	70 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70).....	3,016.19	329.28
		For NEMA 3R Enclosure, Add	853.86	
		For NEMA 12 Enclosure, Add	803.62	
26 36 13 00-0007	EA	125 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125).....	3,425.25	384.15
		For NEMA 3R Enclosure, Add	853.86	
		For NEMA 12 Enclosure, Add	803.62	
26 36 13 00-0008	EA	150 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150).....	4,246.62	439.03
		For NEMA 3R Enclosure, Add	1,004.53	
		For NEMA 12 Enclosure, Add	803.62	
26 36 13 00-0009	EA	225 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225).....	5,248.15	493.91
		For NEMA 3R Enclosure, Add	1,004.53	
		For NEMA 12 Enclosure, Add	803.62	
26 36 13 00-0010	EA	260 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260).....	5,899.41	548.79
		For NEMA 3R Enclosure, Add	1,004.53	
		For NEMA 12 Enclosure, Add	803.62	
26 36 13 00-0011	EA	300 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300).....	6,560.83	603.67
		For NEMA 3R Enclosure, Add	1,185.35	
		For NEMA 12 Enclosure, Add	1,004.53	
26 36 13 00-0012	EA	400 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400).....	7,694.68	658.55
		For NEMA 3R Enclosure, Add	1,185.35	
		For NEMA 12 Enclosure, Add	1,004.53	
26 36 13 00-0013	EA	600 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600).....	10,168.85	823.19
		For NEMA 3R Enclosure, Add	1,185.35	
		For NEMA 12 Enclosure, Add	1,004.53	
26 36 13 00-0014	EA	800 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800).....	11,450.38	987.83
		For NEMA 3R Enclosure, Add	1,456.56	
		For NEMA 12 Enclosure, Add	1,406.34	
26 36 13 00-0015	EA	1,000 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000).....	15,284.31	1,394.89
		For NEMA 3R Enclosure, Add	1,456.56	
		For NEMA 12 Enclosure, Add	1,406.34	
26 36 23 Automatic Transfer Switches (26 36)				
26 36 23 00-0001		Automatic Transfer Switch (26 36 23)		
26 36 23 00-0002		Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23)		
		00-0001		
		Note: Programmable, 120/240 volt single phase, 3 wire.		
26 36 23 00-0003	EA	100 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	2,478.00	384.15
26 36 23 00-0004	EA	225 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	3,366.54	493.91
26 36 23 00-0005	EA	400 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	5,331.17	658.55
26 36 23 00-0006	EA	600 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	12,053.26	823.19
26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23)				
		00-0001		
26 36 23 00-0008	EA	40 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40).....	4,031.83	274.39
		For NEMA 3R Enclosure, Add	853.86	
		For NEMA 4 Enclosure, Add	904.08	
		For NEMA 12 Enclosure, Add	904.08	
26 36 23 00-0009	EA	70 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70).....	4,656.39	329.28
		For NEMA 3R Enclosure, Add	853.86	
		For NEMA 4 Enclosure, Add	904.08	
		For NEMA 12 Enclosure, Add	904.08	
26 36 23 00-0010	EA	125 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125).....	5,121.64	384.15
		For NEMA 3R Enclosure, Add	853.86	
		For NEMA 4 Enclosure, Add	904.08	
		For NEMA 12 Enclosure, Add	904.08	
26 36 23 00-0011	EA	150 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150).....	6,090.64	439.03
		For NEMA 3R Enclosure, Add	1,004.53	
		For NEMA 4 Enclosure, Add	1,305.89	
		For NEMA 12 Enclosure, Add	904.08	
26 36 23 00-0012	EA	225 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225).....	6,953.75	493.91
		For NEMA 3R Enclosure, Add	1,004.53	
		For NEMA 4 Enclosure, Add	1,305.89	
		For NEMA 12 Enclosure, Add	904.08	
26 36 23 00-0013	EA	260 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260).....	7,674.09	548.79
		For NEMA 3R Enclosure, Add	1,004.53	
		For NEMA 4 Enclosure, Add	1,305.89	
		For NEMA 12 Enclosure, Add	904.08	
26 36 23 00-0014	EA	300 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300).....	8,022.37	603.67
		For NEMA 3R Enclosure, Add	1,185.35	
		For NEMA 4 Enclosure, Add	1,406.34	
		For NEMA 12 Enclosure, Add	1,004.53	

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 36 Transfer Switches**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0015	EA	400 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400).....	9,069.65	658.55
		For NEMA 3R Enclosure, Add	1,185.35	
		For NEMA 4 Enclosure, Add	1,406.34	
		For NEMA 12 Enclosure, Add	1,004.53	
26 36 23 00-0016	EA	600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600).....	12,419.65	823.19
		For NEMA 3R Enclosure, Add	1,185.35	
		For NEMA 4 Enclosure, Add	1,406.34	
		For NEMA 12 Enclosure, Add	1,004.53	
26 36 23 00-0017	EA	800 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800).....	13,936.02	987.83
		For NEMA 3R Enclosure, Add	1,456.56	
		For NEMA 4 Enclosure, Add	1,607.26	
		For NEMA 12 Enclosure, Add	1,406.34	
26 36 23 00-0018	EA	1,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000).....	18,189.90	1,394.89
		For NEMA 3R Enclosure, Add	1,456.56	
		For NEMA 4 Enclosure, Add	1,607.26	
		For NEMA 12 Enclosure, Add	1,406.34	
26 36 23 00-0019	EA	1,200 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200).....	23,572.23	1,511.13
		For NEMA 3R Enclosure, Add	3,214.50	
		For NEMA 4 Enclosure, Add	1,808.15	
		For NEMA 12 Enclosure, Add	1,506.80	
26 36 23 00-0020	EA	1,600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600).....	25,146.95	1,743.62
		For NEMA 3R Enclosure, Add	5,223.55	
		For NEMA 4 Enclosure, Add	6,428.98	
		For NEMA 12 Enclosure, Add	5,223.55	
26 36 23 00-0021	EA	2,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000).....	28,750.35	1,976.09
		For NEMA 3R Enclosure, Add	5,223.55	
		For NEMA 4 Enclosure, Add	6,428.98	
		For NEMA 12 Enclosure, Add	5,223.55	
26 36 23 00-0022	EA	3,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000).....	34,729.57	2,441.05
		For NEMA 3R Enclosure, Add	5,223.55	
26 36 23 00-0023	EA	4,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000).....	60,122.68	2,906.02
		For NEMA 3R Enclosure, Add	24,550.65	
26 36 23 00-0024		Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23 00-0001)		
26 36 23 00-0025	EA	150 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150)	20,136.23	2,085.40
		For NEMA 3R Enclosure, Add	1,757.93	
		For NEMA 4 Enclosure, Add	1,808.15	
		For NEMA 12 Enclosure, Add	954.31	
26 36 23 00-0026	EA	225 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225)	21,020.85	2,195.16
		For NEMA 3R Enclosure, Add	1,757.93	
		For NEMA 4 Enclosure, Add	1,808.15	
		For NEMA 12 Enclosure, Add	954.31	
26 36 23 00-0027	EA	260 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260)	22,036.12	2,304.92
		For NEMA 3R Enclosure, Add	1,757.93	
		For NEMA 4 Enclosure, Add	1,808.15	
		For NEMA 12 Enclosure, Add	954.31	
26 36 23 00-0028	EA	300 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300)	24,585.26	2,359.80
		For NEMA 3R Enclosure, Add	1,757.93	
		For NEMA 4 Enclosure, Add	1,808.15	
		For NEMA 12 Enclosure, Add	954.31	
26 36 23 00-0029	EA	400 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400)	28,361.42	2,414.67
		For NEMA 3R Enclosure, Add	1,757.93	
		For NEMA 4 Enclosure, Add	1,808.15	
		For NEMA 12 Enclosure, Add	954.31	
26 36 23 00-0030	EA	600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600)	34,037.35	2,524.43
		For NEMA 3R Enclosure, Add	1,757.93	
		For NEMA 4 Enclosure, Add	1,808.15	
		For NEMA 12 Enclosure, Add	1,004.53	
26 36 23 00-0031	EA	800 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800)	37,516.55	2,634.19
		For NEMA 3R Enclosure, Add	1,808.15	
		For NEMA 4 Enclosure, Add	1,808.15	
		For NEMA 12 Enclosure, Add	1,104.99	
26 36 23 00-0032	EA	1,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000)	47,129.39	3,073.22
		For NEMA 3R Enclosure, Add	1,808.15	
		For NEMA 4 Enclosure, Add	1,808.15	
		For NEMA 12 Enclosure, Add	1,104.99	
26 36 23 00-0033	EA	1,200 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200)	61,839.62	3,487.22
		For NEMA 3R Enclosure, Add	8,036.22	
		For NEMA 4 Enclosure, Add	10,045.28	
		For NEMA 12 Enclosure, Add	8,036.22	
26 36 23 00-0034	EA	1,600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600)	80,624.95	3,719.71
		For NEMA 3R Enclosure, Add	17,076.96	
		For NEMA 4 Enclosure, Add	17,076.96	
		For NEMA 12 Enclosure, Add	15,911.72	
26 36 23 00-0035	EA	2,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000)	91,536.63	4,068.42
		For NEMA 3R Enclosure, Add	17,076.96	
		For NEMA 4 Enclosure, Add	17,076.96	
		For NEMA 12 Enclosure, Add	15,911.72	



		Electrical	26
		Facility Electrical Power Generating and Storing Equipment	26 30
		Transfer Switches	26 36

MINOR		TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION		UNIT COST		UNIT COST
26 36 23 00-0036	EA	3,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000).....		146,278.46
		For NEMA 3R Enclosure, Add		21,095.07
26 36 23 00-0037	EA	4,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000).....		157,905.71
		For NEMA 3R Enclosure, Add		21,095.07
26 36 23 00-0038 Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23 00-0001)				
26 36 23 00-0039	EA	40 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40).....		6,566.28
		For NEMA 3R Enclosure, Add		502.27
		For NEMA 12 Enclosure, Add		904.08
26 36 23 00-0040	EA	70 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70).....		7,103.36
		For NEMA 3R Enclosure, Add		502.27
		For NEMA 12 Enclosure, Add		904.08
26 36 23 00-0041	EA	125 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125).....		7,639.53
		For NEMA 3R Enclosure, Add		502.27
		For NEMA 12 Enclosure, Add		904.08
26 36 23 00-0042	EA	150 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150).....		9,173.06
		For Four Pole Circuit Breaker, Add		2,511.32
		For NEMA 3R Enclosure, Add		502.27
		For NEMA 12 Enclosure, Add		904.08
26 36 23 00-0043	EA	225 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225).....		11,938.85
		For Four Pole Circuit Breaker, Add		2,511.32
		For NEMA 3R Enclosure, Add		502.27
		For NEMA 12 Enclosure, Add		904.08
26 36 23 00-0044	EA	250 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250).....		12,712.60
		For Four Pole Circuit Breaker, Add		2,511.32
		For NEMA 3R Enclosure, Add		502.27
		For NEMA 12 Enclosure, Add		904.08
26 36 23 00-0045	EA	300 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300).....		13,222.98
		For Four Pole Circuit Breaker, Add		3,415.40
		For NEMA 3R Enclosure, Add		1,305.89
		For NEMA 12 Enclosure, Add		1,004.53
26 36 23 00-0046	EA	400 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400).....		14,961.89
		For Four Pole Circuit Breaker, Add		3,415.40
		For NEMA 3R Enclosure, Add		1,305.89
		For NEMA 12 Enclosure, Add		1,004.53
26 36 23 00-0047	EA	600 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600).....		18,156.25
		For Four Pole Circuit Breaker, Add		3,415.40
		For NEMA 3R Enclosure, Add		1,305.89
		For NEMA 12 Enclosure, Add		1,004.53
26 36 23 00-0048	EA	800 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800).....		18,923.89
		For Four Pole Circuit Breaker, Add		4,871.96
		For NEMA 3R Enclosure, Add		2,250.15
		For NEMA 12 Enclosure, Add		1,406.34
26 36 23 00-0049	EA	1,000 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000).....		22,499.95
		For Four Pole Circuit Breaker, Add		4,871.96
		For NEMA 3R Enclosure, Add		2,250.15
		For NEMA 12 Enclosure, Add		1,406.34
26 36 23 00-0050 Accessories (26 36 23)				
26 36 23 00-0051	EA	Auxiliary Contacts For Automatic Transfer Switch		233.06
26 36 23 00-0052	EA	Battery Charger For Automatic Transfer Switch.....		1,908.61
26 36 23 00-0053	EA	Elevator Relay Signal For Automatic Transfer Switch.....		693.13

26 40 Electrical And Cathodic Protection (26)

26 41 Facility Lightning Protection (26 40)

26 41 13 Lightning Protection for Structures (26 41)

26 41 13 13 Lightning Protection for Buildings (26 41 13)

26 41 13 13-0001 Lightning Protection (26 41 13 13)

26 41 13 13-0002 Air Terminals For Lightning Protection (26 41 13 13-0001)

26 41 13 13-0003 Copper Lightning Protection Air Terminals (26 41 13 13-0002)

26 41 13 13-0004	EA	3/8" x 10" Copper Lightning Protection Air Terminal	64.78	10.67
26 41 13 13-0005	EA	1/2" x 12" Copper Lightning Protection Air Terminal	80.43	10.67

26 Electrical**26 40 Electrical And Cathodic Protection****26 41 Facility Lightning Protection**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 41 13 13-0006 EA 5/8" x 12" Copper Lightning Protection Air Terminal	104.98	10.67
26 41 13 13-0007 EA 1/2" x 24" Copper Lightning Protection Air Terminal	116.69	10.67
26 41 13 13-0008 EA 1/2" x 60" Copper Lightning Protection Air Terminal	227.10	21.33
26 41 13 13-0009 Aluminum Lightning Protection Air Terminals (26 41 13 13-0002)		
26 41 13 13-0010 EA 3/8" x 10" Aluminum Lightning Protection Air Terminal	54.68	10.67
26 41 13 13-0011 EA 1/2" x 12" Aluminum Lightning Protection Air Terminal	69.95	10.67
26 41 13 13-0012 EA 5/8" x 12" Aluminum Lightning Protection Air Terminal	88.05	10.67
26 41 13 13-0013 EA 1/2" x 24" Aluminum Lightning Protection Air Terminal	98.00	10.67
26 41 13 13-0014 EA 1/2" x 60" Aluminum Lightning Protection Air Terminal	188.60	21.33
26 41 13 13-0015 Terminal Bases For Lightning Protection (26 41 13 13-0001)		
26 41 13 13-0016 Copper Lightning Protection Terminal Bases (26 41 13 13-0015)		
26 41 13 13-0017 EA Adhesive Base For Copper Lightning Protection Terminal	85.62	32.00
26 41 13 13-0018 EA Bolted Base For Copper Lightning Protection Terminal	112.08	42.67
26 41 13 13-0019 EA Hinged Base For Copper Lightning Protection Terminal	151.79	53.33
26 41 13 13-0020 EA Side Mounted Base For Copper Lightning Protection Terminal	112.08	42.67
26 41 13 13-0021 EA Offset Point Support For Copper Lightning Protection Terminal	119.98	42.67
26 41 13 13-0022 EA Concealed Base Assembly For Copper Lightning Protection Terminal	212.29	85.32
26 41 13 13-0023 EA 36" Tripod Base For 60" Copper Lightning Protection Terminal	149.72	53.33
26 41 13 13-0024 EA Intermediate Base For Copper Lightning Protection Terminal	85.62	32.00
26 41 13 13-0025 Aluminum Lightning Protection Terminal Bases (26 41 13 13-0015)		
26 41 13 13-0026 EA Adhesive Base For Aluminum Lightning Protection Terminal	77.40	32.00
26 41 13 13-0027 EA Bolted Base For Aluminum Lightning Protection Terminal	108.14	42.67
26 41 13 13-0028 EA Hinged Base For Aluminum Lightning Protection Terminal	143.94	53.33
26 41 13 13-0029 EA Side Mounted Base For Aluminum Lightning Protection Terminal	108.44	42.67
26 41 13 13-0030 EA Offset Point Support For Aluminum Lightning Protection Terminal	112.66	42.67
26 41 13 13-0031 EA Concealed Base Assembly For Aluminum Lightning Protection Terminal	205.50	85.32
26 41 13 13-0032 EA 36" Tripod Base For 60" Aluminum Lightning Protection Terminal	140.82	53.33
26 41 13 13-0033 EA Intermediate Base For Aluminum Lightning Protection Terminal	77.40	32.00
26 41 13 13-0034 Connectors (26 41 13 13-0001)		
26 41 13 13-0035 Copper Cable Connectors (26 41 13 13-0034)		
26 41 13 13-0036 EA Thru Wall Cable Connector For Copper Lightning Protection System	172.69	53.33
26 41 13 13-0037 EA Thru Roof Adapter Assembly For Copper Lightning Protection System	233.62	85.32
26 41 13 13-0038 EA Beam Connector For Copper Lightning Protection System	153.22	53.33
26 41 13 13-0039 EA Double Bolt Cable Connector For Copper Lightning Protection System	37.10	10.67
26 41 13 13-0040 EA Cable To Bar Connector For Copper Lightning Protection System	38.27	10.67
26 41 13 13-0041 EA Tee Connector For Copper Lightning Protection Terminal	115.97	32.00
26 41 13 13-0042 Aluminum Cable Connectors (26 41 13 13-0034)		
26 41 13 13-0043 EA Thru Wall Cable Connector For Aluminum Lightning Protection System	156.91	53.33
26 41 13 13-0044 EA Thru Roof Adapter Assembly For Aluminum Lightning Protection System	222.85	85.32
26 41 13 13-0045 EA Beam Connector For Aluminum Lightning Protection System	147.86	53.33
26 41 13 13-0046 EA Double Bolt Cable Connector For Aluminum Lightning Protection System	34.35	10.67
26 41 13 13-0047 EA Tee Connector For Aluminum Lightning Protection Terminal	101.76	32.00
26 41 13 13-0048 Bonding Plates (26 41 13 13-0001)		
26 41 13 13-0049 Copper Bonding Plates (26 41 13 13-0048)		
26 41 13 13-0050 EA 8" Square I Beam Bonding Plate For Copper Lightning Protection System	134.42	53.33
26 41 13 13-0051 EA 8" Square Purlin Bonding Plate For Copper Lightning Protection System	139.24	53.33
26 41 13 13-0052 EA 16" Square Bonding Plate For Copper Lightning Protection System	204.56	85.32
26 41 13 13-0053 Aluminum Bonding Plates (26 41 13 13-0048)		
26 41 13 13-0054 EA 8" Square I Beam Bonding Plate For Aluminum Lightning Protection System	128.26	53.33
26 41 13 13-0055 EA 8" Square Purlin Bonding Plate For Aluminum Lightning Protection System	133.09	53.33
26 41 13 13-0056 EA 16" Square Bonding Plate For Aluminum Lightning Protection System	193.14	85.32
26 41 13 13-0057 Cable Supports (26 41 13 13-0001)		
26 41 13 13-0058 Copper Cable Supports (26 41 13 13-0057)		
26 41 13 13-0059 EA Loop Fastener, Copper Cable Supports For Lightning Protection System	24.05	10.67
26 41 13 13-0060 EA Adhesive Cable Holder, Copper Cable Support For Lightning Protection System	24.42	10.67
26 41 13 13-0061 Aluminum Cable Supports (26 41 13 13-0057)		
26 41 13 13-0062 EA Loop Fastener, Aluminum Cable Supports For Lightning Protection System	23.76	10.67
26 41 13 13-0063 EA Adhesive Cable Holder, Aluminum Cable Support For Lightning Protection System	23.64	10.67



Electrical		26
Electrical And Cathodic Protection		26 40
Facility Lightning Protection		26 41

26

MINOR		TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION		UNIT COST		UNIT COST
26 41 13 13-0064	Bonding Straps (26 41 13 13-0001)			
26 41 13 13-0065	Copper Bonding Straps (26 41 13 13-0064)			
26 41 13 13-0066	EA 3/4" x 9-1/2" Flex Braided Strap For Copper Lightning Protection System	71.12		32.00
26 41 13 13-0067	Aluminum Bonding Straps (26 41 13 13-0064)			
26 41 13 13-0068	EA 3/4" x 9-1/2" Flex Braided Strap For Aluminum Lightning Protection System	67.14		32.00
26 41 13 13-0069	Accessories For Lightning Protection (26 41 13 13-0001)			
	See CSI section 26 05 26 00-0001 for conductors straps and conduit jumpers.			
26 41 13 13-0070	Copper Adapters (26 41 13 13-0069)			
26 41 13 13-0071	EA Swivel Adapters For Copper Lightning Protection System	28.53		5.33
26 41 13 13-0072	Aluminum Adapters (26 41 13 13-0069)			
26 41 13 13-0073	EA Swivel Adapters For Aluminum Lightning Protection System	27.76		5.33
26 41 13 13-0074	EA Floor Ground Receptacle For Aluminum Lightning Protection System	174.70		53.33
26 41 23	Lightning Protection Surge Arresters and Suppressors (26 41)			
26 41 23 00-0001	Surge And Lightning Arrestors (26 41 23)			
26 41 23 00-0002	Metal Top Intermediate Type IMX (26 41 23 00-0001)			
	Note: For outdoor construction, single phase.			
26 41 23 00-0003	EA 3 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,127.64		240.80
26 41 23 00-0004	EA 4.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,228.14		240.80
26 41 23 00-0005	EA 6 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,228.14		240.80
26 41 23 00-0006	EA 7.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,414.77		240.80
26 41 23 00-0007	EA 9 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,414.77		240.80
26 41 23 00-0008	EA 10 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,569.82		240.80
26 41 23 00-0009	EA 12 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,569.82		240.80
26 41 23 00-0010	EA 15 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,149.63		301.00
26 41 23 00-0011	EA 18 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,230.02		301.00
26 41 23 00-0012	EA 21 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,441.89		361.20
26 41 23 00-0013	EA 24 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,648.62		361.20
26 41 23 00-0014	EA 27 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	3,168.32		361.20
26 41 23 00-0015	Porcelain Top Intermediate Type IMX (26 41 23 00-0001)			
	Note: For cubicle mounting, single phase.			
26 41 23 00-0016	EA 3 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,127.64		240.80
26 41 23 00-0017	EA 4.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,228.14		240.80
26 41 23 00-0018	EA 6 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,228.14		240.80
26 41 23 00-0019	EA 7.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,414.77		240.80
26 41 23 00-0020	EA 9 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,414.77		240.80
26 41 23 00-0021	EA 10 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,569.82		240.80
26 41 23 00-0022	EA 12 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,569.82		240.80
26 41 23 00-0023	EA 15 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,149.63		301.00
26 41 23 00-0024	EA 18 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,230.02		301.00
26 41 23 00-0025	EA 21 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,441.89		361.20
26 41 23 00-0026	EA 24 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,648.62		361.20
26 41 23 00-0027	EA 27 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	3,168.32		361.20
26 41 23 00-0028	IMX Accessories (26 41 23 00-0001)			
26 41 23 00-0029	EA 1 Crossarm Bracket Reversible 3-27 KV IMX	920.91		240.80
26 41 23 00-0030	EA Single Unit Horizontal Pole Mounted Bracket (IMX)	909.43		240.80
26 41 23 00-0031	EA 3 Unit Horizontal Pole Mounted Bracket (IMX)	823.40		240.80
26 41 23 00-0032	Lightning Arrestor And Cutouts (26 41 23 00-0001)			
26 41 23 00-0033	EA 3 KV La Distribution Class, Lightning Arrestor	599.33		240.80
26 41 23 00-0034	EA 3 KV La Interior Class, Lightning Arrestor	1,204.13		240.80
26 41 23 00-0035	EA 3 KV La Station Class, Lightning Arrestor	1,127.64		240.80
26 41 23 00-0036	EA 9 KV La Distribution Class, Lightning Arrestor	662.50		240.80
26 41 23 00-0037	EA 9 KV La Interior Class, Lightning Arrestor	1,371.58		240.80
26 41 23 00-0038	EA 9 KV La Station Class, Lightning Arrestor	1,414.77		240.80
26 41 23 00-0039	EA 5 KV Enclosed Fused Cutout	760.70		240.80
26 41 23 00-0040	EA 15 KV Open Fused Cutout	811.62		301.00
26 41 23 00-0041	EA 18 KV La Distribution Class, Lightning Arrestor	629.27		240.80
26 41 23 00-0042	EA 18 KV La Interior Class, Lightning Arrestor	1,461.09		240.80

26 43 Surge Protective Devices (26 40)

26 Electrical**26 40 Electrical And Cathodic Protection****26 43 Surge Protective Devices**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits (26 43)

26 43 13 00-0001	25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression (26 43 13)		
	Note: Liebert LPL		
26 43 13 00-0002	EA 120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	248.13	26.67
26 43 13 00-0003	EA 208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	267.89	26.67
26 43 13 00-0004	EA 240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	278.56	32.00
26 43 13 00-0005	EA 277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	231.82	21.33
26 43 13 00-0006	EA 480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	278.56	32.00
26 43 13 00-0007	50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression (26 43 13)		
	Note: Liebert LPL		
26 43 13 00-0008	EA 120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	345.53	26.67
26 43 13 00-0009	EA 208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	367.49	32.00
26 43 13 00-0010	EA 208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	356.82	26.67
26 43 13 00-0011	EA 480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	367.49	32.00
26 43 13 00-0012	100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression (26 43 13)		
	Note: Liebert LPL		
26 43 13 00-0013	EA 120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	418.93	26.67
26 43 13 00-0014	EA 208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	440.90	32.00
26 43 13 00-0015	EA 277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	391.34	21.33
26 43 13 00-0016	EA 480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	440.90	32.00
26 43 13 00-0017	100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression (26 43 13)		
	Note: Liebert LPM		
26 43 13 00-0018	EA 120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor.....	495.16	26.67
26 43 13 00-0019	EA 208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor.....	558.06	32.00
26 43 13 00-0020	EA 277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor.....	468.97	21.33
26 43 13 00-0021	160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression (26 43 13)		
	Note: Liebert LPM		
26 43 13 00-0022	EA 208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor.....	875.67	32.00
26 43 13 00-0023	EA 208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor.....	865.00	26.67
26 43 13 00-0024	EA 480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor.....	875.67	32.00
26 43 13 00-0025	250 kA, 500 Joule Transient Voltage Surge Suppression (26 43 13)		
	Note: Liebert Interceptor Hybrid		
26 43 13 00-0026	EA LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	5,087.24	53.33
26 43 13 00-0027	EA Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	6,216.52	53.33
26 43 13 00-0028	Class 1310 Transient Voltage Surge Suppression (26 43 13)		
	Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.		
26 43 13 00-0029	NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor (26 43 13 00-0028)		
	Note: Square D. EMA series.		
26 43 13 00-0030	EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,093.80	138.66
	For Integral Disconnect, Add	265.68	
	For Surge Counter, Add	203.04	
26 43 13 00-0031	EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,514.21	159.99
	For Integral Disconnect, Add	265.68	
	For Surge Counter, Add	203.04	
26 43 13 00-0032	EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,602.36	186.66
	For Integral Disconnect, Add	265.68	
	For Surge Counter, Add	203.04	
26 43 13 00-0033	EA 320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	8,788.63	213.33
	For Integral Disconnect, Add	265.68	
	For Surge Counter, Add	203.04	
26 43 13 00-0034	EA 480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	13,008.18	293.32
	For Integral Disconnect, Add	265.68	
	For Surge Counter, Add	203.04	
26 43 13 00-0035	EA 120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,272.61	138.66
	For Integral Disconnect, Add	265.68	
	For Surge Counter, Add	203.04	
26 43 13 00-0036	EA 160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,710.63	159.99
	For Integral Disconnect, Add	265.68	
	For Surge Counter, Add	203.04	
26 43 13 00-0037	EA 240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,905.82	186.66
	For Integral Disconnect, Add	265.68	
	For Surge Counter, Add	203.04	
26 43 13 00-0038	EA 320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	9,182.75	213.33
	For Integral Disconnect, Add	265.68	
	For Surge Counter, Add	203.04	
26 43 13 00-0039	EA 480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	13,616.35	293.32
	For Integral Disconnect, Add	265.68	
	For Surge Counter, Add	203.04	



Electrical			26
Electrical And Cathodic Protection			26 40
Surge Protective Devices			26 43

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0040	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,272.61 265.68 203.04	138.66
26 43 13 00-0041	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,710.63 265.68 203.04	159.99
26 43 13 00-0042	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,905.77 265.68 203.04	186.66
26 43 13 00-0043	EA	320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	9,182.75 265.68 203.04	213.33
26 43 13 00-0044	EA	480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	13,616.35 265.68 203.04	293.32
26 43 13 00-0045	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,451.43 265.68 203.04	138.66
26 43 13 00-0046	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,909.58 265.68 203.04	159.99
26 43 13 00-0047	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,211.79 265.68 203.04	186.66
26 43 13 00-0048	EA	320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	9,579.45 265.68 203.04	213.33
26 43 13 00-0049	EA	480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	14,226.99 265.68 203.04	293.32
26 43 13 00-0050	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,659.19 265.68 203.04	138.66
26 43 13 00-0051	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,116.12 265.68 203.04	159.99
26 43 13 00-0052	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,531.61 265.68 203.04	186.66
26 43 13 00-0053	EA	320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	9,994.97 265.68 203.04	213.33
26 43 13 00-0054	EA	480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	14,002.20 265.68 203.04	293.32
26 43 13 00-0055		NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor ²⁶ <small>43 13 00-0026</small> Note: Square D EBA series.		
26 43 13 00-0056	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,187.25 265.68 203.04	138.66
26 43 13 00-0057	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,851.94 265.68 203.04	159.99
26 43 13 00-0058	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,652.97 265.68 203.04	186.66
26 43 13 00-0059	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,289.23 265.68 203.04	138.66
26 43 13 00-0060	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,003.04 265.68 203.04	159.99
26 43 13 00-0061	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,850.65 265.68 203.04	186.66
26 43 13 00-0062	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,289.23 265.68 203.04	138.66
26 43 13 00-0063	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,003.04 265.68 203.04	159.99
26 43 13 00-0064	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,850.65 265.68 203.04	186.66
26 43 13 00-0065	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,418.93 265.68 203.04	138.66
26 43 13 00-0066	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,165.47 265.68 203.04	159.99
26 43 13 00-0067	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,103.74 265.68 203.04	186.66

26 Electrical**26 40 Electrical And Cathodic Protection****26 43 Surge Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0068 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,554.93 265.68 203.04	138.66
26 43 13 00-0069 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,337.97 265.68 203.04	159.99
26 43 13 00-0070 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,369.41 265.68 203.04	186.66
26 43 13 00-0071 NEMA 4X Modular Device Transient Voltage Surge Suppressor (26 43 13 00-0028)		
Note: Square D EMA series. Stainless steel.		
26 43 13 00-0072 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,283.70 265.68 203.04	138.66
26 43 13 00-0073 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,704.10 265.68 203.04	159.99
26 43 13 00-0074 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,792.25 265.68 203.04	186.66
26 43 13 00-0075 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,462.50 265.68 203.04	138.66
26 43 13 00-0076 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,900.52 265.68 203.04	159.99
26 43 13 00-0077 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	8,095.72 265.68 203.04	186.66
26 43 13 00-0078 EA 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,462.50 265.68 203.04	138.66
26 43 13 00-0079 EA 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,900.52 265.68 203.04	159.99
26 43 13 00-0080 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	8,095.67 265.68 203.04	186.66
26 43 13 00-0081 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,641.33 265.68 203.04	138.66
26 43 13 00-0082 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,099.48 265.68 203.04	159.99
26 43 13 00-0083 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	8,401.68 265.68 203.04	186.66
26 43 13 00-0084 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,849.09 265.68 203.04	138.66
26 43 13 00-0085 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,306.02 265.68 203.04	159.99
26 43 13 00-0086 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	8,721.51 265.68 203.04	186.66
26 43 13 00-0087 NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor (26 43 13 00-0028)		
Note: Square D EBA series. Stainless steel.		
26 43 13 00-0088 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,377.14 265.68 203.04	138.66
26 43 13 00-0089 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,041.83 265.68 203.04	159.99
26 43 13 00-0090 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,842.86 265.68 203.04	186.66
26 43 13 00-0091 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,479.13 265.68 203.04	138.66
26 43 13 00-0092 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,192.93 265.68 203.04	159.99
26 43 13 00-0093 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,040.54 265.68 203.04	186.66
26 43 13 00-0094 EA 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,479.13 265.68 203.04	138.66



Electrical			26
Electrical And Cathodic Protection			26 40
Surge Protective Devices			26 43

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0095 EA 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor .....5,192.93 For Integral Disconnect, Add 265.68 For Surge Counter, Add 203.04		159.99
26 43 13 00-0096 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor .....7,040.54 For Integral Disconnect, Add 265.68 For Surge Counter, Add 203.04		186.66
26 43 13 00-0097 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor .....4,608.83 For Integral Disconnect, Add 265.68 For Surge Counter, Add 203.04		138.66
26 43 13 00-0098 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor .....5,355.36 For Integral Disconnect, Add 265.68 For Surge Counter, Add 203.04		159.99
26 43 13 00-0099 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor .....7,293.63 For Integral Disconnect, Add 265.68 For Surge Counter, Add 203.04		186.66
26 43 13 00-0100 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor .....4,744.82 For Integral Disconnect, Add 265.68 For Surge Counter, Add 203.04		138.66
26 43 13 00-0101 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor .....5,527.86 For Integral Disconnect, Add 265.68 For Surge Counter, Add 203.04		159.99
26 43 13 00-0102 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor .....7,559.31 For Integral Disconnect, Add 265.68 For Surge Counter, Add 203.04		186.66

26 50 Lighting⁽²⁶⁾

Note: Light fixtures include testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

26 51 Interior Lighting^(26 50)

26 51 13 Incandescent Interior Lighting^(26 51)

26 51 13 00-0001 Recessed Fixtures^(26 51 13)
Note: Housing and trim priced separately.

26 51 13 00-0002 Incandescent, Recessed Fixture Housings^(26 51 13 00-0001)

26 51 13 00-0003 EA 4" Round, Incandescent, T Or ICT Recessed Fixture Housing .....71.94 For ICAT Housing, Add 3.36	30.51
26 51 13 00-0004 EA 5" Round, Incandescent, T Or ICT Recessed Fixture Housing .....71.94 For ICAT Housing, Add 3.36	30.51
26 51 13 00-0005 EA 6" Round, Incandescent, T Or ICT Recessed Fixture Housing .....76.32 For ICAT Housing, Add 3.65	32.00
26 51 13 00-0006 EA 7" Round, Incandescent, T Or ICT Recessed Fixture Housing .....80.84 For ICAT Housing, Add 3.96	33.38
26 51 13 00-0007 EA 8" Round, Incandescent, T Or ICT Recessed Fixture Housing .....85.38 For ICAT Housing, Add 4.27	34.77
26 51 13 00-0008 EA 10" To 12" Square, Incandescent, T Or ICT Recessed Fixture Housing .....87.19 For ICAT Housing, Add 4.09	36.90

26 51 13 00-0009 Recessed Fixture Trim^(26 51 13 00-0001)

26 51 13 00-0010 EA Circular, Recessed Fixture Trim .....54.66	14.94
26 51 13 00-0011 EA Circular Clear Lens, Recessed Fixture Trim .....60.57	14.94
26 51 13 00-0012 EA Open/Baffle, Recessed Fixture Trim .....70.81	14.94
26 51 13 00-0013 EA Specular Reflector, Recessed Fixture Trim .....76.23	14.94
26 51 13 00-0014 EA Eyeball, Recessed Fixture Trim .....60.65	14.94
26 51 13 00-0015 EA 10" To 12" Square, Clear Lens, Recessed Fixture Trim .....57.48	14.94
26 51 13 00-0016 EA 10" To 12" Square, Drop Dish, Recessed Fixture Trim .....61.12	14.94

26 51 13 00-0017 Track Lighting^(26 51 13)

26 51 13 00-0018 Track Lighting Tracks^(26 51 13 00-0017)

26 51 13 00-0019 LF 1 Circuit Track Lighting Track .....35.60	7.04
26 51 13 00-0020 LF 2 Circuit Track Lighting Track .....48.05	7.04
26 51 13 00-0021 LF 3 Circuit Track Lighting Track .....58.54	7.04
26 51 13 00-0022 LF 4 Circuit Track Lighting Track .....69.03	8.53

26 51 13 00-0023 Incandescent Track Lighting Fixtures^(26 51 13 00-0017)

26 51 13 00-0024 EA Incandescent Track Lighting Fixture .....70.52	17.81
26 51 13 00-0025 EA Par 20 Track Fixture, White Or Black Finish, 120 Volt .....76.73	17.81
26 51 13 00-0026 EA Par 30 Track Fixture, White Or Black Finish, 120 Volt .....115.39	17.81
26 51 13 00-0027 EA Par 38 Track Fixture, White Or Black Finish, 120 Volt .....119.22	17.81
26 51 13 00-0028 EA PAR 16, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt .....94.23	17.81
26 51 13 00-0029 EA PAR 20, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt .....76.73	17.81
26 51 13 00-0030 EA PAR 30, Baffled Cylinder Track Fixture, White or Black Finish .....92.39	17.81
Note: 120V.	
26 51 13 00-0031 EA PAR 38, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt .....123.06	17.81

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0032		Track Lighting Accessories (26 51 13 00-0017)		
26 51 13 00-0033		Pendant Mounting (26 51 13 00-0032)		
26 51 13 00-0034	EA	Track Lighting Pendant Mounting, Up to 12".....	25.67	
26 51 13 00-0035	EA	Track Lighting Pendant Mounting, >12" To 24".....	33.28	
26 51 13 00-0036	EA	Track Lighting Pendant Mounting, >24" To 36".....	40.66	
26 51 13 00-0037		Wet Location, Dust Resistant, Vapor Tight Fixtures (26 51 13)		
26 51 13 00-0038		Incandescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 13 00-0037)		
26 51 13 00-0039	EA	100 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... For Wall Mounted, Add	128.62 5.10	42.67
26 51 13 00-0040	EA	200 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... For Wall Mounted, Add	149.02 5.10	42.67
26 51 16		Fluorescent Interior Lighting (26 51)		
26 51 16 00-0001		Fluorescent Fixtures (26 51 16)		
26 51 16 00-0002		Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0001)		
26 51 16 00-0003		6" x 2', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0002)		
26 51 16 00-0004	EA	1 T8 Lamp, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture.....	153.82	30.50
26 51 16 00-0005	EA	2 T8 Lamps, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture.....	171.82	30.50
26 51 16 00-0006		6" x 4', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0002)		
26 51 16 00-0007	EA	1 T8 Lamp, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture.....	172.75	31.76
26 51 16 00-0008	EA	2 T8 Lamps, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture.....	191.60	31.76
26 51 16 00-0009		1' x 4', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0002)		
26 51 16 00-0010	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture.....	204.58	35.66
26 51 16 00-0011	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture.....	241.19	35.66
26 51 16 00-0012	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture.....	281.66	35.66
26 51 16 00-0013		2' x 2', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0002)		
26 51 16 00-0014	EA	2 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture.....	168.54	38.97
26 51 16 00-0015	EA	3 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture.....	193.92	38.97
26 51 16 00-0016		2' x 4', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0002)		
26 51 16 00-0017	EA	2 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture.....	262.78	45.41
26 51 16 00-0018	EA	3 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture.....	281.11	45.41
26 51 16 00-0019	EA	4 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture.....	317.67	45.41
26 51 16 00-0020		Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0001) Note: Includes prismatic lens.		
26 51 16 00-0021		1' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0020)		
26 51 16 00-0022	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	203.42	35.37
26 51 16 00-0023	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	329.87	35.37
26 51 16 00-0024	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	374.93	35.37
26 51 16 00-0025		2' x 2', Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0020)		
26 51 16 00-0026	EA	2 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture.....	321.05	38.97
26 51 16 00-0027	EA	3 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture.....	349.76	38.97
26 51 16 00-0028	EA	4 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture.....	370.22	38.97
26 51 16 00-0029		2' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0020)		
26 51 16 00-0030	EA	2 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	324.16	45.41
26 51 16 00-0031	EA	3 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	353.88	45.41
26 51 16 00-0032	EA	4 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	369.41	45.41
26 51 16 00-0033	EA	6 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	392.19	45.41
26 51 16 00-0034		4' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0020)		
26 51 16 00-0035	EA	4 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	641.15	58.46
26 51 16 00-0036	EA	6 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	648.10	58.46
26 51 16 00-0037	EA	8 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	524.36	58.46
26 51 16 00-0038		Recessed Fluorescent Fixtures (26 51 16 00-0001)		



Electrical		26
Lighting		26 50
Interior Lighting		26 51

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0039 Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0038)		
26 51 16 00-0040 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 16 00-0039)		
26 51 16 00-0041 EA 2 T8 Lamps, 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture..... For Drywall Or Plaster Ceilings, Add	205.32 20.61	30.50
26 51 16 00-0042 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 16 00-0039)		
26 51 16 00-0043 EA 2 T8 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture..... For Drywall Or Plaster Ceilings, Add	265.54 24.12	35.37
26 51 16 00-0044 EA 2 T5 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture..... For Drywall Or Plaster Ceilings, Add	479.04 24.12	35.37
26 51 16 00-0045 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 16 00-0039)		
26 51 16 00-0046 EA 2 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture..... For Drywall Or Plaster Ceilings, Add	271.65 26.31	38.97
26 51 16 00-0047 EA 3 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture..... For Drywall Or Plaster Ceilings, Add	309.34 26.31	38.97
26 51 16 00-0048 EA 4 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture..... For Drywall Or Plaster Ceilings, Add	313.00 26.31	38.97
26 51 16 00-0049 EA 2 T5 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture..... For Drywall Or Plaster Ceilings, Add	336.68 26.31	38.97
26 51 16 00-0050 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 16 00-0039)		
26 51 16 00-0051 EA 2 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture..... For Drywall Or Plaster Ceilings, Add	263.79 30.69	45.41
26 51 16 00-0052 EA 3 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture..... For Drywall Or Plaster Ceilings, Add	361.88 30.69	45.41
26 51 16 00-0053 EA 4 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture..... For Drywall Or Plaster Ceilings, Add	365.36 30.69	45.41
26 51 16 00-0054 EA 6 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture..... For Drywall Or Plaster Ceilings, Add	405.06 30.69	45.41
26 51 16 00-0055 EA 2 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture..... For Drywall Or Plaster Ceilings, Add	353.38 30.69	45.41
26 51 16 00-0056 EA 3 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture..... For Drywall Or Plaster Ceilings, Add	478.83 30.69	45.41
26 51 16 00-0057 EA 4 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture..... For Drywall Or Plaster Ceilings, Add	488.97 30.69	45.41
26 51 16 00-0058 Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0038)		
26 51 16 00-0059 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0058)		
26 51 16 00-0060 EA 1 T8 Lamp, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture..... For Drywall Or Plaster Ceilings, Add	238.06 20.61	30.50
26 51 16 00-0061 EA 2 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture..... For Drywall Or Plaster Ceilings, Add	241.71 20.61	30.50
26 51 16 00-0062 EA 3 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture..... For Drywall Or Plaster Ceilings, Add	281.75 20.61	30.50
26 51 16 00-0063 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0058)		
26 51 16 00-0064 EA 1 T8 Lamp, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture..... For Drywall Or Plaster Ceilings, Add	270.38 24.12	35.37
26 51 16 00-0065 EA 2 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture..... For Drywall Or Plaster Ceilings, Add	273.86 24.12	35.37
26 51 16 00-0066 EA 3 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture..... For Drywall Or Plaster Ceilings, Add	307.23 24.12	35.37
26 51 16 00-0067 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0058)		
26 51 16 00-0068 EA 2 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture..... For Drywall Or Plaster Ceilings, Add	279.55 26.31	38.97
26 51 16 00-0069 EA 3 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture..... For Drywall Or Plaster Ceilings, Add	283.20 26.31	38.97
26 51 16 00-0070 EA 4 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture..... For Drywall Or Plaster Ceilings, Add	322.64 26.31	38.97
26 51 16 00-0071 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0058)		
26 51 16 00-0072 EA 2 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture..... For Drywall Or Plaster Ceilings, Add	263.79 30.69	45.41
26 51 16 00-0073 EA 3 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture..... For Drywall Or Plaster Ceilings, Add	305.62 30.69	45.41
26 51 16 00-0074 EA 4 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture..... For Drywall Or Plaster Ceilings, Add	345.34 30.69	45.41
26 51 16 00-0075 EA 6 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture..... For Drywall Or Plaster Ceilings, Add	388.69 30.69	45.41

26	Electrical
26 50	Lighting
26 51	Interior Lighting



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 51 16 00-0076	Direct-Indirect, Recessed Fluorescent Fixtures (26 51 16 00-0038)				
26 51 16 00-0077	1' x 4', Direct-Indirect, Recessed Fluorescent Fixtures (26 51 16 00-0076)				
26 51 16 00-0078	EA 1 T8 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	498.62 24.12		35.37	
26 51 16 00-0079	EA 2 T8 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	502.10 24.12		35.37	
26 51 16 00-0080	EA 1 T5 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	591.36 24.12		35.37	
26 51 16 00-0081	EA 2 T5 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	601.50 24.12		35.37	
26 51 16 00-0082	2' x 2', Direct-Indirect, Recessed Fluorescent Fixtures (26 51 16 00-0076)				
26 51 16 00-0083	EA 2 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	399.95 26.31		38.97	
26 51 16 00-0084	EA 3 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	444.96 26.31		38.97	
26 51 16 00-0085	EA 2 T5 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	543.56 26.31		38.97	
26 51 16 00-0086	2' x 4', Direct-Indirect, Recessed Fluorescent Fixtures (26 51 16 00-0076)				
26 51 16 00-0087	EA 2 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	447.57 30.69		45.41	
26 51 16 00-0088	EA 3 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	549.31 30.69		45.41	
26 51 16 00-0089	EA 1 T5 Lamp, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	585.42 30.69		45.41	
26 51 16 00-0090	EA 2 T5 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	642.59 30.69		45.41	
26 51 16 00-0091	Volumetric, Recessed Fluorescent Fixtures (26 51 16 00-0038)				
26 51 16 00-0092	1' x 4', Volumetric, Recessed Fluorescent Fixtures (26 51 16 00-0091)				
26 51 16 00-0093	EA 2 T8 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	392.03 24.12		35.37	
26 51 16 00-0094	EA 2 T5 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	515.67 24.12		35.37	
26 51 16 00-0095	2' x 2', Volumetric, Recessed Fluorescent Fixtures (26 51 16 00-0091)				
26 51 16 00-0096	EA 2 T8 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	391.97 26.31		38.97	
26 51 16 00-0097	EA 2 T5 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	447.25 26.31		38.97	
26 51 16 00-0098	2' x 4', Volumetric, Recessed Fluorescent Fixtures (26 51 16 00-0091)				
26 51 16 00-0099	EA 2 T8 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	435.88 30.69		45.41	
26 51 16 00-0100	EA 2 T5 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	436.80 30.69		45.41	
26 51 16 00-0101	Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0038)				
26 51 16 00-0102	1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0101)				
26 51 16 00-0103	EA 2 T8 Lamps, 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	364.75 24.12		35.37	
26 51 16 00-0104	2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0101)				
26 51 16 00-0105	EA 2 T8 Lamps, 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	352.55 26.31		38.97	
26 51 16 00-0106	2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0101)				
26 51 16 00-0107	EA 2 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	424.19 30.69		45.41	
26 51 16 00-0108	EA 3 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	407.84 30.69		45.41	
26 51 16 00-0109	EA 4 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	483.76 30.69		45.41	



Electrical		26
Lighting		26 50
Interior Lighting		26 51

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0110	Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0038)		
26 51 16 00-0111	1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0110)		
26 51 16 00-0112	EA 2 T8 Lamps, 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	347.96 24.12	35.37
26 51 16 00-0113	2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0110)		
26 51 16 00-0114	EA 2 T8 Lamps, 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	352.15 26.31	38.97
26 51 16 00-0115	2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0110)		
26 51 16 00-0116	EA 2 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	433.61 30.69	45.41
26 51 16 00-0117	EA 3 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	440.37 30.69	45.41
26 51 16 00-0118	EA 4 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	450.79 30.69	45.41
26 51 16 00-0119	Striplight Fluorescent Fixtures (26 51 16 00-0001)		
26 51 16 00-0120	1 Lamp Cross Section, Striplight Fluorescent Fixtures (26 51 16 00-0119)		
26 51 16 00-0121	EA 1-1/2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	154.37	29.23
26 51 16 00-0122	EA 2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	186.99	29.23
26 51 16 00-0123	EA 3' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	185.28	32.44
26 51 16 00-0124	EA 4' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	189.28	35.66
26 51 16 00-0125	EA 8' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	230.10	42.24
26 51 16 00-0126	2 Lamp Cross Section, Striplight Fluorescent Fixtures (26 51 16 00-0119)		
26 51 16 00-0127	EA 2' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	188.23	32.44
26 51 16 00-0128	EA 3' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	194.49	35.66
26 51 16 00-0129	EA 4' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	197.63	38.97
26 51 16 00-0130	3 Lamp Cross Section, Striplight Fluorescent Fixtures (26 51 16 00-0119)		
26 51 16 00-0131	EA 2' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	270.12	32.44
26 51 16 00-0132	EA 3' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	262.51	35.66
26 51 16 00-0133	EA 4' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	264.80	38.97
26 51 16 00-0134	Display Case Fluorescent Fixtures (26 51 16 00-0119)		
26 51 16 00-0135	EA 1 T8 Lamp, 1-1/2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU15W)	112.51	32.00
26 51 16 00-0136	EA 1 T8 Lamp, 2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU20W)	144.29	32.00
26 51 16 00-0137	EA 1 T8 Lamp, 3' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU30W)	156.17	37.33
26 51 16 00-0138	EA 1 T8 Lamp, 4' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU40W)	159.78	37.33
26 51 16 00-0139	Industrial Fluorescent Fixtures (26 51 16 00-0001)		
26 51 16 00-0140	1 Lamp Cross Section, Industrial Fluorescent Fixtures (26 51 16 00-0139)		
26 51 16 00-0141	EA 2' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	217.93	29.23
26 51 16 00-0142	EA 4' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	231.04	35.66
26 51 16 00-0143	EA 8' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	416.64	45.41
26 51 16 00-0144	2 Lamp Cross Section, Industrial Fluorescent Fixtures (26 51 16 00-0139)		
26 51 16 00-0145	EA 2' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	226.44	32.44
26 51 16 00-0146	EA 4' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	239.40	38.97
26 51 16 00-0147	EA 8' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	423.59	45.41
26 51 16 00-0148	3 Lamp Cross Section, Industrial Fluorescent Fixtures (26 51 16 00-0139)		
26 51 16 00-0149	EA 2' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	235.55	32.44
26 51 16 00-0150	EA 4' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	246.97	38.97
26 51 16 00-0151	EA 8' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	368.67	45.41
26 51 16 00-0152	4 Lamp Cross Section, Industrial Fluorescent Fixtures (26 51 16 00-0139)		
26 51 16 00-0153	EA 4' Length, 4 T8 Lamps, Industrial Fluorescent Fixture	333.98	38.97
26 51 16 00-0154	EA 8' Length, 4 T8 Lamps, Industrial Fluorescent Fixture	484.80	45.41



MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0155		Flanged Fluorescent Fixture (26 51 16 00-0001) Note: For plaster or drywall application. With electronic ballast.		
26 51 16 00-0156	EA	2 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	323.30	58.46
26 51 16 00-0157	EA	3 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	381.36	58.46
26 51 16 00-0158	EA	4 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	384.84	58.46
26 51 16 00-0159		Undercabinet Fluorescent Fixtures (26 51 16 00-0001)		
26 51 16 00-0160	EA	1 T5 Lamp, 12-3/16" Length, Slimline Undercabinet Fluorescent Fixture	119.55	26.31
26 51 16 00-0161	EA	1 T5 Lamp, 21-3/16" Length, Slimline Undercabinet Fluorescent Fixture	139.77	32.15
26 51 16 00-0162	EA	2 T5 Lamps, 24-7/16" Length, Slimline Undercabinet Fluorescent Fixture	137.69	32.15
26 51 16 00-0163	EA	1 T5 Lamp, 33-7/16" Length, Slimline Undercabinet Fluorescent Fixture	164.95	35.08
26 51 16 00-0164	EA	2 T5 Lamps, 42-7/16" Length, Slimline Undercabinet Fluorescent Fixture	191.82	40.93
26 51 16 00-0165		Corner Mounted, Fluorescent Fixtures (26 51 16 00-0001) Note: Includes acrylic drop dish diffuser.		
26 51 16 00-0166		2' Length, Corner Mounted, Fluorescent Fixtures (26 51 16 00-0165)		
26 51 16 00-0167	EA	1 T8 Lamp, 2' Length, Corner Mounted, Fluorescent Fixture	205.93	29.23
26 51 16 00-0168	EA	2 T8 Lamps, 2' Length, Corner Mounted, Fluorescent Fixture	228.62	29.23
26 51 16 00-0169		3' Length, Corner Mounted, Fluorescent Fixtures (26 51 16 00-0165)		
26 51 16 00-0170	EA	1 T8 Lamp, 3' Length, Corner Mounted, Fluorescent Fixture	234.78	30.69
26 51 16 00-0171	EA	2 T8 Lamps, 3' Length, Corner Mounted, Fluorescent Fixture	256.24	30.69
26 51 16 00-0172		4' Length, Corner Mounted, Fluorescent Fixtures (26 51 16 00-0165)		
26 51 16 00-0173	EA	1 T8 Lamp, 4' Length, Corner Mounted, Fluorescent Fixture	230.78	32.15
26 51 16 00-0174	EA	2 T8 Lamps, 4' Length, Corner Mounted, Fluorescent Fixture	252.26	32.15
26 51 16 00-0175		Wall Bracket, Fluorescent Fixtures (26 51 16 00-0001)		
26 51 16 00-0176		Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 16 00-0175) Note: Includes extruded aluminum housing with brushed finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0177		2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 16 00-0176)		
26 51 16 00-0178	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	215.87	49.06
26 51 16 00-0179	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	218.98	49.06
26 51 16 00-0180		3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 16 00-0176)		
26 51 16 00-0181	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	285.37	49.06
26 51 16 00-0182	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	289.71	49.06
26 51 16 00-0183		4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 16 00-0176)		
26 51 16 00-0184	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	296.79	49.06
26 51 16 00-0185	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	299.89	49.06
26 51 16 00-0186		Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 16 00-0175) Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0187		2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 16 00-0186)		
26 51 16 00-0188	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	447.34	49.06
26 51 16 00-0189	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	450.45	49.06
26 51 16 00-0190		3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 16 00-0186)		
26 51 16 00-0191	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	353.97	49.06
26 51 16 00-0192	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	358.31	49.06
26 51 16 00-0193		4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 16 00-0186)		
26 51 16 00-0194	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	406.88	49.06
26 51 16 00-0195	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	409.99	49.06
26 51 16 00-0196		Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 16 00-0175) Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0197		2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 16 00-0196)		
26 51 16 00-0198	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	205.82	49.06
26 51 16 00-0199	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	208.92	49.06
26 51 16 00-0200		3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 16 00-0196)		



		Electrical	26	26
		Lighting	26 50	
		Interior Lighting	26 51	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0201	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	207.05	49.06
26 51 16 00-0202	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	211.39	49.06
26 51 16 00-0203		4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 16 00-0196)		
26 51 16 00-0204	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	198.12	49.06
26 51 16 00-0205	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	201.22	49.06
26 51 16 00-0206		Low Occupancy, Industrial Fluorescent Fixtures (26 51 16 00-0001)		
26 51 16 00-0207	EA	1 T8 Lamp, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP).....	263.03	35.66
26 51 16 00-0208	EA	2 T8 Lamps, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP).....	267.90	38.97
26 51 16 00-0209		Ceiling Mounted Fluorescent Fixtures (26 51 16)		
26 51 16 00-0210		Ceiling Mounted, Compact Fluorescent/Incandescent Fixtures (26 51 16 00-0209)		
26 51 16 00-0211		Glass Globe, Compact Fluorescent/Incandescent Fixtures (26 51 16 00-0210)		
26 51 16 00-0212	EA	6" Diameter, Ceiling Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture.....	131.84	42.67
26 51 16 00-0213	EA	9" Diameter, Ceiling Mounted, Mushroom Style Glass Globe, Compact Fluorescent/Incandescent Fixture.....	155.04	42.67
26 51 16 00-0214		Ceiling Mounted, Circline Fluorescent Fixtures (26 51 16 00-0209)		
26 51 16 00-0215		Exposed Lamps, Circline Fluorescent Fixtures (26 51 16 00-0214)		
26 51 16 00-0216	EA	8-1/2" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture.....	112.28	42.67
26 51 16 00-0217	EA	12" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture.....	121.86	42.67
26 51 16 00-0218		Low Profile Acrylic Diffuser, Circline Fluorescent Fixtures (26 51 16 00-0214)		
26 51 16 00-0219	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	162.59	42.67
26 51 16 00-0220	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	226.46	42.67
26 51 16 00-0221	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	270.71	42.67
26 51 16 00-0222	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	183.28	42.67
26 51 16 00-0223	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	227.77	42.67
26 51 16 00-0224	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	270.71	42.67
26 51 16 00-0225		Ceiling Mounted, Double Twin Tube Compact Fluorescent Fixtures (26 51 16 00-0209)		
26 51 16 00-0226		Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixtures (26 51 16 00-0225)		
26 51 16 00-0227	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	165.64	42.67
26 51 16 00-0228	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	211.26	42.67
26 51 16 00-0229	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	251.02	42.67
26 51 16 00-0230	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	134.77	42.67
26 51 16 00-0231	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	159.13	42.67
26 51 16 00-0232	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	205.30	42.67
26 51 16 00-0233		Pendant Mounted, Compact Fluorescent/Incandescent Downlights (26 51 16 00-0209)		
26 51 16 00-0234		Pendant Mounted, Compact Fluorescent/Incandescent Open Reflector Downlights (26 51 16 00-0233)		
26 51 16 00-0235	EA	6" Diameter, Pendant Mounted, Open Reflector Compact Fluorescent/Incandescent Downlight.....	251.07	35.05
26 51 16 00-0236		Pendant Mounted, Compact Fluorescent/Incandescent Downlights With Baffle (26 51 16 00-0233)		
26 51 16 00-0237	EA	6" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle.....	286.39	35.05
26 51 16 00-0238	EA	8" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle.....	400.34	35.05
26 51 16 00-0239		Pendant Mounted, Horizontal Indirect Fluorescent Fixtures (26 51 16 00-0209)		
26 51 16 00-0240	EA	1 T5HO Lamp, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	208.70	35.05
26 51 16 00-0241	EA	2 T5HO Lamps, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	221.67	35.05
26 51 16 00-0242	EA	3 T5HO Lamps, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	263.38	35.05
26 51 16 00-0243	EA	2 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	272.62	35.05
26 51 16 00-0244	EA	4 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	324.68	35.05
26 51 16 00-0245	EA	6 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	385.89	35.05
26 51 16 00-0246		Fluorescent, Recessed Fixture Housings (26 51 16)		
26 51 16 00-0247	EA	4" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	113.34	30.51
		For ICAT Housing, Add	8.70	
26 51 16 00-0248	EA	5" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	117.01	30.51
		For ICAT Housing, Add	9.18	

26	Electrical
26 50	Lighting
26 51	Interior Lighting



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0249	EA	6" Round, Fluorescent, T Or ICT Recessed Fixture Housing..... <i>For ICAT Housing, Add</i>	121.93 9.54	31.89
26 51 16 00-0250	EA	7" Round, Fluorescent, T Or ICT Recessed Fixture Housing..... <i>For ICAT Housing, Add</i>	128.11 10.06	33.06
26 51 16 00-0251	EA	8" Round, Fluorescent, T Or ICT Recessed Fixture Housing..... <i>For ICAT Housing, Add</i>	133.52 10.48	34.77
26 51 16 00-0252	EA	10" To 12" Square, Fluorescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	138.39 10.70	36.90
26 51 16 00-0253 Compact Fluorescent, Recessed Fixture Housings (26 51 16)				
26 51 16 00-0254	EA	4" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing..... <i>For ICAT Housing, Add</i>	129.14 10.74	30.51
26 51 16 00-0255	EA	5" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing..... <i>For ICAT Housing, Add</i>	132.76 11.21	30.51
26 51 16 00-0256	EA	6" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing..... <i>For ICAT Housing, Add</i>	137.81 11.59	32.00
26 51 16 00-0257	EA	7" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing..... <i>For ICAT Housing, Add</i>	141.89 11.84	33.38
26 51 16 00-0258	EA	8" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing..... <i>For ICAT Housing, Add</i>	146.58 12.17	34.77
26 51 16 00-0259	EA	10" To 12" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	151.17 12.35	36.90
26 51 16 00-0260 Fluorescent Track Lighting Fixtures (26 51 16)				
26 51 16 00-0261	EA	2L 18W BX Track Fixture, Electronic Ballast..... Note: White or Black Finish, 120V.	330.68	17.81
26 51 16 00-0262	EA	2L 39W BX Track Fixture, Electronic Ballast..... Note: White or Black Finish, 120V.	346.01	17.81
26 51 16 00-0263	EA	2L 40W BX Track Fixture, Electronic Ballast..... Note: White or Black Finish, 120V.	355.59	17.81
26 51 16 00-0264	EA	2L 50W BX Track Fixture, Electronic Ballast..... Note: White or Black Finish, 120V.	314.16	17.81
26 51 16 00-0265	EA	2L 55 Watt BX Track Fixture, Electronic Ballast..... Note: White or Black Finish, 120V.	402.32	17.81
26 51 16 00-0266 Compact Fluorescent Track Lighting Fixtures (26 51 16)				
26 51 16 00-0267	EA	Compact Fluorescent Track Lighting Fixture.....	82.44	17.81
26 51 16 00-0268 Compact Fluorescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 16)				
26 51 16 00-0269	EA	13 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture <i>For Wall Mounted, Add</i>	139.15 6.02	42.67
26 51 16 00-0270	EA	22 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture <i>For Wall Mounted, Add</i>	143.16 6.02	42.67
26 51 16 00-0271	EA	28 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture <i>For Wall Mounted, Add</i>	153.08 6.02	42.67
26 51 16 00-0272 Wet Location, Dust Resistant, Vapor Tight, Enclosed And Gasketed, Industrial Fluorescent Fixtures (26 51 16)				
26 51 16 00-0273 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (26 51 16 00-0272)				
26 51 16 00-0274 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia DMW) (26 51 16 00-0273)				
Note: Includes high impact acrylic molded lens.				
26 51 16 00-0275	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW) <i>For T5 Fixture Instead Of T8, Add</i>	251.25 20.96	45.41
26 51 16 00-0276	EA	2 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW) <i>For T5 Fixture Instead Of T8, Add</i>	262.24 22.22	45.41
26 51 16 00-0277	EA	3 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW) <i>For T5 Fixture Instead Of T8, Add</i>	411.32 39.29	45.41
26 51 16 00-0278	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	354.76	45.41
26 51 16 00-0279	EA	2 T8HO Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	570.28	45.41
26 51 16 00-0280 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Day-Brite V2W) (26 51 16 00-0273)				
Note: Includes high impact acrylic molded lens.				
26 51 16 00-0281	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	251.38	45.41
26 51 16 00-0282	EA	2 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	253.82	45.41
26 51 16 00-0283	EA	3 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	362.47	45.41
26 51 16 00-0284	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	303.77	45.41
26 51 16 00-0285	EA	2 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	316.82	45.41



Electrical		26
Lighting		26 50
Interior Lighting		26 51

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0286 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (26 51 16 00-0272) Note: Includes high impact acrylic molded lens.		
26 51 16 00-0287 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia TDMW) (26 51 16 00-0286) Note: Includes high impact acrylic molded lens.		
26 51 16 00-0288 EA 2 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW) For T5 Fixture Instead Of T8, Add	475.75 43.87	61.68
26 51 16 00-0289 EA 4 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW) For T5 Fixture Instead Of T8, Add	492.53 45.79	61.68
26 51 16 00-0290 High Bay Fluorescent Fixtures (26 51 16)		
26 51 16 00-0291 (T8) Fluorescent, High Bay Fixtures (26 51 16 00-0290)		
26 51 16 00-0292 (T8) Fluorescent, High Bay Fixtures (Lithonia) (26 51 16 00-0291) Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0293 EA 2 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) For Wire Guard, Add For Polycarbonate Lens, Add For Acrylic Lens, Add	363.86 40.50 47.75 54.00	99.39
26 51 16 00-0294 EA 3 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) For Wire Guard, Add For Polycarbonate Lens, Add For Acrylic Lens, Add	382.40 40.50 47.75 54.00	110.11
26 51 16 00-0295 EA 4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) For Wire Guard, Add For Polycarbonate Lens, Add For Acrylic Lens, Add	433.27 40.50 47.75 54.00	125.69
26 51 16 00-0296 EA 6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) For Wire Guard, Add For Polycarbonate Lens, Add For Acrylic Lens, Add	512.06 40.50 47.75 54.00	132.42
26 51 16 00-0297 EA 8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) For Wire Guard, Add For Polycarbonate Lens, Add For Acrylic Lens, Add	554.17 40.50 47.75 54.00	138.56
26 51 16 00-0298 EA 4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ) For Wire Guard, Add For Polycarbonate Lens, Add For Acrylic Lens, Add	381.45 40.50 47.75 54.00	125.69
26 51 16 00-0299 EA 6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ) For Wire Guard, Add For Polycarbonate Lens, Add For Acrylic Lens, Add	398.13 40.50 47.75 54.00	132.42
26 51 16 00-0300 EA 8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ) For Wire Guard, Add For Polycarbonate Lens, Add For Acrylic Lens, Add	455.92 40.50 47.75 54.00	138.56
26 51 16 00-0301 (T5HO) Fluorescent, High Bay Fixtures (26 51 16 00-0290)		
26 51 16 00-0302 (T5HO) Fluorescent, High Bay Fixtures (Lithonia) (26 51 16 00-0301) Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0303 EA 2 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) For Wire Guard, Add For Polycarbonate Lens, Add For Acrylic Lens, Add	370.70 40.50 47.75 54.00	99.39
26 51 16 00-0304 EA 3 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) For Wire Guard, Add For Polycarbonate Lens, Add For Acrylic Lens, Add	390.90 40.50 47.75 54.00	110.11
26 51 16 00-0305 EA 4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) For Wire Guard, Add For Polycarbonate Lens, Add For Acrylic Lens, Add	445.81 40.50 47.75 54.00	125.69
26 51 16 00-0306 EA 6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) For Wire Guard, Add For Polycarbonate Lens, Add For Acrylic Lens, Add	534.12 40.50 47.75 54.00	132.42
26 51 16 00-0307 EA 4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ) For Wire Guard, Add For Polycarbonate Lens, Add For Acrylic Lens, Add	410.76 40.50 47.75 54.00	125.69
26 51 16 00-0308 EA 6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ) For Wire Guard, Add For Polycarbonate Lens, Add For Acrylic Lens, Add	453.53 40.50 47.75 54.00	132.42
26 51 16 00-0309 EA 8 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ) For Wire Guard, Add For Polycarbonate Lens, Add For Acrylic Lens, Add	532.31 40.50 47.75 54.00	138.56

26 Electrical
26 50 Lighting
26 51 Interior Lighting



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 51 19 LED Interior Lighting (26 51)

26 51 19 00-0001 LED Fixtures (26 51 19)

26 51 19 00-0002 Undercabinet LED Fixtures (26 51 19 00-0001)

26 51 19 00-0003	EA 12" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ12-M6).....	123.34	26.31
	For >50 To 100, Deduct	-4.18	
	For >100 To 250, Deduct	-7.26	
	For >250 To 500, Deduct	-12.33	
	For >500, Deduct	-17.40	
26 51 19 00-0004	EA 18" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ18-M6).....	154.88	32.15
	For >50 To 100, Deduct	-5.21	
	For >100 To 250, Deduct	-9.08	
	For >250 To 500, Deduct	-15.49	
	For >500, Deduct	-21.89	
26 51 19 00-0005	EA 24" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ24-M6).....	165.05	32.15
	For >50 To 100, Deduct	-5.47	
	For >100 To 250, Deduct	-9.59	
	For >250 To 500, Deduct	-16.51	
	For >500, Deduct	-23.42	
26 51 19 00-0006	EA 24" HIDE-A-LITE V Series LED Undercabinet Fixture (Progress Lighting P700003-028-30).....	116.05	26.31
	For >50 To 100, Deduct	-4.00	
	For >100 To 250, Deduct	-6.90	
	For >250 To 500, Deduct	-11.61	
	For >500, Deduct	-16.31	

26 51 19 00-0007 Surface Mount Linear/Striplight LED Fixtures (26 51 19 00-0001)

26 51 19 00-0008 Striplight LED Fixtures (Lithonia ZL) (26 51 19 00-0007)

26 51 19 00-0009	EA 3,000 Lumens, 2' Length, LED Striplight Fixture (Lithonia ZL1).....	187.91	29.23
	For >50 To 100, Deduct	-5.79	
	For >100 To 250, Deduct	-10.49	
	For >250 To 500, Deduct	-18.79	
	For >500, Deduct	-27.09	
26 51 19 00-0010	EA 2,800 Lumens, 4' Length, LED Striplight Fixture (Lithonia ZL1).....	197.65	35.66
	For >50 To 100, Deduct	-6.28	
	For >100 To 250, Deduct	-11.22	
	For >250 To 500, Deduct	-19.77	
	For >500, Deduct	-28.31	
26 51 19 00-0011	EA 1,400 Lumens, 2' Length, Lensed LED Striplight Fixture (Lithonia ZL2).....	212.32	29.23
	For >50 To 100, Deduct	-6.40	
	For >100 To 250, Deduct	-11.71	
	For >250 To 500, Deduct	-21.23	
	For >500, Deduct	-30.75	
26 51 19 00-0012	EA 2,300 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2).....	222.06	35.66
	For >50 To 100, Deduct	-6.89	
	For >100 To 250, Deduct	-12.44	
	For >250 To 500, Deduct	-22.21	
	For >500, Deduct	-31.97	
26 51 19 00-0013	EA 4,600 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2).....	279.07	35.66
	For >50 To 100, Deduct	-8.32	
	For >100 To 250, Deduct	-15.29	
	For >250 To 500, Deduct	-27.91	
	For >500, Deduct	-40.52	

26 51 19 00-0014 Striplight LED Fixtures (Mobern) (26 51 19 00-0007)

26 51 19 00-0015	EA 1,100 Lumens, 12 Watt, 2' Length, Chrome, LED Bracket Fixture (Mobern 7924LED12DMV30).....	152.50	29.23
	For >50 To 100, Deduct	-4.91	
	For >100 To 250, Deduct	-8.72	
	For >250 To 500, Deduct	-15.25	
	For >500, Deduct	-21.78	

26 51 19 00-0016 Striplight LED Fixtures (Eaton) (26 51 19 00-0007)

26 51 19 00-0017	EA 2,301 Lumens, 18 Watt, 4' Length, LED Strip Lighting (Eaton Lighting 4SNLED-LD4-22SL-LC-UNV-L840-CD1-U).....	193.37	35.66
	For >50 To 100, Deduct	-6.17	
	For >100 To 250, Deduct	-11.01	
	For >250 To 500, Deduct	-19.34	
	For >500, Deduct	-27.67	
26 51 19 00-0018	EA 2,382 Lumens, 16 Watt, 4' Length, LED Clear Lensed Striplight (Cooper Industries 4SNLED-LD5-22SL-LC-UNV-L840-CD1-U).....	183.18	35.66
	For >50 To 100, Deduct	-5.92	
	For >100 To 250, Deduct	-10.50	
	For >250 To 500, Deduct	-18.32	
	For >500, Deduct	-26.14	
26 51 19 00-0019	EA 2,382 Lumens, 16 Watt, 4' Length, Clear Lens, LED Striplight (Cooper Industries Metalux Series 4SNLED-LD5-22SL-LC-UNV-830-CD1-U).....	193.37	35.66
	For >50 To 100, Deduct	-6.17	
	For >100 To 250, Deduct	-11.01	
	For >250 To 500, Deduct	-19.34	
	For >500, Deduct	-27.67	



Electrical		26
Lighting		26 50
Interior Lighting		26 51

MINOR		TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION		UNIT COST		UNIT COST
26 51 19 00-0020	Lay-In/Troffer LED Fixtures (26 51 19 00-0001)			
26 51 19 00-0021	Prismatic Lensed, Lay-In/Troffer LED Fixtures (26 51 19 00-0020)			
26 51 19 00-0022	Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lithonia) (26 51 19 00-0021)			
26 51 19 00-0023	EA 1' x 4', 4,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia TL4)	393.32		35.37
	For Drywall Or Plaster Ceilings With Frame Kit, Add	33.06		
	For >50 To 100, Deduct	-11.17		
	For >100 To 250, Deduct	-21.01		
	For >250 To 500, Deduct	-39.33		
	For >500, Deduct	-57.66		
26 51 19 00-0024	EA 2' x 2', 3,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL2)	294.82		38.97
	For Drywall Or Plaster Ceilings, Add	26.31		
	For >50 To 100, Deduct	-8.83		
	For >100 To 250, Deduct	-16.20		
	For >250 To 500, Deduct	-29.48		
	For >500, Deduct	-42.76		
26 51 19 00-0025	EA 2' x 4', 4,600 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL4)	400.63		45.41
	For Drywall Or Plaster Ceilings With Frame Kit, Add	37.08		
	For >50 To 100, Deduct	-11.72		
	For >100 To 250, Deduct	-21.74		
	For >250 To 500, Deduct	-40.06		
	For >500, Deduct	-58.39		
26 51 19 00-0026	Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lunera) (26 51 19 00-0021)			
26 51 19 00-0027	EA 1' x 4', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 14G4)	560.45		35.37
	For >50 To 100, Deduct	-15.35		
	For >100 To 250, Deduct	-29.36		
	For >250 To 500, Deduct	-56.05		
	For >500, Deduct	-82.73		
26 51 19 00-0028	EA 2' x 2', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 22G5)	399.38		38.97
	For >50 To 100, Deduct	-11.45		
	For >100 To 250, Deduct	-21.43		
	For >250 To 500, Deduct	-39.94		
	For >500, Deduct	-58.45		
26 51 19 00-0029	EA 2' x 4', 4,175 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 24G4)	518.31		45.41
	For >50 To 100, Deduct	-14.66		
	For >100 To 250, Deduct	-27.62		
	For >250 To 500, Deduct	-51.83		
	For >500, Deduct	-76.04		
26 51 19 00-0030	Prismatic Lensed, Lay-In/Troffer LED Fixtures (PlanLED) (26 51 19 00-0021)			
26 51 19 00-0031	EA 2,591 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)	268.26		38.97
	For >50 To 100, Deduct	-8.17		
	For >100 To 250, Deduct	-14.87		
	For >250 To 500, Deduct	-26.83		
	For >500, Deduct	-38.78		
26 51 19 00-0032	EA 3,883 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)	295.33		38.97
	For >50 To 100, Deduct	-8.84		
	For >100 To 250, Deduct	-16.23		
	For >250 To 500, Deduct	-29.53		
	For >500, Deduct	-42.84		
26 51 19 00-0033	EA 3,700 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-40)	253.37		38.97
	For >50 To 100, Deduct	-7.80		
	For >100 To 250, Deduct	-14.13		
	For >250 To 500, Deduct	-25.34		
	For >500, Deduct	-36.54		
26 51 19 00-0034	EA 4,200 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-45)	253.37		38.97
	For >50 To 100, Deduct	-7.80		
	For >100 To 250, Deduct	-14.13		
	For >250 To 500, Deduct	-25.34		
	For >500, Deduct	-36.54		
26 51 19 00-0035	EA 4,600 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-50)	270.97		38.97
	For >50 To 100, Deduct	-8.24		
	For >100 To 250, Deduct	-15.01		
	For >250 To 500, Deduct	-27.10		
	For >500, Deduct	-39.18		
26 51 19 00-0036	Volumetric, Lay-In/Troffer LED Fixtures (26 51 19 00-0020)			
26 51 19 00-0037	Volumetric, Lay-In/Troffer LED Fixtures (Lithonia) (26 51 19 00-0036)			
26 51 19 00-0038	EA 1' x 4', 2,500 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4)	271.93		35.37
	For Drywall Or Plaster Ceilings, Add	24.12		
	For >50 To 100, Deduct	-8.14		
	For >100 To 250, Deduct	-14.94		
	For >250 To 500, Deduct	-27.19		
	For >500, Deduct	-39.45		

26 Electrical
26 50 Lighting
26 51 Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0039	EA	2' x 2', 2,400 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2).....	243.63	38.97	
		For Drywall Or Plaster Ceilings With Frame Kit, Add	26.80		
		For >50 To 100, Deduct	-7.55		
		For >100 To 250, Deduct	-13.64		
		For >250 To 500, Deduct	-24.36		
		For >500, Deduct	-35.08		
26 51 19 00-0040	EA	2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2).....	304.61	38.97	
		For Drywall Or Plaster Ceilings With Frame Kit, Add	29.85		
		For >50 To 100, Deduct	-9.08		
		For >100 To 250, Deduct	-16.69		
		For >250 To 500, Deduct	-30.46		
		For >500, Deduct	-44.23		
26 51 19 00-0041	EA	2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2).....	247.86	38.97	
		For >50 To 100, Deduct	-7.66		
		For >100 To 250, Deduct	-13.85		
		For >250 To 500, Deduct	-24.79		
		For >500, Deduct	-35.72		
26 51 19 00-0042	EA	2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4).....	272.08	45.41	
		For Drywall Or Plaster Ceilings With Frame Kit, Add	30.66		
		For >50 To 100, Deduct	-8.51		
		For >100 To 250, Deduct	-15.31		
		For >250 To 500, Deduct	-27.21		
		For >500, Deduct	-39.11		
26 51 19 00-0043	EA	2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4).....	286.55	45.41	
		For Drywall Or Plaster Ceilings With Frame Kit, Add	31.38		
		For >50 To 100, Deduct	-8.87		
		For >100 To 250, Deduct	-16.03		
		For >250 To 500, Deduct	-28.66		
		For >500, Deduct	-41.28		
26 51 19 00-0044	EA	2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2VTL4).....	346.36	45.41	
		For Drywall Or Plaster Ceilings With Frame Kit, Add	34.37		
		For >50 To 100, Deduct	-10.36		
		For >100 To 250, Deduct	-19.02		
		For >250 To 500, Deduct	-34.64		
		For >500, Deduct	-50.25		
26 51 19 00-0045		Architectural, Lay-In/Troffer LED Fixtures (26 51 19 00-0020)			
26 51 19 00-0046		Architectural, Lay-In/Troffer LED Fixtures (Lithonia) (26 51 19 00-0045)			
		Note: Includes 4,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.			
26 51 19 00-0047	EA	2,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4).....	334.13	45.41	
		For Drywall Or Plaster Ceilings With Frame Kit, Add	33.76		
		For >50 To 100, Deduct	-10.06		
		For >100 To 250, Deduct	-18.41		
		For >250 To 500, Deduct	-33.41		
		For >500, Deduct	-48.41		
26 51 19 00-0048	EA	4,300 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4).....	392.31	45.41	
		For Drywall Or Plaster Ceilings With Frame Kit, Add	36.67		
		For >50 To 100, Deduct	-11.51		
		For >100 To 250, Deduct	-21.32		
		For >250 To 500, Deduct	-39.23		
		For >500, Deduct	-57.14		
26 51 19 00-0049	EA	6,400 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4).....	444.66	45.41	
		For Drywall Or Plaster Ceilings With Frame Kit, Add	39.29		
		For >50 To 100, Deduct	-12.82		
		For >100 To 250, Deduct	-23.94		
		For >250 To 500, Deduct	-44.47		
		For >500, Deduct	-64.99		
26 51 19 00-0050		Architectural, Lay-In/Troffer LED Fixtures (CREE® CR Series) (26 51 19 00-0045)			
		Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.			
26 51 19 00-0051	EA	1' x 4', 2,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™).....	347.51	45.41	
		For Expanded Size Junction Box For Through Wiring, Add	3.58		
		For Drywall Or Plaster Ceilings, Add	116.82		
		For Surface Mount, Add	185.07		
		For >50 To 100, Deduct	-10.39		
		For >100 To 250, Deduct	-19.08		
		For >250 To 500, Deduct	-34.75		
		For >500, Deduct	-50.42		
26 51 19 00-0052	EA	1' x 4', 3,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™).....	374.38	45.41	
		For Expanded Size Junction Box For Through Wiring, Add	3.58		
		For Drywall Or Plaster Ceilings, Add	116.82		
		For Surface Mount, Add	185.07		
		For >50 To 100, Deduct	-11.06		
		For >100 To 250, Deduct	-20.42		
		For >250 To 500, Deduct	-37.44		
		For >500, Deduct	-54.45		



Electrical			26
Lighting			26 50
Interior Lighting			26 51

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0053	EA	1' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	374.38	45.41	
		For Expanded Size Junction Box For Through Wiring, Add	3.58		
		For Drywall Or Plaster Ceilings, Add	116.82		
		For Surface Mount, Add	185.07		
		For >50 To 100, Deduct	-11.06		
		For >100 To 250, Deduct	-20.42		
		For >250 To 500, Deduct	-37.44		
		For >500, Deduct	-54.45		
26 51 19 00-0054	EA	1' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	414.03	45.41	
		For Expanded Size Junction Box For Through Wiring, Add	3.58		
		For Drywall Or Plaster Ceilings, Add	116.82		
		For Surface Mount, Add	185.07		
		For >50 To 100, Deduct	-12.06		
		For >100 To 250, Deduct	-22.41		
		For >250 To 500, Deduct	-41.40		
		For >500, Deduct	-60.40		
26 51 19 00-0055	EA	2' x 2', 2,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™)	322.56	38.97	
		Note: CCT 30K to 50K			
		For Expanded Size Junction Box For Through Wiring, Add	3.58		
		For Drywall Or Plaster Ceilings, Add	101.96		
		For Surface Mount, Add	174.16		
		For >50 To 100, Deduct	-9.53		
		For >100 To 250, Deduct	-17.59		
		For >250 To 500, Deduct	-32.26		
		For >500, Deduct	-46.92		
26 51 19 00-0056	EA	2' x 2', 3,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™)	304.50	38.97	
		Note: CCT 30K to 50K			
		For Expanded Size Junction Box For Through Wiring, Add	3.58		
		For Drywall Or Plaster Ceilings, Add	101.96		
		For Surface Mount, Add	174.16		
		For >50 To 100, Deduct	-9.07		
		For >100 To 250, Deduct	-16.69		
		For >250 To 500, Deduct	-30.45		
		For >500, Deduct	-44.21		
26 51 19 00-0057	EA	2' x 4', 2,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™)	362.41	45.41	
		Note: CCT 30K to 50K			
		For Expanded Size Junction Box For Through Wiring, Add	3.58		
		For Drywall Or Plaster Ceilings, Add	119.38		
		For Surface Mount, Add	201.70		
		For >50 To 100, Deduct	-10.77		
		For >100 To 250, Deduct	-19.83		
		For >250 To 500, Deduct	-36.24		
		For >500, Deduct	-52.66		
26 51 19 00-0058	EA	2' x 4', 3,100 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™)	374.38	45.41	
		Note: CCT 30K to 50K			
		For Expanded Size Junction Box For Through Wiring, Add	3.58		
		For Drywall Or Plaster Ceilings, Add	119.38		
		For Surface Mount, Add	201.70		
		For >50 To 100, Deduct	-11.06		
		For >100 To 250, Deduct	-20.42		
		For >250 To 500, Deduct	-37.44		
		For >500, Deduct	-54.45		
26 51 19 00-0059	EA	2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™)	374.38	45.41	
		Note: CCT 30K to 50K			
		For Expanded Size Junction Box For Through Wiring, Add	3.58		
		For Drywall Or Plaster Ceilings, Add	119.38		
		For Surface Mount, Add	201.70		
		For >50 To 100, Deduct	-11.06		
		For >100 To 250, Deduct	-20.42		
		For >250 To 500, Deduct	-37.44		
		For >500, Deduct	-54.45		
26 51 19 00-0060	EA	2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24 LHE™)	475.44	45.41	
		Note: CCT 30K to 50K			
		For Expanded Size Junction Box For Through Wiring, Add	3.58		
		For Drywall Or Plaster Ceilings, Add	119.38		
		For Surface Mount, Add	201.70		
		For >50 To 100, Deduct	-13.59		
		For >100 To 250, Deduct	-25.48		
		For >250 To 500, Deduct	-47.54		
		For >500, Deduct	-69.61		
26 51 19 00-0061	EA	2' x 4', 5,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™)	414.03	45.41	
		Note: CCT 30K to 50K			
		For Expanded Size Junction Box For Through Wiring, Add	3.58		
		For Drywall Or Plaster Ceilings, Add	119.38		
		For Surface Mount, Add	201.70		
		For >50 To 100, Deduct	-12.06		
		For >100 To 250, Deduct	-22.41		
		For >250 To 500, Deduct	-41.40		
		For >500, Deduct	-60.40		

26 51 19 00-0062

Architectural, Lay-In/Troffer LED Fixtures (Metalux®) (26 51 19 00-0045)

Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.

26 Electrical
26 50 Lighting
26 51 Interior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0063 EA 2' x 2', 2,500 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC).....	244.85	38.97
For >50 To 100, Deduct	-7.58	
For >100 To 250, Deduct	-13.70	
For >250 To 500, Deduct	-24.49	
For >500, Deduct	-35.27	
26 51 19 00-0064 EA 2' x 4', 4,700 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC).....	324.93	45.41
For >50 To 100, Deduct	-9.83	
For >100 To 250, Deduct	-17.95	
For >250 To 500, Deduct	-32.49	
For >500, Deduct	-47.03	
26 51 19 00-0065 Architectural, Lay-In/Troffer LED Fixtures (Finelite) (26 51 19 00-0045)		
Note: Includes 3,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0066 EA 2' x 2', 4,301 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2).....	268.84	38.97
For >50 To 100, Deduct	-8.18	
For >100 To 250, Deduct	-14.90	
For >250 To 500, Deduct	-26.88	
For >500, Deduct	-38.86	
26 51 19 00-0067 EA 2' x 4', 4,671 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2).....	361.74	45.79
For >50 To 100, Deduct	-10.75	
For >100 To 250, Deduct	-19.79	
For >250 To 500, Deduct	-36.17	
For >500, Deduct	-52.56	
26 51 19 00-0068 Shadow Box Style, Lay-In/Troffer LED Fixtures (26 51 19 00-0020)		
26 51 19 00-0069 Shadow Box Style, Lay-In/Troffer LED Fixtures (Lithonia SBSL) (26 51 19 00-0068)		
26 51 19 00-0070 EA 2' x 2', 3,300 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL2).....	417.83	38.97
For Drywall Or Plaster Ceilings, Add	26.31	
For >50 To 100, Deduct	-11.91	
For >100 To 250, Deduct	-22.35	
For >250 To 500, Deduct	-41.78	
For >500, Deduct	-61.21	
26 51 19 00-0071 EA 2' x 4', 4,600 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL4).....	567.17	45.41
For Drywall Or Plaster Ceilings With Frame Kit, Add	45.41	
For >50 To 100, Deduct	-15.88	
For >100 To 250, Deduct	-30.06	
For >250 To 500, Deduct	-56.72	
For >500, Deduct	-83.37	
26 51 19 00-0072 Panel Type, Lay-In/Troffer LED Fixtures (26 51 19 00-0020)		
26 51 19 00-0073 Panel Type, Lay-In/Troffer LED Fixtures (PlanLED Galaxy) (26 51 19 00-0072)		
26 51 19 00-0074 EA 1' x 4', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL140-34).....	292.36	45.41
For >50 To 100, Deduct	-9.01	
For >100 To 250, Deduct	-16.32	
For >250 To 500, Deduct	-29.24	
For >500, Deduct	-42.15	
26 51 19 00-0075 EA 2' x 2', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL220-34).....	303.10	45.41
For >50 To 100, Deduct	-9.28	
For >100 To 250, Deduct	-16.86	
For >250 To 500, Deduct	-30.31	
For >500, Deduct	-43.76	
26 51 19 00-0076 EA 2' x 4', 4,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-40).....	374.23	45.41
For >50 To 100, Deduct	-11.06	
For >100 To 250, Deduct	-20.42	
For >250 To 500, Deduct	-37.42	
For >500, Deduct	-54.43	
26 51 19 00-0077 EA 2' x 4', 5,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-52).....	374.23	45.41
For >50 To 100, Deduct	-11.06	
For >100 To 250, Deduct	-20.42	
For >250 To 500, Deduct	-37.42	
For >500, Deduct	-54.43	
26 51 19 00-0078 Panel Type, Lay-In/Troffer LED Fixtures (Sylvania) (26 51 19 00-0072)		
26 51 19 00-0079 EA 1' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/14G/WH).....	162.65	45.41
For Surface Mounting Kit (Sylvania SMK1T1A/14A/WH), Add	35.28	
For >50 To 100, Deduct	-5.77	
For >100 To 250, Deduct	-9.84	
For >250 To 500, Deduct	-16.27	
For >500, Deduct	-22.69	
26 51 19 00-0080 EA 2' x 2', 3,500 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/22G/WH).....	167.25	45.41
For >50 To 100, Deduct	-5.89	
For >100 To 250, Deduct	-10.07	
For >250 To 500, Deduct	-16.73	
For >500, Deduct	-23.38	



Electrical			26
Lighting			26 50
Interior Lighting			26 51

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
26 51 19 00-0081	EA 2' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/24G/WH).....	169.35		45.41
	For Surface Mounting Kit (Sylvania SMK1T1A/24A/WH)	44.10		
	For >50 To 100, Deduct	-5.94		
	For >100 To 250, Deduct	-10.17		
	For >250 To 500, Deduct	-16.94		
	For >500, Deduct	-23.70		
26 51 19 00-0082	EA 2' x 4', 3,300 Lumens, 32 Watt, 3500K CCT, LED Edge Lite Panel With Kit (Sylvania PANELF1A/032UNVD835/24G/WH_SMKIT1A/24A/WH).....	368.09		45.41
	For >50 To 100, Deduct	-10.91		
	For >100 To 250, Deduct	-20.11		
	For >250 To 500, Deduct	-36.81		
	For >500, Deduct	-53.51		
26 51 19 00-0083	Surface Mount LED Fixtures (26 51 19 00-0001)			
26 51 19 00-0084	Surface Mount, Volumetric LED Fixtures (Lithonia STL) (26 51 19 00-0083)			
26 51 19 00-0085	EA 2' Length, 2,200 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL2).....	292.32		29.23
	For >50 To 100, Deduct	-8.40		
	For >100 To 250, Deduct	-15.71		
	For >250 To 500, Deduct	-29.23		
	For >500, Deduct	-42.75		
26 51 19 00-0086	EA 4' Length, 3,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4).....	311.84		35.66
	For >50 To 100, Deduct	-9.14		
	For >100 To 250, Deduct	-16.93		
	For >250 To 500, Deduct	-31.18		
	For >500, Deduct	-45.44		
26 51 19 00-0087	EA 4' Length, 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4).....	295.94		35.66
	For >50 To 100, Deduct	-8.74		
	For >100 To 250, Deduct	-16.14		
	For >250 To 500, Deduct	-29.59		
	For >500, Deduct	-43.05		
26 51 19 00-0088	Surface Mount, Wraparound LED Fixtures (Lithonia LBL) (26 51 19 00-0083)			
26 51 19 00-0089	EA 2' Length, 2,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL2).....	185.83		29.23
	For >50 To 100, Deduct	-5.74		
	For >100 To 250, Deduct	-10.39		
	For >250 To 500, Deduct	-18.58		
	For >500, Deduct	-26.78		
26 51 19 00-0090	EA 4' Length, 4,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL4).....	242.98		35.66
	For >50 To 100, Deduct	-7.41		
	For >100 To 250, Deduct	-13.49		
	For >250 To 500, Deduct	-24.30		
	For >500, Deduct	-35.11		
26 51 19 00-0091	Surface Mount, Shadow Box Style LED Fixtures (26 51 19 00-0083)			
26 51 19 00-0092	Surface Mount, Shadow Box Style LED Fixtures (Lithonia SBSLX) (26 51 19 00-0091)			
26 51 19 00-0093	EA 2' x 2', 3,300 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX2).....	531.91		38.97
	For >50 To 100, Deduct	-14.76		
	For >100 To 250, Deduct	-28.06		
	For >250 To 500, Deduct	-53.19		
	For >500, Deduct	-78.33		
26 51 19 00-0094	EA 2' x 4', 4,600 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX4).....	681.26		45.41
	For >50 To 100, Deduct	-18.74		
	For >100 To 250, Deduct	-35.77		
	For >250 To 500, Deduct	-68.13		
	For >500, Deduct	-100.48		
26 51 19 00-0095	Surface Mount, Low Profile Fixtures (26 51 19 00-0083)			
26 51 19 00-0096	EA 6" Diameter, 993 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8538-90).....	82.59		26.72
	For >50 To 100, Deduct	-3.40		
	For >100 To 250, Deduct	-5.47		
	For >250 To 500, Deduct	-8.26		
	For >500, Deduct	-11.05		
26 51 19 00-0097	EA 6" Diameter, 1,215 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8569).....	69.93		26.72
	For >50 To 100, Deduct	-3.08		
	For >100 To 250, Deduct	-4.83		
	For >250 To 500, Deduct	-6.99		
	For >500, Deduct	-9.15		
26 51 19 00-0098	EA 13" Diameter, 1,400 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 4329).....	109.16		26.72
	For >50 To 100, Deduct	-4.06		
	For >100 To 250, Deduct	-6.79		
	For >250 To 500, Deduct	-10.92		
	For >500, Deduct	-15.04		
26 51 19 00-0099	EA 15" Diameter, 2,100 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting 4330).....	129.41		26.72
	For >50 To 100, Deduct	-4.57		
	For >100 To 250, Deduct	-7.81		
	For >250 To 500, Deduct	-12.94		
	For >500, Deduct	-18.08		

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0100	Recessed LED Downlights	(26 51 19 00-0001)		
26 51 19 00-0101	Recessed LED Downlights	(26 51 19 00-0100)		
26 51 19 00-0102	Recessed LED Downlights (Lithonia)	(26 51 19 00-0101)		
	Note: Includes housing and trim.			
26 51 19 00-0103	EA 8" Diameter, 1,200 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED)		333.99	46.93
	For Dimming Driver And Sensor Switch nLight Dimming Relay, Add		71.01	
	For >50 To 100, Deduct		-10.11	
	For >100 To 250, Deduct		-18.46	
	For >250 To 500, Deduct		-33.40	
	For >500, Deduct		-48.34	
26 51 19 00-0104	EA 8" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED)		363.08	46.93
	For Dimming Driver And Sensor Switch nLight Dimming Relay, Add		71.01	
	For >50 To 100, Deduct		-10.84	
	For >100 To 250, Deduct		-19.91	
	For >250 To 500, Deduct		-36.31	
	For >500, Deduct		-52.70	
26 51 19 00-0105	Recessed LED Downlights (Portfolio®)	(26 51 19 00-0101)		
	Note: Includes housing and trim.			
26 51 19 00-0106	EA 4" Diameter, 1,300 Lumens, Recessed LED Downlight With Open Trim (Portfolio® LD413)		210.27	46.93
	For >50 To 100, Deduct		-7.02	
	For >100 To 250, Deduct		-12.27	
	For >250 To 500, Deduct		-21.03	
	For >500, Deduct		-29.78	
26 51 19 00-0107	Recessed LED Downlights (Gotham® EVO®)	(26 51 19 00-0101)		
	Note: Includes housing and trim.			
26 51 19 00-0108	EA 6" Diameter, 1,800 Lumens, Recessed LED Downlight With Open Trim (Gotham® EVO® ALED)		261.33	46.93
	For >50 To 100, Deduct		-8.29	
	For >100 To 250, Deduct		-14.83	
	For >250 To 500, Deduct		-26.13	
	For >500, Deduct		-37.44	
26 51 19 00-0109	EA 6" Diameter, 1,800 Lumens, Recessed LED Shower Downlight With Non-Conductive Regressed Lens (Gotham® EVO® ALED)		269.75	46.93
	For >50 To 100, Deduct		-8.50	
	For >100 To 250, Deduct		-15.25	
	For >250 To 500, Deduct		-26.98	
	For >500, Deduct		-38.70	
26 51 19 00-0110	EA 6" Diameter, 1,800 Lumens, Recessed LED Wallwash Downlight With Specular Reflector Trim (Gotham® EVO® DLWLED)		304.28	46.93
	For >50 To 100, Deduct		-9.37	
	For >100 To 250, Deduct		-16.97	
	For >250 To 500, Deduct		-30.43	
	For >500, Deduct		-43.88	
26 51 19 00-0111	EA 6" Diameter, 1,800 Lumens, Decorative Recessed LED Downlight With Glass Drop Luminous Ring (Gotham® EVO® ALED)		307.65	46.93
	For >50 To 100, Deduct		-9.45	
	For >100 To 250, Deduct		-17.14	
	For >250 To 500, Deduct		-30.77	
	For >500, Deduct		-44.39	
26 51 19 00-0112	EA 6" Diameter, 1,800 Lumens, Vandal Resistant, Recessed LED Downlight With Tempered Prismatic Lens (Gotham® EVO® VRALED)		337.12	46.93
	For >50 To 100, Deduct		-10.19	
	For >100 To 250, Deduct		-18.62	
	For >250 To 500, Deduct		-33.71	
	For >500, Deduct		-48.81	
26 51 19 00-0113	Recessed LED Downlights (Lightolier)	(26 51 19 00-0101)		
	Note: Includes housing and trim.			
26 51 19 00-0114	EA 4" Diameter, 500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L05DL)		404.65	46.93
	For >50 To 100, Deduct		-11.88	
	For >100 To 250, Deduct		-21.99	
	For >250 To 500, Deduct		-40.47	
	For >500, Deduct		-58.94	
26 51 19 00-0115	EA 4" Diameter, 1,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L10DL)		471.67	46.93
	For >50 To 100, Deduct		-13.55	
	For >100 To 250, Deduct		-25.34	
	For >250 To 500, Deduct		-47.17	
	For >500, Deduct		-68.99	
26 51 19 00-0116	EA 6" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL)		505.10	46.93
	For >50 To 100, Deduct		-14.39	
	For >100 To 250, Deduct		-27.02	
	For >250 To 500, Deduct		-50.51	
	For >500, Deduct		-74.01	
26 51 19 00-0117	EA 6" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL)		505.10	46.93
	For >50 To 100, Deduct		-14.39	
	For >100 To 250, Deduct		-27.02	
	For >250 To 500, Deduct		-50.51	
	For >500, Deduct		-74.01	



Electrical			26
Lighting			26 50
Interior Lighting			26 51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0118	EA	7" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL)	.....	521.89	46.93
		For >50 To 100, Deduct		-14.81	
		For >100 To 250, Deduct		-27.85	
		For >250 To 500, Deduct		-52.19	
		For >500, Deduct		-76.52	
26 51 19 00-0119	EA	7" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL)	.....	538.70	46.93
		For >50 To 100, Deduct		-15.23	
		For >100 To 250, Deduct		-28.70	
		For >250 To 500, Deduct		-53.87	
		For >500, Deduct		-79.05	
26 51 19 00-0120 Recessed LED Downlights (Cooper) (26 51 19 00-0101)					
26 51 19 00-0121	EA	600 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5606827)	.....	145.61	46.93
		For >50 To 100, Deduct		-5.40	
		For >100 To 250, Deduct		-9.04	
		For >250 To 500, Deduct		-14.56	
		For >500, Deduct		-20.08	
26 51 19 00-0122	EA	600 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5606830)	.....	145.61	46.93
		For >50 To 100, Deduct		-5.40	
		For >100 To 250, Deduct		-9.04	
		For >250 To 500, Deduct		-14.56	
		For >500, Deduct		-20.08	
26 51 19 00-0123	EA	600 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5606835)	.....	145.61	46.93
		For >50 To 100, Deduct		-5.40	
		For >100 To 250, Deduct		-9.04	
		For >250 To 500, Deduct		-14.56	
		For >500, Deduct		-20.08	
26 51 19 00-0124	EA	600 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5606840)	.....	145.61	46.93
		For >50 To 100, Deduct		-5.40	
		For >100 To 250, Deduct		-9.04	
		For >250 To 500, Deduct		-14.56	
		For >500, Deduct		-20.08	
26 51 19 00-0125	EA	900 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5609827)	.....	148.41	46.93
		For >50 To 100, Deduct		-5.47	
		For >100 To 250, Deduct		-9.18	
		For >250 To 500, Deduct		-14.84	
		For >500, Deduct		-20.50	
26 51 19 00-0126	EA	900 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5609830)	.....	148.41	46.93
		For >50 To 100, Deduct		-5.47	
		For >100 To 250, Deduct		-9.18	
		For >250 To 500, Deduct		-14.84	
		For >500, Deduct		-20.50	
26 51 19 00-0127	EA	900 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5609835)	.....	148.41	46.93
		For >50 To 100, Deduct		-5.47	
		For >100 To 250, Deduct		-9.18	
		For >250 To 500, Deduct		-14.84	
		For >500, Deduct		-20.50	
26 51 19 00-0128	EA	900 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5609840)	.....	148.41	46.93
		For >50 To 100, Deduct		-5.47	
		For >100 To 250, Deduct		-9.18	
		For >250 To 500, Deduct		-14.84	
		For >500, Deduct		-20.50	
26 51 19 00-0129	EA	1,200 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5612827)	.....	186.39	46.93
		For >50 To 100, Deduct		-6.42	
		For >100 To 250, Deduct		-11.08	
		For >250 To 500, Deduct		-18.64	
		For >500, Deduct		-26.20	
26 51 19 00-0130	EA	1,200 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5612830)	.....	184.46	46.93
		For >50 To 100, Deduct		-6.37	
		For >100 To 250, Deduct		-10.98	
		For >250 To 500, Deduct		-18.45	
		For >500, Deduct		-25.91	
26 51 19 00-0131	EA	1,200 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5612835)	.....	184.46	46.93
		For >50 To 100, Deduct		-6.37	
		For >100 To 250, Deduct		-10.98	
		For >250 To 500, Deduct		-18.45	
		For >500, Deduct		-25.91	
26 51 19 00-0132	EA	1,200 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5612840)	.....	184.46	46.93
		For >50 To 100, Deduct		-6.37	
		For >100 To 250, Deduct		-10.98	
		For >250 To 500, Deduct		-18.45	
		For >500, Deduct		-25.91	
26 51 19 00-0133	EA	5" LED Trim, Polymer "Dead-Front", Shallow White Baffle And Flange (Cooper Halo 591WB)	.....	89.98	14.94
		For >50 To 100, Deduct		-2.81	
		For >100 To 250, Deduct		-5.06	
		For >250 To 500, Deduct		-9.00	
		For >500, Deduct		-12.94	
26 51 19 00-0134	EA	5" LED Trim, Specular Reflector And White Flange (Cooper Halo 592SC)	.....	55.22	14.94
		For >50 To 100, Deduct		-1.94	
		For >100 To 250, Deduct		-3.32	
		For >250 To 500, Deduct		-5.52	
		For >500, Deduct		-7.72	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0135	EA	5" LED Trim, Haze Reflector And White Flange (Cooper Halo 592H).....	70.18	14.94
		For >50 To 100, Deduct	-2.31	
		For >100 To 250, Deduct	-4.07	
		For >250 To 500, Deduct	-7.02	
		For >500, Deduct	-9.97	
26 51 19 00-0136	EA	5" LED Trim, White Reflector And Flange (Cooper Halo 592W)	58.23	14.94
		For >50 To 100, Deduct	-2.02	
		For >100 To 250, Deduct	-3.47	
		For >250 To 500, Deduct	-5.82	
		For >500, Deduct	-8.17	
26 51 19 00-0137	EA	5" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 593WB).....	46.00	14.94
		For >50 To 100, Deduct	-1.71	
		For >100 To 250, Deduct	-2.86	
		For >250 To 500, Deduct	-4.60	
		For >500, Deduct	-6.34	
26 51 19 00-0138	EA	5" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 593BB)	57.69	14.94
		For >50 To 100, Deduct	-2.00	
		For >100 To 250, Deduct	-3.44	
		For >250 To 500, Deduct	-5.77	
		For >500, Deduct	-8.09	
26 51 19 00-0139	EA	5" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 593SNB)	64.81	14.94
		For >50 To 100, Deduct	-2.18	
		For >100 To 250, Deduct	-3.80	
		For >250 To 500, Deduct	-6.48	
		For >500, Deduct	-9.16	
26 51 19 00-0140	EA	5" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 593TBZB)	71.15	14.94
		For >50 To 100, Deduct	-2.34	
		For >100 To 250, Deduct	-4.12	
		For >250 To 500, Deduct	-7.12	
		For >500, Deduct	-10.11	
26 51 19 00-0141	EA	5" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 594WB).....	83.54	14.94
		For >50 To 100, Deduct	-2.65	
		For >100 To 250, Deduct	-4.74	
		For >250 To 500, Deduct	-8.35	
		For >500, Deduct	-11.97	
26 51 19 00-0142	EA	5" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 594SNB).....	83.93	14.94
		For >50 To 100, Deduct	-2.66	
		For >100 To 250, Deduct	-4.76	
		For >250 To 500, Deduct	-8.39	
		For >500, Deduct	-12.03	
26 51 19 00-0143	EA	5" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 594TBZB).....	82.16	14.94
		For >50 To 100, Deduct	-2.61	
		For >100 To 250, Deduct	-4.67	
		For >250 To 500, Deduct	-8.22	
		For >500, Deduct	-11.76	
26 51 19 00-0144	EA	5" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 595WW).....	102.48	14.94
		For >50 To 100, Deduct	-3.12	
		For >100 To 250, Deduct	-5.68	
		For >250 To 500, Deduct	-10.25	
		For >500, Deduct	-14.81	
26 51 19 00-0145	EA	5" LED Trim, White Shallow Baffle And Flange (Cooper Halo 596WB).....	46.44	14.94
		For >50 To 100, Deduct	-1.72	
		For >100 To 250, Deduct	-2.88	
		For >250 To 500, Deduct	-4.64	
		For >500, Deduct	-6.41	
26 51 19 00-0146	EA	6" LED Trim, Polymer "Dead-Front", White Shallow Baffle And Flange (Cooper Halo 691WB)	87.00	14.94
		For >50 To 100, Deduct	-2.74	
		For >100 To 250, Deduct	-4.91	
		For >250 To 500, Deduct	-8.70	
		For >500, Deduct	-12.49	
26 51 19 00-0147	EA	6" LED Trim, Specular Reflector And White Flange (Cooper Halo 692SC).....	73.33	14.94
		For >50 To 100, Deduct	-2.39	
		For >100 To 250, Deduct	-4.23	
		For >250 To 500, Deduct	-7.33	
		For >500, Deduct	-10.44	
26 51 19 00-0148	EA	6" LED Trim, Haze Reflector And White Flange (Cooper Halo 692H).....	68.53	14.94
		For >50 To 100, Deduct	-2.27	
		For >100 To 250, Deduct	-3.99	
		For >250 To 500, Deduct	-6.85	
		For >500, Deduct	-9.72	
26 51 19 00-0149	EA	6" LED Trim, White Reflector And Flange (Cooper Halo 692W)	60.62	14.94
		For >50 To 100, Deduct	-2.08	
		For >100 To 250, Deduct	-3.59	
		For >250 To 500, Deduct	-6.06	
		For >500, Deduct	-8.53	
26 51 19 00-0150	EA	6" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 693WB).....	61.19	14.94
		For >50 To 100, Deduct	-2.09	
		For >100 To 250, Deduct	-3.62	
		For >250 To 500, Deduct	-6.12	
		For >500, Deduct	-8.62	
26 51 19 00-0151	EA	6" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 693BB).....	66.26	14.94
		For >50 To 100, Deduct	-2.22	
		For >100 To 250, Deduct	-3.87	
		For >250 To 500, Deduct	-6.63	
		For >500, Deduct	-9.38	



Electrical			26
Lighting			26 50
Interior Lighting			26 51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0152	EA	6" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 693SNB)	60.30	14.94
			For >50 To 100, Deduct	-2.07	
			For >100 To 250, Deduct	-3.58	
			For >250 To 500, Deduct	-6.03	
			For >500, Deduct	-8.49	
26 51	19 00-0153	EA	6" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 693TBZB)	76.50	14.94
			For >50 To 100, Deduct	-2.47	
			For >100 To 250, Deduct	-4.39	
			For >250 To 500, Deduct	-7.65	
			For >500, Deduct	-10.92	
26 51	19 00-0154	EA	6" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 694WB)	83.32	14.94
			For >50 To 100, Deduct	-2.64	
			For >100 To 250, Deduct	-4.73	
			For >250 To 500, Deduct	-8.33	
			For >500, Deduct	-11.94	
26 51	19 00-0155	EA	6" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 694SNB)	106.03	14.94
			For >50 To 100, Deduct	-3.21	
			For >100 To 250, Deduct	-5.86	
			For >250 To 500, Deduct	-10.60	
			For >500, Deduct	-15.34	
26 51	19 00-0156	EA	6" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 694TBZB)	103.18	14.94
			For >50 To 100, Deduct	-3.14	
			For >100 To 250, Deduct	-5.72	
			For >250 To 500, Deduct	-10.32	
			For >500, Deduct	-14.92	
26 51	19 00-0157	EA	6" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 695VWW)	104.44	14.94
			For >50 To 100, Deduct	-3.17	
			For >100 To 250, Deduct	-5.78	
			For >250 To 500, Deduct	-10.44	
			For >500, Deduct	-15.11	
26 51	19 00-0158	EA	6" LED Trim, White Shallow Baffle And Flange (Cooper Halo 696WB)	61.87	14.94
			For >50 To 100, Deduct	-2.11	
			For >100 To 250, Deduct	-3.65	
			For >250 To 500, Deduct	-6.19	
			For >500, Deduct	-8.72	
26 51	19 00-0159	EA	6" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H750ICAT)	54.11	32.00
			For >50 To 100, Deduct	-2.55	
			For >100 To 250, Deduct	-3.91	
			For >250 To 500, Deduct	-5.41	
			For >500, Deduct	-6.92	
26 51	19 00-0160	EA	6" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H750RICAT)	59.66	32.00
			For >50 To 100, Deduct	-2.69	
			For >100 To 250, Deduct	-4.18	
			For >250 To 500, Deduct	-5.97	
			For >500, Deduct	-7.75	
26 51	19 00-0161	EA	6" LED, Non-IC, Air-Tite, New Construction Housing (Cooper Halo H750T)	57.44	32.00
			For >50 To 100, Deduct	-2.64	
			For >100 To 250, Deduct	-4.07	
			For >250 To 500, Deduct	-5.74	
			For >500, Deduct	-7.42	
26 51	19 00-0162	EA	6" LED, Non-IC, New Construction/Remodel Chicago Plenum Housing (Cooper Halo H750TCP)	79.35	32.00
			For >50 To 100, Deduct	-3.18	
			For >100 To 250, Deduct	-5.17	
			For >250 To 500, Deduct	-7.94	
			For >500, Deduct	-10.70	
26 51	19 00-0163	EA	6" LED, Shallow, Insulated Ceiling, Air-Tite, New Constr. (Cooper Halo H2750ICAT)	76.78	32.00
			For >50 To 100, Deduct	-3.12	
			For >100 To 250, Deduct	-5.04	
			For >250 To 500, Deduct	-7.68	
			For >500, Deduct	-10.32	
26 51	19 00-0164	EA	6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H7ICAT)	60.42	32.00
			For >50 To 100, Deduct	-2.71	
			For >100 To 250, Deduct	-4.22	
			For >250 To 500, Deduct	-6.04	
			For >500, Deduct	-7.86	
26 51	19 00-0165	EA	6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H7RICAT)	64.17	32.00
			For >50 To 100, Deduct	-2.80	
			For >100 To 250, Deduct	-4.41	
			For >250 To 500, Deduct	-6.42	
			For >500, Deduct	-8.43	
26 51	19 00-0166	EA	6" Insulated Ceiling, New Construction Housing (Cooper Halo H7ICT)	59.64	32.00
			For >50 To 100, Deduct	-2.69	
			For >100 To 250, Deduct	-4.18	
			For >250 To 500, Deduct	-5.96	
			For >500, Deduct	-7.75	
26 51	19 00-0167	EA	6" Insulated Ceiling, Remodel Housing (Cooper Halo H7RICT)	63.74	32.00
			For >50 To 100, Deduct	-2.79	
			For >100 To 250, Deduct	-4.39	
			For >250 To 500, Deduct	-6.37	
			For >500, Deduct	-8.36	
26 51	19 00-0168	EA	6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo H7ICATNB)	60.32	32.00
			For >50 To 100, Deduct	-2.71	
			For >100 To 250, Deduct	-4.22	
			For >250 To 500, Deduct	-6.03	
			For >500, Deduct	-7.85	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0169	EA		6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo H7ICTNB)	59.94	32.00
			For >50 To 100, Deduct	-2.70	
			For >100 To 250, Deduct	-4.20	
			For >250 To 500, Deduct	-5.99	
			For >500, Deduct	-7.79	
26 51 19 00-0170	EA		6" Non-IC, New Construction Housing (Cooper Halo H7T).....	62.90	32.00
			For >50 To 100, Deduct	-2.77	
			For >100 To 250, Deduct	-4.35	
			For >250 To 500, Deduct	-6.29	
			For >500, Deduct	-8.24	
26 51 19 00-0171	EA		6" Non-IC, Remodel Housing (Cooper Halo H7RT).....	64.50	32.00
			For >50 To 100, Deduct	-2.81	
			For >100 To 250, Deduct	-4.43	
			For >250 To 500, Deduct	-6.45	
			For >500, Deduct	-8.48	
26 51 19 00-0172	EA		6" Non-IC, New Construction Housing, No Socket Bracket (Cooper Halo H7TNB)	65.01	32.00
			For >50 To 100, Deduct	-2.83	
			For >100 To 250, Deduct	-4.45	
			For >250 To 500, Deduct	-6.50	
			For >500, Deduct	-8.55	
26 51 19 00-0173	EA		6" Non-IC, Chicago Plenum, New Construction/Remodel Housing (Cooper Halo H7TCP)	89.83	32.00
			For >50 To 100, Deduct	-3.45	
			For >100 To 250, Deduct	-5.69	
			For >250 To 500, Deduct	-8.98	
			For >500, Deduct	-12.27	
26 51 19 00-0174	EA		6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo H7UIC).....	83.60	32.00
			For >50 To 100, Deduct	-3.29	
			For >100 To 250, Deduct	-5.38	
			For >250 To 500, Deduct	-8.36	
			For >500, Deduct	-11.34	
26 51 19 00-0175	EA		6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo H7UICAT).....	84.33	32.00
			For >50 To 100, Deduct	-3.31	
			For >100 To 250, Deduct	-5.42	
			For >250 To 500, Deduct	-8.43	
			For >500, Deduct	-11.45	
26 51 19 00-0176	EA		6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI700AT).....	88.49	32.00
			For >50 To 100, Deduct	-3.41	
			For >100 To 250, Deduct	-5.62	
			For >250 To 500, Deduct	-8.85	
			For >500, Deduct	-12.07	
26 51 19 00-0177	EA		6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI700RAT)	88.49	32.00
			For >50 To 100, Deduct	-3.41	
			For >100 To 250, Deduct	-5.62	
			For >250 To 500, Deduct	-8.85	
			For >500, Deduct	-12.07	
26 51 19 00-0178	EA		6" Insulated Ceiling, New Construction Housing (Cooper Halo EI700)	88.49	32.00
			For >50 To 100, Deduct	-3.41	
			For >100 To 250, Deduct	-5.62	
			For >250 To 500, Deduct	-8.85	
			For >500, Deduct	-12.07	
26 51 19 00-0179	EA		6" Insulated Ceiling, Remodel Housing (Cooper Halo EI700R)	88.49	32.00
			For >50 To 100, Deduct	-3.41	
			For >100 To 250, Deduct	-5.62	
			For >250 To 500, Deduct	-8.85	
			For >500, Deduct	-12.07	
26 51 19 00-0180	EA		6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo EI700ATNB)	88.49	32.00
			For >50 To 100, Deduct	-3.41	
			For >100 To 250, Deduct	-5.62	
			For >250 To 500, Deduct	-8.85	
			For >500, Deduct	-12.07	
26 51 19 00-0181	EA		6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo EI700NB)	77.60	32.00
			For >50 To 100, Deduct	-3.14	
			For >100 To 250, Deduct	-5.08	
			For >250 To 500, Deduct	-7.76	
			For >500, Deduct	-10.44	
26 51 19 00-0182	EA		6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo EI700U).....	77.60	32.00
			For >50 To 100, Deduct	-3.14	
			For >100 To 250, Deduct	-5.08	
			For >250 To 500, Deduct	-7.76	
			For >500, Deduct	-10.44	
26 51 19 00-0183	EA		6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo EI700UAT)	77.60	32.00
			For >50 To 100, Deduct	-3.14	
			For >100 To 250, Deduct	-5.08	
			For >250 To 500, Deduct	-7.76	
			For >500, Deduct	-10.44	
26 51 19 00-0184	EA		6" Non-IC, New Construction Housing (Cooper Halo ET700).....	77.60	32.00
			For >50 To 100, Deduct	-3.14	
			For >100 To 250, Deduct	-5.08	
			For >250 To 500, Deduct	-7.76	
			For >500, Deduct	-10.44	
26 51 19 00-0185	EA		6" Non-IC, Remodel Housing (Cooper Halo ET700R)	77.60	32.00
			For >50 To 100, Deduct	-3.14	
			For >100 To 250, Deduct	-5.08	
			For >250 To 500, Deduct	-7.76	
			For >500, Deduct	-10.44	



Electrical			26
Lighting			26 50
Interior Lighting			26 51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0186	EA	6"	Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H27ICAT).....	78.39	32.00
			For >50 To 100, Deduct	-3.16	
			For >100 To 250, Deduct	-5.12	
			For >250 To 500, Deduct	-7.84	
			For >500, Deduct	-10.56	
26 51 19 00-0187	EA	6"	Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H27RICAT).....	90.63	32.00
			For >50 To 100, Deduct	-3.47	
			For >100 To 250, Deduct	-5.73	
			For >250 To 500, Deduct	-9.06	
			For >500, Deduct	-12.39	
26 51 19 00-0188	EA	6"	Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo H27ICT)	78.39	32.00
			For >50 To 100, Deduct	-3.16	
			For >100 To 250, Deduct	-5.12	
			For >250 To 500, Deduct	-7.84	
			For >500, Deduct	-10.56	
26 51 19 00-0189	EA	6"	Shallow, Insulated Ceiling, Remodel Housing (Cooper Halo H27RICT).....	87.17	32.00
			For >50 To 100, Deduct	-3.38	
			For >100 To 250, Deduct	-5.56	
			For >250 To 500, Deduct	-8.72	
			For >500, Deduct	-11.88	
26 51 19 00-0190	EA	6"	Shallow, Non-IC, New Construction Housing (Cooper Halo H27T)	73.43	32.00
			For >50 To 100, Deduct	-3.04	
			For >100 To 250, Deduct	-4.87	
			For >250 To 500, Deduct	-7.34	
			For >500, Deduct	-9.81	
26 51 19 00-0191	EA	6"	Shallow, Non-IC, Remodel Housing (Cooper Halo H27RT)	74.64	32.00
			For >50 To 100, Deduct	-3.07	
			For >100 To 250, Deduct	-4.93	
			For >250 To 500, Deduct	-7.46	
			For >500, Deduct	-10.00	
26 51 19 00-0192	EA	6"	Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo EI2700AT)	83.19	32.00
			For >50 To 100, Deduct	-3.28	
			For >100 To 250, Deduct	-5.36	
			For >250 To 500, Deduct	-8.32	
			For >500, Deduct	-11.28	
26 51 19 00-0193	EA	6"	Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo EI2700)	83.19	32.00
			For >50 To 100, Deduct	-3.28	
			For >100 To 250, Deduct	-5.36	
			For >250 To 500, Deduct	-8.32	
			For >500, Deduct	-11.28	
26 51 19 00-0194	EA	6"	Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI2700R)	83.19	32.00
			For >50 To 100, Deduct	-3.28	
			For >100 To 250, Deduct	-5.36	
			For >250 To 500, Deduct	-8.32	
			For >500, Deduct	-11.28	
26 51 19 00-0195	EA	6"	Shallow, Non-IC, New Construction Housing (Cooper Halo ET2700)	83.19	32.00
			For >50 To 100, Deduct	-3.28	
			For >100 To 250, Deduct	-5.36	
			For >250 To 500, Deduct	-8.32	
			For >500, Deduct	-11.28	
26 51 19 00-0196	EA	6"	Shallow, Non-IC, Remodel Housing (Cooper Halo ET2700R).....	83.19	32.00
			For >50 To 100, Deduct	-3.28	
			For >100 To 250, Deduct	-5.36	
			For >250 To 500, Deduct	-8.32	
			For >500, Deduct	-11.28	
26 51 19 00-0197	EA	6"	Retrofit Enclosure, Non-IC, BX Whip (Cooper Halo ML7BXRFK)	70.90	14.94
			For >50 To 100, Deduct	-2.33	
			For >100 To 250, Deduct	-4.11	
			For >250 To 500, Deduct	-7.09	
			For >500, Deduct	-10.08	
26 51 19 00-0198	EA	6"	Retrofit Enclosure, Non-IC, E26 Screw base Interface (Cooper Halo ML7E26RFK).....	73.39	14.94
			For >50 To 100, Deduct	-2.39	
			For >100 To 250, Deduct	-4.23	
			For >250 To 500, Deduct	-7.34	
			For >500, Deduct	-10.45	
26 51 19 00-0199	EA	5"	LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H550ICAT)	68.02	32.00
			For >50 To 100, Deduct	-2.90	
			For >100 To 250, Deduct	-4.60	
			For >250 To 500, Deduct	-6.80	
			For >500, Deduct	-9.00	
26 51 19 00-0200	EA	5"	LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H550RICAT).....	68.32	32.00
			For >50 To 100, Deduct	-2.91	
			For >100 To 250, Deduct	-4.62	
			For >250 To 500, Deduct	-6.83	
			For >500, Deduct	-9.05	
26 51 19 00-0201	EA	5"	Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H5ICAT).....	63.16	32.00
			For >50 To 100, Deduct	-2.78	
			For >100 To 250, Deduct	-4.36	
			For >250 To 500, Deduct	-6.32	
			For >500, Deduct	-8.27	
26 51 19 00-0202	EA	5"	Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H5RICAT)	65.70	32.00
			For >50 To 100, Deduct	-2.84	
			For >100 To 250, Deduct	-4.49	
			For >250 To 500, Deduct	-6.57	
			For >500, Deduct	-8.66	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0203	EA	5" Non-IC, New Construction Housing (Cooper Halo H5T).....		64.86	32.00
		For >50 To 100, Deduct		-2.82	
		For >100 To 250, Deduct		-4.44	
		For >250 To 500, Deduct		-6.49	
		For >500, Deduct		-8.53	
26 51 19 00-0204	EA	5" Non-IC, Remodel Housing (Cooper Halo H5RT).....		65.63	32.00
		For >50 To 100, Deduct		-2.84	
		For >100 To 250, Deduct		-4.48	
		For >250 To 500, Deduct		-6.56	
		For >500, Deduct		-8.64	
26 51 19 00-0205	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI500AT).....		76.52	32.00
		For >50 To 100, Deduct		-3.11	
		For >100 To 250, Deduct		-5.03	
		For >250 To 500, Deduct		-7.65	
		For >500, Deduct		-10.28	
26 51 19 00-0206	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI500RAT).....		77.10	32.00
		For >50 To 100, Deduct		-3.13	
		For >100 To 250, Deduct		-5.06	
		For >250 To 500, Deduct		-7.71	
		For >500, Deduct		-10.37	
26 51 19 00-0207	EA	5" Non-IC, New Construction Housing (Cooper Halo ET500).....		80.02	32.00
		For >50 To 100, Deduct		-3.20	
		For >100 To 250, Deduct		-5.20	
		For >250 To 500, Deduct		-8.00	
		For >500, Deduct		-10.80	
26 51 19 00-0208	EA	5" Non-IC, Remodel Housing (Cooper Halo ET500R).....		82.07	32.00
		For >50 To 100, Deduct		-3.25	
		For >100 To 250, Deduct		-5.30	
		For >250 To 500, Deduct		-8.21	
		For >500, Deduct		-11.11	
26 51 19 00-0209	EA	5" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H25ICAT).....		91.08	32.00
		For >50 To 100, Deduct		-3.48	
		For >100 To 250, Deduct		-5.75	
		For >250 To 500, Deduct		-9.11	
		For >500, Deduct		-12.46	
26 51 19 00-0210		Recessed LED Downlights (Maxlite DLR) (26 51 19 00-0101)			
26 51 19 00-0211	EA	4" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR410).....		131.42	46.93
		For >50 To 100, Deduct		-5.05	
		For >100 To 250, Deduct		-8.33	
		For >250 To 500, Deduct		-13.14	
		For >500, Deduct		-17.95	
26 51 19 00-0212	EA	4" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR415).....		132.99	46.93
		For >50 To 100, Deduct		-5.08	
		For >100 To 250, Deduct		-8.41	
		For >250 To 500, Deduct		-13.30	
		For >500, Deduct		-18.19	
26 51 19 00-0213	EA	4" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR420).....		137.69	46.93
		For >50 To 100, Deduct		-5.20	
		For >100 To 250, Deduct		-8.64	
		For >250 To 500, Deduct		-13.77	
		For >500, Deduct		-18.89	
26 51 19 00-0214	EA	6" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR615).....		128.29	46.93
		For >50 To 100, Deduct		-4.97	
		For >100 To 250, Deduct		-8.17	
		For >250 To 500, Deduct		-12.83	
		For >500, Deduct		-17.48	
26 51 19 00-0215	EA	6" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR620).....		128.29	46.93
		For >50 To 100, Deduct		-4.97	
		For >100 To 250, Deduct		-8.17	
		For >250 To 500, Deduct		-12.83	
		For >500, Deduct		-17.48	
26 51 19 00-0216	EA	6" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR630).....		128.29	46.93
		For >50 To 100, Deduct		-4.97	
		For >100 To 250, Deduct		-8.17	
		For >250 To 500, Deduct		-12.83	
		For >500, Deduct		-17.48	
26 51 19 00-0217	EA	8" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR810).....		137.69	46.93
		For >50 To 100, Deduct		-5.20	
		For >100 To 250, Deduct		-8.64	
		For >250 To 500, Deduct		-13.77	
		For >500, Deduct		-18.89	
26 51 19 00-0218	EA	8" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR815).....		139.25	46.93
		For >50 To 100, Deduct		-5.24	
		For >100 To 250, Deduct		-8.72	
		For >250 To 500, Deduct		-13.93	
		For >500, Deduct		-19.13	
26 51 19 00-0219	EA	8" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR820).....		142.37	46.93
		For >50 To 100, Deduct		-5.32	
		For >100 To 250, Deduct		-8.88	
		For >250 To 500, Deduct		-14.24	
		For >500, Deduct		-19.60	



Electrical			26
Lighting			26 50
Interior Lighting			26 51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0220	EA		8" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR830).....	151.76	46.93
			For >50 To 100, Deduct	-5.55	
			For >100 To 250, Deduct	-9.35	
			For >250 To 500, Deduct	-15.18	
			For >500, Deduct	-21.00	
26 51 19 00-0221	EA		8" Diameter, 5,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR850).....	164.28	46.93
			For >50 To 100, Deduct	-5.87	
			For >100 To 250, Deduct	-9.97	
			For >250 To 500, Deduct	-16.43	
			For >500, Deduct	-22.88	
26 51 19 00-0222			Recessed LED Downlight Retrofits And Trim (CREE®) (26 51 19 00-0100)		
26 51 19 00-0223			Recessed LED Downlight Retrofits (CREE®) (26 51 19 00-0222)		
			Note: Dimmable to 5%. For installation in standard recessed IC or non-IC housings. Includes removal of existing lamp from fixture. Excludes housing and disposal of hazardous lamps.		
26 51 19 00-0224	EA		4" Diameter, 575 Lumens, Recessed LED Downlight Retrofit (Cree® CR4-575L)	82.36	
			For >50 To 100, Deduct	-2.73	
			For >100 To 250, Deduct	-4.78	
			For >250 To 500, Deduct	-8.24	
			For >500, Deduct	-11.69	
26 51 19 00-0225	EA		6" Diameter, 625 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-625L)	73.33	
			For >50 To 100, Deduct	-2.50	
			For >100 To 250, Deduct	-4.33	
			For >250 To 500, Deduct	-7.33	
			For >500, Deduct	-10.33	
26 51 19 00-0226	EA		6" Diameter, 800 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-800L)	91.39	
			For >50 To 100, Deduct	-2.95	
			For >100 To 250, Deduct	-5.24	
			For >250 To 500, Deduct	-9.14	
			For >500, Deduct	-13.04	
26 51 19 00-0227	EA		6" Diameter, 650 Lumens, Recessed LED Downlight Retrofit (Cree® LR6C-277)	101.92	
			For >50 To 100, Deduct	-3.21	
			For >100 To 250, Deduct	-5.76	
			For >250 To 500, Deduct	-10.19	
			For >500, Deduct	-14.62	
26 51 19 00-0228	EA		6" Diameter, 1,000 Lumens, Deep Recessed LED Downlight Retrofit (Cree® LR6-10L-XXX-120V-A-DR).....	110.95	
			For >50 To 100, Deduct	-3.44	
			For >100 To 250, Deduct	-6.21	
			For >250 To 500, Deduct	-11.10	
			For >500, Deduct	-15.98	
26 51 19 00-0229			Recessed LED Downlight Retrofits Trim (CREE®) (26 51 19 00-0222)		
			Note: For installation in standard recessed IC or non-IC housings. Excludes housing and lamp.		
26 51 19 00-0230	EA		6" Diameter, Diffuse Anodized Finish Reflector For LED Downlight Retrofits (Cree® CT6AX).....	31.04	7.47
			For >50 To 100, Deduct	-1.18	
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-3.10	
			For >500, Deduct	-4.26	
26 51 19 00-0231	EA		6" Diameter, Diffuse Anodized Finish Reflector With Painted Flange For LED Downlight Retrofits (Cree® LT6AP)	37.07	7.47
			For >50 To 100, Deduct	-1.33	
			For >100 To 250, Deduct	-2.25	
			For >250 To 500, Deduct	-3.71	
			For >500, Deduct	-5.16	
26 51 19 00-0232	EA		6" Diameter, Flat Black Finish Trim And Reflector For LED Downlight Retrofits (Cree® CT6BB).....	32.55	7.47
			For >50 To 100, Deduct	-1.21	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-3.26	
			For >500, Deduct	-4.48	
26 51 19 00-0233			Recessed LED Downlight Fixture Housings (CREE®) (26 51 19 00-0222)		
			Note: Excludes lamp and trim.		
26 51 19 00-0234	EA		6" Diameter, IC Rated, Architectural Recessed LED Downlight Fixture Housing (Cree® H6)	84.13	32.00
			For >50 To 100, Deduct	-3.30	
			For >100 To 250, Deduct	-5.41	
			For >250 To 500, Deduct	-8.41	
			For >500, Deduct	-11.42	
26 51 19 00-0235	EA		6" Diameter, IC Rated, Retrofit Recessed LED Downlight Fixture Housing (Cree® RR6)	63.04	32.00
			For >50 To 100, Deduct	-2.78	
			For >100 To 250, Deduct	-4.35	
			For >250 To 500, Deduct	-6.30	
			For >500, Deduct	-8.26	
26 51 19 00-0236			Can Retrofit Or Surface Mount, LED Downlights (26 51 19 00-0100)		
26 51 19 00-0237	EA		6" Diameter, 15 Watt, Can Retrofit Or Surface Mount, LED Downlight (Lighting Science® GLP6).....	87.59	29.23
			For >50 To 100, Deduct	-3.29	
			For >100 To 250, Deduct	-5.48	
			For >250 To 500, Deduct	-8.76	
			For >500, Deduct	-12.04	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0238	EA		4" Diameter, 7 Watt, Can Retrofit, LED Downlight (Green Creative0 1-811-D).....	70.59	29.23
			For >50 To 100, Deduct	-2.86	
			For >100 To 250, Deduct	-4.63	
			For >250 To 500, Deduct	-7.06	
			For >500, Deduct	-9.49	
26 51 19 00-0239	EA		6" Diameter, 9.5 Watt, Can Retrofit, LED Downlight (Green Creative0 1-808-D).....	70.59	29.23
			For >50 To 100, Deduct	-2.86	
			For >100 To 250, Deduct	-4.63	
			For >250 To 500, Deduct	-7.06	
			For >500, Deduct	-9.49	
26 51 19 00-0240	EA		6" Diameter, 8.9 Watt, Can Retrofit, LED Downlight (Lithonia 6BP).....	99.59	29.23
			For Recessed IC/Non-IC Rated Housing For New Construction, Add	37.85	
			For >50 To 100, Deduct	-3.59	
			For >100 To 250, Deduct	-6.08	
			For >250 To 500, Deduct	-9.96	
			For >500, Deduct	-13.84	
26 51 19 00-0241	EA		4" Diameter, 8 Watt, 600 Lumens, Retrofit LED Downlight (Sylvania LED/RT4/550/840).....	55.59	29.23
			For >50 To 100, Deduct	-2.49	
			For >100 To 250, Deduct	-3.88	
			For >250 To 500, Deduct	-5.56	
			For >500, Deduct	-7.24	
26 51 19 00-0242	EA		5" Diameter, 10 Watt, 700 Lumens, Retrofit LED Downlight (Sylvania LED/RT5/6/625/840).....	60.31	29.23
			For >50 To 100, Deduct	-2.60	
			For >100 To 250, Deduct	-4.11	
			For >250 To 500, Deduct	-6.03	
			For >500, Deduct	-7.95	
26 51 19 00-0243	EA		6" Diameter, 800 Lumens, 10 Watt, Retrofit LED Wallwash Downlight (Indy Lighting LRT6-08LM)	597.05	29.23
			For >50 To 100, Deduct	-16.02	
			For >100 To 250, Deduct	-30.95	
			For >250 To 500, Deduct	-59.71	
			For >500, Deduct	-88.46	
26 51 19 00-0244			Wall Mount LED Cylinder Downlight (26 51 19 00-0001)		
26 51 19 00-0245	EA		9" Diameter, 2,200 Lumens, Wall Mount LED Cylinder Downlight With Semi-Specular Trim (Gotham® EVO® CLED9)	345.04	45.41
			For >50 To 100, Deduct	-10.33	
			For >100 To 250, Deduct	-18.96	
			For >250 To 500, Deduct	-34.50	
			For >500, Deduct	-50.05	
26 51 19 00-0246			Wall Sconce And Wall Wash LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0247			LED Wall Sconce Fixtures (Hudson Valley Lighting) (26 51 19 00-0246)		
26 51 19 00-0248	EA		2-1/2" Diameter x 15-1/2" High, Polished Nickel, LED Wall Sconce (Hudson Valley Lighting SHAW 1200-PN).....	352.98	42.67
			For >50 To 100, Deduct	-10.42	
			For >100 To 250, Deduct	-19.25	
			For >250 To 500, Deduct	-35.30	
			For >500, Deduct	-51.35	
26 51 19 00-0249			LED Wall Sconce Fixtures (Kichler) (26 51 19 00-0246)		
26 51 19 00-0250	EA		6" High x 11.75" Wide x 3.5" Deep, 900 Lumens, 15 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Kichler 10790NILED)	203.92	42.67
			For >50 To 100, Deduct	-6.70	
			For >100 To 250, Deduct	-11.80	
			For >250 To 500, Deduct	-20.39	
			For >500, Deduct	-28.99	
26 51 19 00-0251			LED Wall Sconce Fixtures (Metalux) (26 51 19 00-0246)		
26 51 19 00-0252	EA		9.875" High x 7.125" Wide x 3.5" Deep, 9 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Metalux AFX VNTS071009L30ENBN)	119.48	42.67
			For >50 To 100, Deduct	-4.59	
			For >100 To 250, Deduct	-7.57	
			For >250 To 500, Deduct	-11.95	
			For >500, Deduct	-16.32	
26 51 19 00-0253			Concealed Continuous LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0254			Concealed Continuous LED Fixtures (Fraqtir™ S301) (26 51 19 00-0253)		
26 51 19 00-0255	LF		Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Driver (Fraqtir™ S301)	459.93	4.87
			For >50 To 100, Deduct	-11.74	
			For >100 To 250, Deduct	-23.24	
			For >250 To 500, Deduct	-45.99	
			For >500, Deduct	-68.75	
26 51 19 00-0256	LF		Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Dimming Driver (Fraqtir™ S301)	524.03	4.87
			For >50 To 100, Deduct	-13.34	
			For >100 To 250, Deduct	-26.45	
			For >250 To 500, Deduct	-52.40	
			For >500, Deduct	-78.36	



Electrical			26
Lighting			26 50
Interior Lighting			26 51

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0257 Low Bay LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0258 LED Linear Low Bay Fixtures (PlanLED) (26 51 19 00-0257)		
26 51 19 00-0259 EA 4' Length, 23 Watt, LED Linear Low Bay Fixture (PlanLED A1W4).....	259.87	58.46
For >50 To 100, Deduct	-8.93	
For >100 To 250, Deduct	-15.43	
For >250 To 500, Deduct	-25.99	
For >500, Deduct	-36.54	
26 51 19 00-0260 EA 4' Length, 42 Watt, LED Linear Low Bay Fixture (PlanLED A2W4A).....	343.79	58.46
For >50 To 100, Deduct	-11.03	
For >100 To 250, Deduct	-19.63	
For >250 To 500, Deduct	-34.38	
For >500, Deduct	-49.13	
26 51 19 00-0261 EA 8' Length, 84 Watt, LED Linear Low Bay Fixture (PlanLED A2W5A).....	561.71	73.08
For >50 To 100, Deduct	-17.09	
For >100 To 250, Deduct	-31.13	
For >250 To 500, Deduct	-56.17	
For >500, Deduct	-81.21	
26 51 19 00-0262 LED Low Bay Fixtures (CREE®) (26 51 19 00-0257)		
26 51 19 00-0263 LED Low Bay Fixtures (CREE® LS) (26 51 19 00-0262)		
Note: Includes 120/277 voltage and 22 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0264 EA 2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-35K-10V).....	247.12	58.46
For >50 To 100, Deduct	-8.61	
For >100 To 250, Deduct	-14.79	
For >250 To 500, Deduct	-24.71	
For >500, Deduct	-34.63	
26 51 19 00-0265 EA 2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-50K-10V).....	262.47	58.46
For >50 To 100, Deduct	-9.00	
For >100 To 250, Deduct	-15.56	
For >250 To 500, Deduct	-26.25	
For >500, Deduct	-36.93	
26 51 19 00-0266 EA 4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-35K-10V).....	253.52	58.46
For >50 To 100, Deduct	-8.77	
For >100 To 250, Deduct	-15.11	
For >250 To 500, Deduct	-25.35	
For >500, Deduct	-35.59	
26 51 19 00-0267 EA 4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-50K-10V).....	268.87	58.46
For >50 To 100, Deduct	-9.16	
For >100 To 250, Deduct	-15.88	
For >250 To 500, Deduct	-26.89	
For >500, Deduct	-37.89	
26 51 19 00-0268 EA 5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-35K-10V).....	280.38	58.46
For >50 To 100, Deduct	-9.45	
For >100 To 250, Deduct	-16.46	
For >250 To 500, Deduct	-28.04	
For >500, Deduct	-39.62	
26 51 19 00-0269 EA 5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-50K-10V).....	295.73	58.46
For >50 To 100, Deduct	-9.83	
For >100 To 250, Deduct	-17.22	
For >250 To 500, Deduct	-29.57	
For >500, Deduct	-41.92	
26 51 19 00-0270 EA 8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-35K-10V).....	390.46	73.08
For >50 To 100, Deduct	-12.81	
For >100 To 250, Deduct	-22.57	
For >250 To 500, Deduct	-39.05	
For >500, Deduct	-55.52	
26 51 19 00-0271 EA 8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-50K-10V).....	418.60	73.08
For >50 To 100, Deduct	-13.51	
For >100 To 250, Deduct	-23.98	
For >250 To 500, Deduct	-41.86	
For >500, Deduct	-59.75	
26 51 19 00-0272 EA 10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-35K-10V).....	477.45	73.08
For >50 To 100, Deduct	-14.98	
For >100 To 250, Deduct	-26.92	
For >250 To 500, Deduct	-47.75	
For >500, Deduct	-68.57	
26 51 19 00-0273 EA 10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-50K-10V).....	492.80	73.08
For >50 To 100, Deduct	-15.37	
For >100 To 250, Deduct	-27.69	
For >250 To 500, Deduct	-49.28	
For >500, Deduct	-70.88	
26 51 19 00-0274 LED Low Bay Fixtures (CREE® LN) (26 51 19 00-0262)		
Note: Includes 120/277 voltage and aluminum housing assembly. Excludes sensors.		
26 51 19 00-0275 EA 3,400 Lumens, 4' Length, LED Low Bay Fixture (Cree® LN4-34L-35K-10V).....	531.13	58.46
For >50 To 100, Deduct	-15.71	
For >100 To 250, Deduct	-28.99	
For >250 To 500, Deduct	-53.11	
For >500, Deduct	-77.23	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0276	EA		3,400 Lumens, 4' Length, LED Low Bay Fixture, Smartcast Technology (Cree® LN4-34L-35K-CMA).....	595.10	58.46
			For >50 To 100, Deduct	-17.31	
			For >100 To 250, Deduct	-32.19	
			For >250 To 500, Deduct	-59.51	
			For >500, Deduct	-86.83	
26 51 19 00-0277			LED Linear Low Bay Fixtures (CREE® CS) (26 51 19 00-0262) Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and lightweight polymer housing assembly. Excludes sensors.		
26 51 19 00-0278	EA		4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Cree® CS14™).....	513.55	58.46
			For >50 To 100, Deduct	-15.27	
			For >100 To 250, Deduct	-28.11	
			For >250 To 500, Deduct	-51.36	
			For >500, Deduct	-74.60	
26 51 19 00-0279	EA		7,500 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™).....	638.75	73.08
			For >50 To 100, Deduct	-19.01	
			For >100 To 250, Deduct	-34.98	
			For >250 To 500, Deduct	-63.88	
			For >500, Deduct	-92.77	
26 51 19 00-0280	EA		8,000 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™).....	805.81	73.08
			For >50 To 100, Deduct	-23.19	
			For >100 To 250, Deduct	-43.34	
			For >250 To 500, Deduct	-80.58	
			For >500, Deduct	-117.83	
26 51 19 00-0281			Accessories For LED Low Bay Fixtures (CREE®) (26 51 19 00-0262)		
26 51 19 00-0282	EA		Continuous Row Through Wiring Kit For 4' Fixtures (Cree® LS4TWK).....	49.30	16.03
			For >50 To 100, Deduct	-1.90	
			For >100 To 250, Deduct	-3.13	
			For >250 To 500, Deduct	-4.93	
			For >500, Deduct	-6.73	
26 51 19 00-0283	EA		Continuous Row Through Wiring Kit For 8' Fixtures (Cree® LS8TWK).....	53.82	16.03
			For >50 To 100, Deduct	-2.01	
			For >100 To 250, Deduct	-3.36	
			For >250 To 500, Deduct	-5.38	
			For >500, Deduct	-7.41	
26 51 19 00-0284	EA		Top Housing Aligner For Continuous Row Installations (Cree® LS-RJ).....	41.76	16.03
			For >50 To 100, Deduct	-1.71	
			For >100 To 250, Deduct	-2.76	
			For >250 To 500, Deduct	-4.18	
			For >500, Deduct	-5.60	
26 51 19 00-0285	EA		Reflector Joint Aligner For Continuous Row Installations (Cree® LS-RFLJ).....	34.24	16.03
			For >50 To 100, Deduct	-1.52	
			For >100 To 250, Deduct	-2.38	
			For >250 To 500, Deduct	-3.42	
			For >500, Deduct	-4.47	
26 51 19 00-0286	EA		Solid Reflector, Pair (Cree® LS4-SR).....	101.97	16.03
			For >50 To 100, Deduct	-3.22	
			For >100 To 250, Deduct	-5.77	
			For >250 To 500, Deduct	-10.20	
			For >500, Deduct	-14.63	
26 51 19 00-0287	EA		Solid Reflector, Pair (Cree® LS8-SR).....	139.61	16.03
			For >50 To 100, Deduct	-4.16	
			For >100 To 250, Deduct	-7.65	
			For >250 To 500, Deduct	-13.96	
			For >500, Deduct	-20.27	
26 51 19 00-0288	EA		5" Cable Canopy With #18/2 SJT Cord, 48" (Cree® AC5-18/2-48-Q14B-JB).....	53.82	16.03
			For >50 To 100, Deduct	-2.01	
			For >100 To 250, Deduct	-3.36	
			For >250 To 500, Deduct	-5.38	
			For >500, Deduct	-7.41	
26 51 19 00-0289	EA		5" Cable Canopy With #18/2 SJT Cord, 72" (Cree® AC5-18/2-72-Q14B-JB).....	74.89	16.03
			For >50 To 100, Deduct	-2.54	
			For >100 To 250, Deduct	-4.41	
			For >250 To 500, Deduct	-7.49	
			For >500, Deduct	-10.57	
26 51 19 00-0290	EA		5" Cable Canopy With #18/5 SJT Cord, 48" (Cree® AC5-18/5-48-Q14B-JB).....	59.83	16.03
			For >50 To 100, Deduct	-2.16	
			For >100 To 250, Deduct	-3.66	
			For >250 To 500, Deduct	-5.98	
			For >500, Deduct	-8.31	
26 51 19 00-0291	EA		5" Cable Canopy With #18/5 SJT Cord, 72" (Cree® AC5-18/5-72-Q14B-JB).....	79.40	16.03
			For >50 To 100, Deduct	-2.65	
			For >100 To 250, Deduct	-4.64	
			For >250 To 500, Deduct	-7.94	
			For >500, Deduct	-11.24	
26 51 19 00-0292	EA		5" Cable Canopy With #18/5 SJT Cord, 96" (Cree® AC5-18/5-96-Q14B-JB).....	83.92	16.03
			For >50 To 100, Deduct	-2.77	
			For >100 To 250, Deduct	-4.86	
			For >250 To 500, Deduct	-8.39	
			For >500, Deduct	-11.92	



Electrical			26
Lighting			26 50
Interior Lighting			26 51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0293	EA		5" Cable Canopy With #12/3 SJT Cord, 48" (Cree® AC5-12/3-48-Q14B-JB).....	71.87	16.03
			For >50 To 100, Deduct	-2.46	
			For >100 To 250, Deduct	-4.26	
			For >250 To 500, Deduct	-7.19	
			For >500, Deduct	-10.11	
26 51 19 00-0294	EA		5" Cable Canopy With #12/3 SJT Cord, 72" (Cree® AC5-12/3-72-Q14B-JB).....	106.49	16.03
			For >50 To 100, Deduct	-3.33	
			For >100 To 250, Deduct	-5.99	
			For >250 To 500, Deduct	-10.65	
			For >500, Deduct	-15.31	
26 51 19 00-0295	EA		Set Of End Caps, One With Power Feed, One Without (Cree® LN-EC).....	56.82	16.03
			For >50 To 100, Deduct	-2.09	
			For >100 To 250, Deduct	-3.51	
			For >250 To 500, Deduct	-5.68	
			For >500, Deduct	-7.66	
26 51 19 00-0296	EA		Canopy Kit With Aircraft Cable And Opening For Power Feed (Cree® LN-CK-5-AC)	68.86	16.03
			For >50 To 100, Deduct	-2.39	
			For >100 To 250, Deduct	-4.11	
			For >250 To 500, Deduct	-6.89	
			For >500, Deduct	-9.66	
26 51 19 00-0297	EA		Canopy Kit With Aircraft Cable No Opening For Power Feed (Cree® LN-CK-0-AC)	53.82	16.03
			For >50 To 100, Deduct	-2.01	
			For >100 To 250, Deduct	-3.36	
			For >250 To 500, Deduct	-5.38	
			For >500, Deduct	-7.41	
26 51 19 00-0298	EA		Emergency 125W Inverter, Ceiling Installed (Cree® ELI-125W)	999.13	38.97
			For >50 To 100, Deduct	-26.44	
			For >100 To 250, Deduct	-51.42	
			For >250 To 500, Deduct	-99.91	
			For >500, Deduct	-148.41	
26 51 19 00-0299	EA		120 Volt, Emergency Relay For Use With Generator Power (Cree® EL-SR-120)	359.47	38.97
			For >50 To 100, Deduct	-10.45	
			For >100 To 250, Deduct	-19.44	
			For >250 To 500, Deduct	-35.95	
			For >500, Deduct	-52.46	
26 51 19 00-0300			LED Linear Low Bay Fixtures (Lithonia MSL) (26 51 19 00-0257)		
			Note: Includes 3,500K, 4,000K or 5,000K color temperature, 120/277 voltage and steel housing assembly.		
			Excludes sensors.		
26 51 19 00-0301	EA		4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Lithonia MSL)	648.17	58.46
			For >50 To 100, Deduct	-18.64	
			For >100 To 250, Deduct	-34.84	
			For >250 To 500, Deduct	-64.82	
			For >500, Deduct	-94.79	
26 51 19 00-0302			High Bay LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0303			LED High Bay Fixtures (Columbia Lighting LWS) (26 51 19 00-0302)		
26 51 19 00-0304	EA		16" x 24", 7,909 Lumens, 58.8 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-LW-W-EU)	447.08	107.18
			For >50 To 100, Deduct	-16.54	
			For >100 To 250, Deduct	-27.71	
			For >250 To 500, Deduct	-44.71	
			For >500, Deduct	-61.70	
26 51 19 00-0305	EA		16" x 24", 8,526 Lumens, 58.8 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-LW-W-EU)	447.08	107.18
			For >50 To 100, Deduct	-16.54	
			For >100 To 250, Deduct	-27.71	
			For >250 To 500, Deduct	-44.71	
			For >500, Deduct	-61.70	
26 51 19 00-0306	EA		16" x 24", 11,812 Lumens, 82.9 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-ML-W-EU)	502.93	107.18
			For >50 To 100, Deduct	-17.93	
			For >100 To 250, Deduct	-30.51	
			For >250 To 500, Deduct	-50.29	
			For >500, Deduct	-70.08	
26 51 19 00-0307	EA		16" x 24", 12,734 Lumens, 82.9 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-ML-W-EU)	502.93	107.18
			For >50 To 100, Deduct	-17.93	
			For >100 To 250, Deduct	-30.51	
			For >250 To 500, Deduct	-50.29	
			For >500, Deduct	-70.08	
26 51 19 00-0308	EA		16" x 24", 14,813 Lumens, 112.5 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-HL-W-EU)	596.01	107.18
			For >50 To 100, Deduct	-20.26	
			For >100 To 250, Deduct	-35.16	
			For >250 To 500, Deduct	-59.60	
			For >500, Deduct	-84.04	
26 51 19 00-0309	EA		16" x 24", 15,968 Lumens, 112.5 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-HL-W-EU)	596.01	107.18
			For >50 To 100, Deduct	-20.26	
			For >100 To 250, Deduct	-35.16	
			For >250 To 500, Deduct	-59.60	
			For >500, Deduct	-84.04	
26 51 19 00-0310	EA		16" x 24", 18,714 Lumens, 137.1 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-VL-W-EU)	633.24	107.18
			For >50 To 100, Deduct	-21.19	
			For >100 To 250, Deduct	-37.02	
			For >250 To 500, Deduct	-63.32	
			For >500, Deduct	-89.63	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0311	EA		16" x 24", 19,511 Lumens, 137.1 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-VL-W-EU)	633.24	107.18
			For >50 To 100, Deduct	-21.19	
			For >100 To 250, Deduct	-37.02	
			For >250 To 500, Deduct	-63.32	
			For >500, Deduct	-89.63	
26 51 19 00-0312	EA		16" x 24", 22,994 Lumens, 174 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-XL-W-EU)	661.17	107.18
			For >50 To 100, Deduct	-21.89	
			For >100 To 250, Deduct	-38.42	
			For >250 To 500, Deduct	-66.12	
			For >500, Deduct	-93.82	
26 51 19 00-0313	EA		16" x 24", 24,787 Lumens, 174 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-XL-W-EU)	661.17	107.18
			For >50 To 100, Deduct	-21.89	
			For >100 To 250, Deduct	-38.42	
			For >250 To 500, Deduct	-66.12	
			For >500, Deduct	-93.82	
26 51 19 00-0314			LED High Bay Fixtures (Cree) (26 51 19 00-0302)		
26 51 19 00-0315			LED High Bay Fixtures (CREE®) (26 51 19 00-0314)		
26 51 19 00-0316	EA		18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-10V)	648.06	107.18
			For >50 To 100, Deduct	-21.56	
			For >100 To 250, Deduct	-37.76	
			For >250 To 500, Deduct	-64.81	
			For >500, Deduct	-91.85	
26 51 19 00-0317	EA		18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-ML)	771.25	107.18
			For >50 To 100, Deduct	-24.64	
			For >100 To 250, Deduct	-43.92	
			For >250 To 500, Deduct	-77.13	
			For >500, Deduct	-110.33	
26 51 19 00-0318	EA		18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-10V)	711.05	107.18
			For >50 To 100, Deduct	-23.14	
			For >100 To 250, Deduct	-40.91	
			For >250 To 500, Deduct	-71.11	
			For >500, Deduct	-101.30	
26 51 19 00-0319	EA		18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-ML)	808.88	107.18
			For >50 To 100, Deduct	-25.58	
			For >100 To 250, Deduct	-45.80	
			For >250 To 500, Deduct	-80.89	
			For >500, Deduct	-115.97	
26 51 19 00-0320	EA		24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-10V)	669.81	107.18
			For >50 To 100, Deduct	-22.10	
			For >100 To 250, Deduct	-38.85	
			For >250 To 500, Deduct	-66.98	
			For >500, Deduct	-95.11	
26 51 19 00-0321	EA		24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-ML)	793.83	107.18
			For >50 To 100, Deduct	-25.21	
			For >100 To 250, Deduct	-45.05	
			For >250 To 500, Deduct	-79.38	
			For >500, Deduct	-113.72	
26 51 19 00-0322	EA		24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-10V)	733.62	107.18
			For >50 To 100, Deduct	-23.70	
			For >100 To 250, Deduct	-42.04	
			For >250 To 500, Deduct	-73.36	
			For >500, Deduct	-104.68	
26 51 19 00-0323	EA		24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-ML)	831.45	107.18
			For >50 To 100, Deduct	-26.15	
			For >100 To 250, Deduct	-46.93	
			For >250 To 500, Deduct	-83.15	
			For >500, Deduct	-119.36	
26 51 19 00-0324			Accessories For LED High Bay Fixtures (CREE®) (26 51 19 00-0314)		
26 51 19 00-0325	EA		15 Amperes, 120 Volt, Straight Blade Plug For LED High Bay Fixtures (Cree® AP-515P)	49.30	16.03
			For >50 To 100, Deduct	-1.90	
			For >100 To 250, Deduct	-3.13	
			For >250 To 500, Deduct	-4.93	
			For >500, Deduct	-6.73	
26 51 19 00-0326	EA		15 Amperes, 120 Volt, Twist Lock Plug For LED High Bay Fixtures (Cree® AP-L515P)	49.30	16.03
			For >50 To 100, Deduct	-1.90	
			For >100 To 250, Deduct	-3.13	
			For >250 To 500, Deduct	-4.93	
			For >500, Deduct	-6.73	
26 51 19 00-0327	EA		16" Matte Spun Aluminum Reflector For LED High Bay Fixture (Cree® CXBA16N)	64.34	16.03
			For >50 To 100, Deduct	-2.28	
			For >100 To 250, Deduct	-3.89	
			For >250 To 500, Deduct	-6.43	
			For >500, Deduct	-8.98	
26 51 19 00-0328	EA		16" Clear Acrylic Reflector For LED High Bay Fixture (Cree® CXBP16)	94.45	16.03
			For >50 To 100, Deduct	-3.03	
			For >100 To 250, Deduct	-5.39	
			For >250 To 500, Deduct	-9.45	
			For >500, Deduct	-13.50	



Electrical			26
Lighting			26 50
Interior Lighting			26 51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0329	EA	16"	White Acrylic Reflector For LED High Bay Fixture (Cree® CXBW16)	109.50	16.03
			For >50 To 100, Deduct	-3.41	
			For >100 To 250, Deduct	-6.14	
			For >250 To 500, Deduct	-10.95	
			For >500, Deduct	-15.76	
26 51 19 00-0330	EA	16"	Clear Prismatic Conical Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® CL16)	64.34	16.03
			For >50 To 100, Deduct	-2.28	
			For >100 To 250, Deduct	-3.89	
			For >250 To 500, Deduct	-6.43	
			For >500, Deduct	-8.98	
26 51 19 00-0331	EA	16"	Clear Prismatic Drop Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® DL16)	65.85	16.03
			For >50 To 100, Deduct	-2.31	
			For >100 To 250, Deduct	-3.96	
			For >250 To 500, Deduct	-6.59	
			For >500, Deduct	-9.21	
26 51 19 00-0332	EA	16"	Wire Guard For Aluminum Reflector For LED High Bay Fixtures (Cree® WG-A)	49.30	16.03
			For >50 To 100, Deduct	-1.90	
			For >100 To 250, Deduct	-3.13	
			For >250 To 500, Deduct	-4.93	
			For >500, Deduct	-6.73	
26 51 19 00-0333	EA	16"	Wire Guard For Prismatic And Acrylic Reflector For LED High Bay Fixtures (Cree® WG-AP)	52.31	16.03
			For >50 To 100, Deduct	-1.98	
			For >100 To 250, Deduct	-3.28	
			For >250 To 500, Deduct	-5.23	
			For >500, Deduct	-7.18	
26 51 19 00-0334	EA	5'	Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-5)	35.75	16.03
			For >50 To 100, Deduct	-1.56	
			For >100 To 250, Deduct	-2.46	
			For >250 To 500, Deduct	-3.58	
			For >500, Deduct	-4.69	
26 51 19 00-0335	EA	10'	Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-10)	37.26	16.03
			For >50 To 100, Deduct	-1.60	
			For >100 To 250, Deduct	-2.53	
			For >250 To 500, Deduct	-3.73	
			For >500, Deduct	-4.92	
26 51 19 00-0336			LED High Bay Fixtures (DLE) (26 51 19 00-0302)		
26 51 19 00-0337	EA	12,000 Lumens, 120 Watt, LED High Bay Fixture (DLE-12-ST/HV)	971.01	107.18	
			For >50 To 100, Deduct	-29.63	
			For >100 To 250, Deduct	-53.91	
			For >250 To 500, Deduct	-97.10	
			For >500, Deduct	-140.29	
26 51 19 00-0338	EA	18,000 Lumens, 180 Watt, LED High Bay Fixture (DLE-18-ST/HV)	1,179.45	107.18	
			For >50 To 100, Deduct	-34.85	
			For >100 To 250, Deduct	-64.33	
			For >250 To 500, Deduct	-117.95	
			For >500, Deduct	-171.56	
26 51 19 00-0339	EA	24,000 Lumens, 230 Watt, LED High Bay Fixture (DLE-24-ST/HV)	1,373.01	107.18	
			For >50 To 100, Deduct	-39.68	
			For >100 To 250, Deduct	-74.01	
			For >250 To 500, Deduct	-137.30	
			For >500, Deduct	-200.59	
26 51 19 00-0340			LED High Bay Fixtures (Everlast) (26 51 19 00-0302)		
26 51 19 00-0341			LED High Bay Fixtures (Everlast EL-LED-LG) (26 51 19 00-0340)		
26 51 19 00-0342	EA	13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC)	674.58	107.18	
			For >50 To 100, Deduct	-22.22	
			For >100 To 250, Deduct	-39.09	
			For >250 To 500, Deduct	-67.46	
			For >500, Deduct	-95.83	
26 51 19 00-0343	EA	13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO)	709.77	107.18	
			For >50 To 100, Deduct	-23.10	
			For >100 To 250, Deduct	-40.85	
			For >250 To 500, Deduct	-70.98	
			For >500, Deduct	-101.11	
26 51 19 00-0344	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16)	639.39	107.18	
			For >50 To 100, Deduct	-21.34	
			For >100 To 250, Deduct	-37.33	
			For >250 To 500, Deduct	-63.94	
			For >500, Deduct	-90.55	
26 51 19 00-0345	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22)	654.28	107.18	
			For >50 To 100, Deduct	-21.72	
			For >100 To 250, Deduct	-38.07	
			For >250 To 500, Deduct	-65.43	
			For >500, Deduct	-92.78	
26 51 19 00-0346	EA	17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC)	735.49	107.18	
			For >50 To 100, Deduct	-23.75	
			For >100 To 250, Deduct	-42.13	
			For >250 To 500, Deduct	-73.55	
			For >500, Deduct	-104.96	

26 Electrical
26 50 Lighting
26 51 Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0347	EA		17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO).....	796.40	107.18
			For >50 To 100, Deduct	-25.27	
			For >100 To 250, Deduct	-45.18	
			For >250 To 500, Deduct	-79.64	
			For >500, Deduct	-114.10	
26 51 19 00-0348	EA		20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16).....	703.00	107.18
			For >50 To 100, Deduct	-22.93	
			For >100 To 250, Deduct	-40.51	
			For >250 To 500, Deduct	-70.30	
			For >500, Deduct	-100.09	
26 51 19 00-0349	EA		20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22).....	755.79	107.18
			For >50 To 100, Deduct	-24.25	
			For >100 To 250, Deduct	-43.15	
			For >250 To 500, Deduct	-75.58	
			For >500, Deduct	-108.01	
26 51 19 00-0350	EA		34,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30).....	1,078.88	107.18
			For >50 To 100, Deduct	-32.21	
			For >100 To 250, Deduct	-69.05	
			For >250 To 500, Deduct	-107.39	
			For >500, Deduct	-155.72	
26 51 19 00-0351	EA		43,000 Lumens, 400 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30).....	1,168.63	107.18
			For >50 To 100, Deduct	-34.58	
			For >100 To 250, Deduct	-63.79	
			For >250 To 500, Deduct	-116.86	
			For >500, Deduct	-169.94	
26 51 19 00-0352	EA		66,000 Lumens, 600 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30).....	1,439.34	107.18
			For >50 To 100, Deduct	-41.34	
			For >100 To 250, Deduct	-77.33	
			For >250 To 500, Deduct	-143.93	
			For >500, Deduct	-210.54	
26 51 19 00-0353			LED High Bay Fixtures (Everlast EL-LED-CS) (26 51 19 00-0340)		
26 51 19 00-0354	EA		5,000 Lumens, 50 Watt, LED High Bay Fixture (Everlast EL-LED-CS).....	444.47	107.18
			For >50 To 100, Deduct	-16.47	
			For >100 To 250, Deduct	-27.58	
			For >250 To 500, Deduct	-44.45	
			For >500, Deduct	-61.31	
26 51 19 00-0355	EA		10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-CS).....	627.20	107.18
			For >50 To 100, Deduct	-21.04	
			For >100 To 250, Deduct	-36.72	
			For >250 To 500, Deduct	-62.72	
			For >500, Deduct	-88.72	
26 51 19 00-0356	EA		15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-CS).....	708.42	107.18
			For >50 To 100, Deduct	-23.07	
			For >100 To 250, Deduct	-40.78	
			For >250 To 500, Deduct	-70.84	
			For >500, Deduct	-100.90	
26 51 19 00-0357	EA		20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-CS).....	803.17	107.18
			For >50 To 100, Deduct	-25.44	
			For >100 To 250, Deduct	-45.52	
			For >250 To 500, Deduct	-80.32	
			For >500, Deduct	-115.12	
26 51 19 00-0358	EA		30,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-CS).....	864.08	107.18
			For >50 To 100, Deduct	-26.96	
			For >100 To 250, Deduct	-48.56	
			For >250 To 500, Deduct	-86.41	
			For >500, Deduct	-124.25	
26 51 19 00-0359			LED High Bay Fixtures (Everlast EL-LED-HB-LG) (26 51 19 00-0340)		
26 51 19 00-0360	EA		10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG).....	566.29	107.18
			For >50 To 100, Deduct	-19.52	
			For >100 To 250, Deduct	-33.67	
			For >250 To 500, Deduct	-56.63	
			For >500, Deduct	-79.58	
26 51 19 00-0361	EA		15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG).....	600.13	107.18
			For >50 To 100, Deduct	-20.36	
			For >100 To 250, Deduct	-35.37	
			For >250 To 500, Deduct	-60.01	
			For >500, Deduct	-84.66	
26 51 19 00-0362	EA		20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG).....	647.51	107.18
			For >50 To 100, Deduct	-21.55	
			For >100 To 250, Deduct	-37.73	
			For >250 To 500, Deduct	-64.75	
			For >500, Deduct	-91.77	
26 51 19 00-0363			LED High Bay Fixtures (Everlast EL-LED-LHB) (26 51 19 00-0340)		
26 51 19 00-0364	EA		13,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-LHB).....	574.42	107.18
			For >50 To 100, Deduct	-19.72	
			For >100 To 250, Deduct	-34.08	
			For >250 To 500, Deduct	-57.44	
			For >500, Deduct	-80.80	



Electrical			26
Lighting			26 50
Interior Lighting			26 51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0365	EA		26,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LHB).....	694.88	107.18
			For >50 To 100, Deduct	-22.73	
			For >100 To 250, Deduct	-40.10	
			For >250 To 500, Deduct	-69.49	
			For >500, Deduct	-98.87	
26 51 19 00-0366	EA		39,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LHB).....	850.54	107.18
			For >50 To 100, Deduct	-26.62	
			For >100 To 250, Deduct	-47.89	
			For >250 To 500, Deduct	-85.05	
			For >500, Deduct	-122.22	
26 51 19 00-0367 LED High Bay Fixtures (Lithonia IBL) (26 51 19 00-0302)					
Note: Includes aluminum alloy chassis.					
26 51 19 00-0368	EA		9,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 9L).....	557.00	107.18
			For >50 To 100, Deduct	-19.28	
			For >100 To 250, Deduct	-33.21	
			For >250 To 500, Deduct	-55.70	
			For >500, Deduct	-78.19	
26 51 19 00-0369	EA		12,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 12L).....	603.54	107.18
			For >50 To 100, Deduct	-20.45	
			For >100 To 250, Deduct	-35.54	
			For >250 To 500, Deduct	-60.35	
			For >500, Deduct	-85.17	
26 51 19 00-0370	EA		18,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 18L).....	729.21	107.18
			For >50 To 100, Deduct	-23.59	
			For >100 To 250, Deduct	-41.82	
			For >250 To 500, Deduct	-72.92	
			For >500, Deduct	-104.02	
26 51 19 00-0371	EA		24,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 24L).....	779.47	107.18
			For >50 To 100, Deduct	-24.85	
			For >100 To 250, Deduct	-44.33	
			For >250 To 500, Deduct	-77.95	
			For >500, Deduct	-111.56	
26 51 19 00-0372 LED High Bay Fixtures (Metalux SSLED) (26 51 19 00-0302)					
26 51 19 00-0373	EA		12,000 Lumens, 80 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-12-M-UNV-L840-CD1U)	527.13	107.18
			For >50 To 100, Deduct	-18.54	
			For >100 To 250, Deduct	-31.72	
			For >250 To 500, Deduct	-52.71	
			For >500, Deduct	-73.71	
26 51 19 00-0374	EA		15,000 Lumens, 100 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-15-M-UNV-L840-CD1U)	539.42	107.18
			For >50 To 100, Deduct	-18.84	
			For >100 To 250, Deduct	-32.33	
			For >250 To 500, Deduct	-53.94	
			For >500, Deduct	-75.55	
26 51 19 00-0375	EA		18,000 Lumens, 120 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-18-M-UNV-L840-CD1U)	544.37	107.18
			For >50 To 100, Deduct	-18.97	
			For >100 To 250, Deduct	-32.58	
			For >250 To 500, Deduct	-54.44	
			For >500, Deduct	-76.30	
26 51 19 00-0376	EA		24,000 Lumens, 160 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-24-M-UNV-L840-CD1U)	591.48	107.18
			For >50 To 100, Deduct	-20.15	
			For >100 To 250, Deduct	-34.93	
			For >250 To 500, Deduct	-59.15	
			For >500, Deduct	-83.36	
26 51 19 00-0377	EA		30,000 Lumens, 200 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-30-M-UNV-L840-CD1U)	646.36	107.18
			For >50 To 100, Deduct	-21.52	
			For >100 To 250, Deduct	-37.68	
			For >250 To 500, Deduct	-64.64	
			For >500, Deduct	-91.59	
26 51 19 00-0378	EA		36,000 Lumens, 240 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-36-M-UNV-L840-CD1U)	666.95	107.18
			For >50 To 100, Deduct	-22.03	
			For >100 To 250, Deduct	-38.71	
			For >250 To 500, Deduct	-66.70	
			For >500, Deduct	-94.68	
26 51 19 00-0379 LED High Bay Fixtures (PlanLED) (26 51 19 00-0302)					
26 51 19 00-0380 LED High Bay Fixtures (PlanLED LUNA) (26 51 19 00-0379)					
Note: Includes aluminum alloy chassis.					
26 51 19 00-0381	EA		7,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN70)	658.34	107.18
			For >50 To 100, Deduct	-21.82	
			For >100 To 250, Deduct	-38.28	
			For >250 To 500, Deduct	-65.83	
			For >500, Deduct	-93.39	
26 51 19 00-0382	EA		9,800 Lumens, LED High Bay Fixture (PlanLED LUNA LN98)	734.14	107.18
			For >50 To 100, Deduct	-23.71	
			For >100 To 250, Deduct	-42.07	
			For >250 To 500, Deduct	-73.41	
			For >500, Deduct	-104.76	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0383	EA		13,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN130).....	843.77	107.18
			For >50 To 100, Deduct	-26.45	
			For >100 To 250, Deduct	-47.55	
			For >250 To 500, Deduct	-84.38	
			For >500, Deduct	-121.21	
26 51 19 00-0384	EA		16,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN160).....	950.70	107.18
			For >50 To 100, Deduct	-29.13	
			For >100 To 250, Deduct	-52.89	
			For >250 To 500, Deduct	-95.07	
			For >500, Deduct	-137.25	
26 51 19 00-0385			LED High Bay Fixtures (PlanLED IBL) (26 51 19 00-0379)		
			Note: Includes aluminum alloy chassis.		
26 51 19 00-0386	EA		13,650 Lumens, 130 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 130W).....	712.48	107.18
			For 480 Volt, Add	37.44	
			For >50 To 100, Deduct	-23.17	
			For >100 To 250, Deduct	-40.98	
			For >250 To 500, Deduct	-71.25	
			For >500, Deduct	-101.51	
26 51 19 00-0387	EA		21,000 Lumens, 200 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 200W).....	976.42	107.18
			For 480 Volt, Add	47.30	
			For >50 To 100, Deduct	-29.77	
			For >100 To 250, Deduct	-54.18	
			For >250 To 500, Deduct	-97.64	
			For >500, Deduct	-141.10	
26 51 19 00-0388	EA		42,000 Lumens, 400 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 400W).....	1,703.28	107.18
			For 480 Volt, Add	74.77	
			For >50 To 100, Deduct	-47.94	
			For >100 To 250, Deduct	-90.52	
			For >250 To 500, Deduct	-170.33	
			For >500, Deduct	-250.13	
26 51 19 00-0389			LED High Bay Fixtures (PlanLED SEGA) (26 51 19 00-0379)		
			Note: Includes aluminum alloy chassis.		
26 51 19 00-0390	EA		10,400 Lumens, 80 Watt, LED High Bay Fixture (PlanLED SEGA SE080).....	570.35	107.18
			For 0 To 10 Volt Dimming, Add	57.98	
			For >50 To 100, Deduct	-19.62	
			For >100 To 250, Deduct	-33.88	
			For >250 To 500, Deduct	-57.04	
			For >500, Deduct	-80.19	
26 51 19 00-0391	EA		13,000 Lumens, 100 Watt, LED High Bay Fixture (PlanLED SEGA SE100).....	606.90	107.18
			For 0 To 10 Volt Dimming, Add	57.98	
			For >50 To 100, Deduct	-20.53	
			For >100 To 250, Deduct	-35.70	
			For >250 To 500, Deduct	-60.69	
			For >500, Deduct	-85.68	
26 51 19 00-0392	EA		16,900 Lumens, 130 Watt, LED High Bay Fixture (PlanLED SEGA SE130).....	732.78	107.18
			For 0 To 10 Volt Dimming, Add	57.98	
			For >50 To 100, Deduct	-23.68	
			For >100 To 250, Deduct	-42.00	
			For >250 To 500, Deduct	-73.28	
			For >500, Deduct	-104.56	
26 51 19 00-0393	EA		20,800 Lumens, 160 Watt, LED High Bay Fixture (PlanLED SEGA SE160).....	823.47	107.18
			For 0 To 10 Volt Dimming, Add	57.98	
			For >50 To 100, Deduct	-25.95	
			For >100 To 250, Deduct	-46.53	
			For >250 To 500, Deduct	-82.35	
			For >500, Deduct	-118.16	
26 51 19 00-0394	EA		50,000 Lumens, 400 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE400).....	1,492.13	107.18
			For >50 To 100, Deduct	-42.66	
			For >100 To 250, Deduct	-79.97	
			For >250 To 500, Deduct	-149.21	
			For >500, Deduct	-218.46	
26 51 19 00-0395	EA		57,040 Lumens, 500 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE500).....	1,611.24	107.18
			For >50 To 100, Deduct	-45.64	
			For >100 To 250, Deduct	-85.92	
			For >250 To 500, Deduct	-161.12	
			For >500, Deduct	-236.33	
26 51 19 00-0396	EA		80,000 Lumens, 640 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE640).....	2,429.02	107.18
			For >50 To 100, Deduct	-66.08	
			For >100 To 250, Deduct	-126.81	
			For >250 To 500, Deduct	-242.90	
			For >500, Deduct	-358.99	
26 51 19 00-0397			Wet/Hazardous Location, LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0398			Wet Location, LED Fixtures (26 51 19 00-0397)		
26 51 19 00-0399			Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM) (26 51 19 00-0398)		
			Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		



Electrical		26
Lighting		26 50
Interior Lighting		26 51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0400	EA		3,531 Lumens, 29 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM3L).....	1,888.34	81.85
			For Ceiling Mount, Add	16.36	
			For Quick Clip Mounting Option, Add	24.05	
			For Frosted Lens, Add	51.71	
			For Warm White Color Rendering, Add	66.57	
			For Stanchion Mount, Add	111.56	
			For Wall Mount, Add	123.49	
			For Polycarbonate Lens, Add	95.84	
			For Teflon Coated Lens, Add	109.75	
			For 480 Volt, Add	156.78	
			For >50 To 100, Deduct	-50.62	
			For >100 To 250, Deduct	-97.83	
			For >250 To 500, Deduct	-188.83	
			For >500, Deduct	-279.84	
26 51 19 00-0401	EA		5,335 Lumens, 43 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM5L).....	1,925.73	87.69
			For Ceiling Mount, Add	16.36	
			For Quick Clip Mounting Option, Add	24.05	
			For Frosted Lens, Add	51.71	
			For Warm White Color Rendering, Add	66.57	
			For Stanchion Mount, Add	111.56	
			For Wall Mount, Add	123.49	
			For Polycarbonate Lens, Add	95.84	
			For Teflon Coated Lens, Add	109.75	
			For 480 Volt, Add	156.78	
			For >50 To 100, Deduct	-51.80	
			For >100 To 250, Deduct	-99.94	
			For >250 To 500, Deduct	-192.57	
			For >500, Deduct	-285.21	
26 51 19 00-0402	EA		7,195 Lumens, 62 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM7L).....	2,173.41	93.54
			For Ceiling Mount, Add	16.36	
			For Quick Clip Mounting Option, Add	24.05	
			For Frosted Lens, Add	51.71	
			For Warm White Color Rendering, Add	66.57	
			For Stanchion Mount, Add	111.56	
			For Wall Mount, Add	123.49	
			For Polycarbonate Lens, Add	95.84	
			For Teflon Coated Lens, Add	109.75	
			For 480 Volt, Add	156.78	
			For >50 To 100, Deduct	-58.23	
			For >100 To 250, Deduct	-112.57	
			For >250 To 500, Deduct	-217.34	
			For >500, Deduct	-322.11	
26 51 19 00-0403	EA		9,266 Lumens, 85 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM9L).....	2,614.10	99.39
			For Ceiling Mount, Add	16.36	
			For Quick Clip Mounting Option, Add	24.05	
			For Frosted Lens, Add	51.71	
			For Warm White Color Rendering, Add	66.57	
			For Stanchion Mount, Add	111.56	
			For Wall Mount, Add	123.49	
			For Polycarbonate Lens, Add	95.84	
			For Teflon Coated Lens, Add	109.75	
			For 480 Volt, Add	156.78	
			For >50 To 100, Deduct	-69.49	
			For >100 To 250, Deduct	-134.85	
			For >250 To 500, Deduct	-261.41	
			For >500, Deduct	-387.97	
26 51 19 00-0404	EA		11,440 Lumens, 113 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L).....	3,330.48	105.23
			For Ceiling Mount, Add	16.36	
			For Quick Clip Mounting Option, Add	24.05	
			For Frosted Lens, Add	51.71	
			For Warm White Color Rendering, Add	66.57	
			For Stanchion Mount, Add	111.56	
			For Wall Mount, Add	123.49	
			For Polycarbonate Lens, Add	95.84	
			For Teflon Coated Lens, Add	109.75	
			For 480 Volt, Add	156.78	
			For >50 To 100, Deduct	-87.65	
			For >100 To 250, Deduct	-170.91	
			For >250 To 500, Deduct	-333.05	
			For >500, Deduct	-495.19	

26 Electrical
26 50 Lighting
26 51 Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0405	EA		13,226 Lumens, 131 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L)	4,377.39	108.15
			For Ceiling Mount, Add	16.36	
			For Quick Clip Mounting Option, Add	24.05	
			For Frosted Lens, Add	51.71	
			For Warm White Color Rendering, Add	66.57	
			For Stanchion Mount, Add	111.56	
			For Wall Mount, Add	123.49	
			For Polycarbonate Lens, Add	95.84	
			For Teflon Coated Lens, Add	109.75	
			For 480 Volt, Add	156.78	
			For >50 To 100, Deduct	-113.94	
			For >100 To 250, Deduct	-223.38	
			For >250 To 500, Deduct	-437.74	
			For >500, Deduct	-652.10	
26 51 19 00-0406	EA		18,793 Lumens, 168 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM17L)	5,067.52	111.08
			For Ceiling Mount, Add	16.36	
			For Quick Clip Mounting Option, Add	24.05	
			For Frosted Lens, Add	51.71	
			For Warm White Color Rendering, Add	66.57	
			For Stanchion Mount, Add	111.56	
			For Wall Mount, Add	123.49	
			For Polycarbonate Lens, Add	95.84	
			For Teflon Coated Lens, Add	109.75	
			For 480 Volt, Add	156.78	
			For >50 To 100, Deduct	-131.32	
			For >100 To 250, Deduct	-258.00	
			For >250 To 500, Deduct	-506.75	
			For >500, Deduct	-755.50	
26 51 19 00-0407			Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM) (26 51 19 00-0398) Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0408	EA		5,183 Lumens, 45 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM5L)	1,704.16	87.69
			For Bolt-On Visor, Add	89.03	
			For Bolt-On Wire Guard, Add	183.12	
			For 480 Volt, Add	156.78	
			For Warm White Color Rendering, Add	66.57	
			For >50 To 100, Deduct	-46.26	
			For >100 To 250, Deduct	-88.86	
			For >250 To 500, Deduct	-170.42	
			For >500, Deduct	-251.97	
26 51 19 00-0409	EA		7,095 Lumens, 62 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM7L)	2,509.13	93.54
			For Bolt-On Visor, Add	89.03	
			For Bolt-On Wire Guard, Add	183.12	
			For 480 Volt, Add	156.78	
			For Warm White Color Rendering, Add	66.57	
			For >50 To 100, Deduct	-66.63	
			For >100 To 250, Deduct	-129.35	
			For >250 To 500, Deduct	-250.91	
			For >500, Deduct	-372.47	
26 51 19 00-0410	EA		9,132 Lumens, 79 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM9L)	2,766.03	99.39
			For Bolt-On Visor, Add	89.03	
			For Bolt-On Wire Guard, Add	183.12	
			For 480 Volt, Add	156.78	
			For Warm White Color Rendering, Add	66.57	
			For >50 To 100, Deduct	-73.29	
			For >100 To 250, Deduct	-142.44	
			For >250 To 500, Deduct	-276.60	
			For >500, Deduct	-410.76	
26 51 19 00-0411	EA		11,107 Lumens, 99 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM11L)	3,174.39	105.23
			For Bolt-On Visor, Add	89.03	
			For Bolt-On Wire Guard, Add	183.12	
			For 480 Volt, Add	156.78	
			For Warm White Color Rendering, Add	66.57	
			For >50 To 100, Deduct	-83.74	
			For >100 To 250, Deduct	-163.10	
			For >250 To 500, Deduct	-317.44	
			For >500, Deduct	-471.77	
26 51 19 00-0412			Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2L) (26 51 19 00-0398) Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		



Electrical			26
Lighting			26 50
Interior Lighting			26 51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0413	EA		1,400 Lumens, 25 Watt, Pendant Mount, Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2LC).....	1,185.24	81.85
			For 12/24 Volt DC Driver, Add	25.30	
			For Frosted Lens, Add	51.71	
			For 55 Degree Ambient Suitability (AC Only), Add	34.45	
			For Warm White Color Rendering, Add	66.57	
			For Ceiling Mount, Add	78.61	
			For Wall Mount, Add	114.01	
			For Teflon Coated Lens, Add	109.75	
			For Wall Mount With Junction Box, Add	165.62	
			For >50 To 100, Deduct	-33.04	
			For >100 To 250, Deduct	-62.67	
			For >250 To 500, Deduct	-118.52	
			For >500, Deduct	-174.38	
26 51 19 00-0414			Vaportight, LED Fixtures (26 51 19 00-0397)		
26 51 19 00-0415			General Distribution, Vaportight, LED Fixtures (Metalux) (26 51 19 00-0414)		
26 51 19 00-0416	EA		2', 2,000 Lumens, 16 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-G-UNV-L850-CD1-U)	274.43	46.78
			For >50 To 100, Deduct	-8.81	
			For >100 To 250, Deduct	-15.67	
			For >250 To 500, Deduct	-27.44	
			For >500, Deduct	-39.22	
26 51 19 00-0417	EA		2', 3,000 Lumens, 24 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-G-UNV-L850-CD1-U)	286.47	46.78
			For >50 To 100, Deduct	-9.11	
			For >100 To 250, Deduct	-16.27	
			For >250 To 500, Deduct	-28.65	
			For >500, Deduct	-41.02	
26 51 19 00-0418	EA		2', 4,000 Lumens, 32 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-G-UNV-L850-CD1-U)	310.57	46.78
			For >50 To 100, Deduct	-9.71	
			For >100 To 250, Deduct	-17.48	
			For >250 To 500, Deduct	-31.06	
			For >500, Deduct	-44.64	
26 51 19 00-0419	EA		4', 4,000 Lumens, 32 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-G-UNV-L850-CD1-U)	277.33	58.46
			For >50 To 100, Deduct	-9.37	
			For >100 To 250, Deduct	-16.30	
			For >250 To 500, Deduct	-27.73	
			For >500, Deduct	-39.16	
26 51 19 00-0420	EA		4', 6,000 Lumens, 51 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-G-UNV-L850-CD1-U)	311.89	58.46
			For >50 To 100, Deduct	-10.23	
			For >100 To 250, Deduct	-18.03	
			For >250 To 500, Deduct	-31.19	
			For >500, Deduct	-44.35	
26 51 19 00-0421	EA		4', 8,000 Lumens, 67 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-G-UNV-L850-CD1-U)	438.48	58.46
			For >50 To 100, Deduct	-13.40	
			For >100 To 250, Deduct	-24.36	
			For >250 To 500, Deduct	-43.85	
			For >500, Deduct	-63.34	
26 51 19 00-0422			Wide Distribution, Vaportight, LED Fixtures (Metalux) (26 51 19 00-0414)		
26 51 19 00-0423	EA		2', 2,000 Lumens, 17 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-W-UNV-L850-CD1-U)	298.52	46.78
			For >50 To 100, Deduct	-9.41	
			For >100 To 250, Deduct	-16.87	
			For >250 To 500, Deduct	-29.85	
			For >500, Deduct	-42.83	
26 51 19 00-0424	EA		2', 3,000 Lumens, 25 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-W-UNV-L850-CD1-U)	310.57	46.78
			For >50 To 100, Deduct	-9.71	
			For >100 To 250, Deduct	-17.48	
			For >250 To 500, Deduct	-31.06	
			For >500, Deduct	-44.64	
26 51 19 00-0425	EA		2', 4,000 Lumens, 34 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-W-UNV-L850-CD1-U)	334.66	46.78
			For >50 To 100, Deduct	-10.32	
			For >100 To 250, Deduct	-18.68	
			For >250 To 500, Deduct	-33.47	
			For >500, Deduct	-48.25	
26 51 19 00-0426	EA		4', 4,000 Lumens, 31 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-W-UNV-L850-CD1-U)	390.30	58.46
			For >50 To 100, Deduct	-12.19	
			For >100 To 250, Deduct	-21.95	
			For >250 To 500, Deduct	-39.03	
			For >500, Deduct	-56.11	

26 Electrical
26 50 Lighting
26 51 Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0427	EA	4'	6,000 Lumens, 49 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-W-UNV-L850-CD1-U).....	438.48	58.46
			For >50 To 100, Deduct	-13.40	
			For >100 To 250, Deduct	-24.36	
			For >250 To 500, Deduct	-43.85	
			For >500, Deduct	-63.34	
26 51 19 00-0428	EA	4'	8,000 Lumens, 70 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-W-UNV-L850-CD1-U).....	486.67	58.46
			For >50 To 100, Deduct	-14.60	
			For >100 To 250, Deduct	-26.77	
			For >250 To 500, Deduct	-48.67	
			For >500, Deduct	-70.56	
26 51 19 00-0429 Parking Garage Distribution, Vaportight, LED Fixtures (Metalux) (26 51 19 00-0414)					
26 51 19 00-0430	EA	2'	2,000 Lumens, 17 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-P-UNV-L850-CD1-U).....	298.52	46.78
			For >50 To 100, Deduct	-9.41	
			For >100 To 250, Deduct	-16.87	
			For >250 To 500, Deduct	-29.85	
			For >500, Deduct	-42.83	
26 51 19 00-0431	EA	2'	3,000 Lumens, 25 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-P-UNV-L850-CD1-U).....	311.49	46.78
			For >50 To 100, Deduct	-9.74	
			For >100 To 250, Deduct	-17.52	
			For >250 To 500, Deduct	-31.15	
			For >500, Deduct	-44.77	
26 51 19 00-0432	EA	2'	4,000 Lumens, 34 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-P-UNV-L850-CD1-U).....	334.66	46.78
			For >50 To 100, Deduct	-10.32	
			For >100 To 250, Deduct	-18.68	
			For >250 To 500, Deduct	-33.47	
			For >500, Deduct	-48.25	
26 51 19 00-0433	EA	4'	4,000 Lumens, 31 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-P-UNV-L850-CD1-U).....	390.30	58.46
			For >50 To 100, Deduct	-12.19	
			For >100 To 250, Deduct	-21.95	
			For >250 To 500, Deduct	-39.03	
			For >500, Deduct	-56.11	
26 51 19 00-0434	EA	4'	6,000 Lumens, 49 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-P-UNV-L850-CD1-U).....	438.48	58.46
			For >50 To 100, Deduct	-13.40	
			For >100 To 250, Deduct	-24.36	
			For >250 To 500, Deduct	-43.85	
			For >500, Deduct	-63.34	
26 51 19 00-0435	EA	4'	8,000 Lumens, 69 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-P-UNV-L850-CD1-U).....	486.67	58.46
			For >50 To 100, Deduct	-14.60	
			For >100 To 250, Deduct	-26.77	
			For >250 To 500, Deduct	-48.67	
			For >500, Deduct	-70.56	
26 51 19 00-0436 Ceiling Mounted LED Fixtures (26 51 19 00-0001)					
26 51 19 00-0437 Ceiling Mounted, LED Drum Fixtures (Enertron) (26 51 19 00-0436)					
26 51 19 00-0438	EA	11"	Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X611-30).....	127.09	38.97
			For >50 To 100, Deduct	-4.64	
			For >100 To 250, Deduct	-7.82	
			For >250 To 500, Deduct	-12.71	
			For >500, Deduct	-17.60	
26 51 19 00-0439	EA	11"	Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X611-30).....	133.90	38.97
			For >50 To 100, Deduct	-4.81	
			For >100 To 250, Deduct	-8.16	
			For >250 To 500, Deduct	-13.39	
			For >500, Deduct	-18.62	
26 51 19 00-0440	EA	11"	Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X611-30).....	140.71	38.97
			For >50 To 100, Deduct	-4.98	
			For >100 To 250, Deduct	-8.50	
			For >250 To 500, Deduct	-14.07	
			For >500, Deduct	-19.65	
26 51 19 00-0441	EA	11"	Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X611-30).....	147.53	38.97
			For >50 To 100, Deduct	-5.15	
			For >100 To 250, Deduct	-8.84	
			For >250 To 500, Deduct	-14.75	
			For >500, Deduct	-20.67	
26 51 19 00-0442	EA	14"	Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X614-30).....	140.00	42.87
			For >50 To 100, Deduct	-5.11	
			For >100 To 250, Deduct	-8.61	
			For >250 To 500, Deduct	-14.00	
			For >500, Deduct	-19.39	
26 51 19 00-0443	EA	14"	Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X614-30).....	146.81	42.87
			For >50 To 100, Deduct	-5.28	
			For >100 To 250, Deduct	-8.95	
			For >250 To 500, Deduct	-14.68	
			For >500, Deduct	-20.41	



Electrical			26
Lighting			26 50
Interior Lighting			26 51

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 51 19 00-0444	EA	14" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X614-30).....	153.62		42.87
		For >50 To 100, Deduct	-5.45		
		For >100 To 250, Deduct	-9.29		
		For >250 To 500, Deduct	-15.36		
		For >500, Deduct	-21.44		
26 51 19 00-0445	EA	14" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X614-30).....	160.43		42.87
		For >50 To 100, Deduct	-5.62		
		For >100 To 250, Deduct	-9.63		
		For >250 To 500, Deduct	-16.04		
		For >500, Deduct	-22.46		
26 51 19 00-0446	EA	14" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X614-30).....	174.06		42.87
		For >50 To 100, Deduct	-5.96		
		For >100 To 250, Deduct	-10.31		
		For >250 To 500, Deduct	-17.41		
		For >500, Deduct	-24.50		
26 51 19 00-0447	EA	11" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X611-35).....	127.09		38.97
		For >50 To 100, Deduct	-4.64		
		For >100 To 250, Deduct	-7.82		
		For >250 To 500, Deduct	-12.71		
		For >500, Deduct	-17.60		
26 51 19 00-0448	EA	11" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X611-35).....	133.90		38.97
		For >50 To 100, Deduct	-4.81		
		For >100 To 250, Deduct	-8.16		
		For >250 To 500, Deduct	-13.39		
		For >500, Deduct	-18.62		
26 51 19 00-0449	EA	11" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X611-35).....	140.71		38.97
		For >50 To 100, Deduct	-4.98		
		For >100 To 250, Deduct	-8.50		
		For >250 To 500, Deduct	-14.07		
		For >500, Deduct	-19.65		
26 51 19 00-0450	EA	11" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X611-35).....	147.52		38.97
		For >50 To 100, Deduct	-5.15		
		For >100 To 250, Deduct	-8.84		
		For >250 To 500, Deduct	-14.75		
		For >500, Deduct	-20.67		
26 51 19 00-0451	EA	14" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X614-35).....	140.00		42.87
		For >50 To 100, Deduct	-5.11		
		For >100 To 250, Deduct	-8.61		
		For >250 To 500, Deduct	-14.00		
		For >500, Deduct	-19.39		
26 51 19 00-0452	EA	14" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X614-35).....	146.81		42.87
		For >50 To 100, Deduct	-5.28		
		For >100 To 250, Deduct	-8.95		
		For >250 To 500, Deduct	-14.68		
		For >500, Deduct	-20.41		
26 51 19 00-0453	EA	14" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X614-35).....	153.62		42.87
		For >50 To 100, Deduct	-5.45		
		For >100 To 250, Deduct	-9.29		
		For >250 To 500, Deduct	-15.36		
		For >500, Deduct	-21.44		
26 51 19 00-0454	EA	14" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X614-35).....	160.43		42.87
		For >50 To 100, Deduct	-5.62		
		For >100 To 250, Deduct	-9.63		
		For >250 To 500, Deduct	-16.04		
		For >500, Deduct	-22.46		
26 51 19 00-0455	EA	14" Diameter, 3,180 Lumens, 24 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED6X614-30).....	174.06		42.87
		For >50 To 100, Deduct	-5.96		
		For >100 To 250, Deduct	-10.31		
		For >250 To 500, Deduct	-17.41		
		For >500, Deduct	-24.50		
26 51 19 00-0456	EA	11" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X611-40).....	127.09		38.97
		For >50 To 100, Deduct	-4.64		
		For >100 To 250, Deduct	-7.82		
		For >250 To 500, Deduct	-12.71		
		For >500, Deduct	-17.60		
26 51 19 00-0457	EA	11" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X611-40).....	133.90		38.97
		For >50 To 100, Deduct	-4.81		
		For >100 To 250, Deduct	-8.16		
		For >250 To 500, Deduct	-13.39		
		For >500, Deduct	-18.62		
26 51 19 00-0458	EA	11" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X611-40).....	140.71		38.97
		For >50 To 100, Deduct	-4.98		
		For >100 To 250, Deduct	-8.50		
		For >250 To 500, Deduct	-14.07		
		For >500, Deduct	-19.65		
26 51 19 00-0459	EA	11" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X611-40).....	147.52		38.97
		For >50 To 100, Deduct	-5.15		
		For >100 To 250, Deduct	-8.84		
		For >250 To 500, Deduct	-14.75		
		For >500, Deduct	-20.67		
26 51 19 00-0460	EA	14" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40).....	140.00		42.87
		For >50 To 100, Deduct	-5.11		
		For >100 To 250, Deduct	-8.61		
		For >250 To 500, Deduct	-14.00		
		For >500, Deduct	-19.39		

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0461	EA	14" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	146.81	42.87	
		For >50 To 100, Deduct	-5.28		
		For >100 To 250, Deduct	-8.95		
		For >250 To 500, Deduct	-14.68		
		For >500, Deduct	-20.41		
26 51 19 00-0462	EA	14" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	153.62	42.87	
		For >50 To 100, Deduct	-5.45		
		For >100 To 250, Deduct	-9.29		
		For >250 To 500, Deduct	-15.36		
		For >500, Deduct	-21.44		
26 51 19 00-0463	EA	14" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	160.43	42.87	
		For >50 To 100, Deduct	-5.62		
		For >100 To 250, Deduct	-9.63		
		For >250 To 500, Deduct	-16.04		
		For >500, Deduct	-22.46		
26 51 19 00-0464	EA	14" Diameter, 3,300 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	174.06	42.87	
		For >50 To 100, Deduct	-5.96		
		For >100 To 250, Deduct	-10.31		
		For >250 To 500, Deduct	-17.41		
		For >500, Deduct	-24.50		
26 51 19 00-0465	EA	11" Diameter, 560 Lumens, 7 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED1X611-50)	127.09	38.97	
		For >50 To 100, Deduct	-4.64		
		For >100 To 250, Deduct	-7.82		
		For >250 To 500, Deduct	-12.71		
		For >500, Deduct	-17.60		
26 51 19 00-0466	EA	11" Diameter, 1,120 Lumens, 10 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED2X611-50)	133.90	38.97	
		For >50 To 100, Deduct	-4.81		
		For >100 To 250, Deduct	-8.16		
		For >250 To 500, Deduct	-13.39		
		For >500, Deduct	-18.62		
26 51 19 00-0467	EA	11" Diameter, 1,680 Lumens, 14 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED3X611-50)	140.71	38.97	
		For >50 To 100, Deduct	-4.98		
		For >100 To 250, Deduct	-8.50		
		For >250 To 500, Deduct	-14.07		
		For >500, Deduct	-19.65		
26 51 19 00-0468	EA	11" Diameter, 2,240 Lumens, 17 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED4X611-50)	147.52	38.97	
		For >50 To 100, Deduct	-5.15		
		For >100 To 250, Deduct	-8.84		
		For >250 To 500, Deduct	-14.75		
		For >500, Deduct	-20.67		
26 51 19 00-0469	EA	14" Diameter, 560 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	140.00	42.87	
		For >50 To 100, Deduct	-5.11		
		For >100 To 250, Deduct	-8.61		
		For >250 To 500, Deduct	-14.00		
		For >500, Deduct	-19.39		
26 51 19 00-0470	EA	14" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	146.81	42.87	
		For >50 To 100, Deduct	-5.28		
		For >100 To 250, Deduct	-8.95		
		For >250 To 500, Deduct	-14.68		
		For >500, Deduct	-20.41		
26 51 19 00-0471	EA	14" Diameter, 1,680 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	153.62	42.87	
		For >50 To 100, Deduct	-5.45		
		For >100 To 250, Deduct	-9.29		
		For >250 To 500, Deduct	-15.36		
		For >500, Deduct	-21.44		
26 51 19 00-0472	EA	14" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	160.43	42.87	
		For >50 To 100, Deduct	-5.62		
		For >100 To 250, Deduct	-9.63		
		For >250 To 500, Deduct	-16.04		
		For >500, Deduct	-22.46		
26 51 19 00-0473	EA	14" Diameter, 3,360 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	174.06	42.87	
		For >50 To 100, Deduct	-5.96		
		For >100 To 250, Deduct	-10.31		
		For >250 To 500, Deduct	-17.41		
		For >500, Deduct	-24.50		
26 51 19 00-0474	EA	19" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-30)	178.60	46.28	
		For >50 To 100, Deduct	-6.22		
		For >100 To 250, Deduct	-10.68		
		For >250 To 500, Deduct	-17.86		
		For >500, Deduct	-25.04		
26 51 19 00-0475	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X619-30)	194.08	46.28	
		For >50 To 100, Deduct	-6.61		
		For >100 To 250, Deduct	-11.46		
		For >250 To 500, Deduct	-19.41		
		For >500, Deduct	-27.36		
26 51 19 00-0476	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-30)	190.31	46.28	
		For >50 To 100, Deduct	-6.51		
		For >100 To 250, Deduct	-11.27		
		For >250 To 500, Deduct	-19.03		
		For >500, Deduct	-26.79		
26 51 19 00-0477	EA	19" Diameter, 1,910 Lumens, 18 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-30)	190.24	46.28	
		For >50 To 100, Deduct	-6.51		
		For >100 To 250, Deduct	-11.27		
		For >250 To 500, Deduct	-19.02		
		For >500, Deduct	-26.78		



Electrical			26
Lighting			26 50
Interior Lighting			26 51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0478	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	.....	207.71	46.28
		For >50 To 100, Deduct		-6.95	
		For >100 To 250, Deduct		-12.14	
		For >250 To 500, Deduct		-20.77	
		For >500, Deduct		-29.40	
26 51 19 00-0479	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	.....	202.07	46.28
		For >50 To 100, Deduct		-6.81	
		For >100 To 250, Deduct		-11.86	
		For >250 To 500, Deduct		-20.21	
		For >500, Deduct		-28.56	
26 51 19 00-0480	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	.....	225.67	46.28
		For >50 To 100, Deduct		-7.40	
		For >100 To 250, Deduct		-13.04	
		For >250 To 500, Deduct		-22.57	
		For >500, Deduct		-32.10	
26 51 19 00-0481	EA	19" Diameter, 3,820 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-30)	.....	217.99	46.28
		For >50 To 100, Deduct		-7.20	
		For >100 To 250, Deduct		-12.65	
		For >250 To 500, Deduct		-21.80	
		For >500, Deduct		-30.94	
26 51 19 00-0482	EA	19" Diameter, 4,240 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-30)	.....	218.05	46.28
		For >50 To 100, Deduct		-7.21	
		For >100 To 250, Deduct		-12.66	
		For >250 To 500, Deduct		-21.81	
		For >500, Deduct		-30.95	
26 51 19 00-0483	EA	19" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12S19-35)	.....	178.60	46.28
		For >50 To 100, Deduct		-6.22	
		For >100 To 250, Deduct		-10.68	
		For >250 To 500, Deduct		-17.86	
		For >500, Deduct		-25.04	
26 51 19 00-0484	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X619-35)	.....	194.08	46.28
		For >50 To 100, Deduct		-6.61	
		For >100 To 250, Deduct		-11.46	
		For >250 To 500, Deduct		-19.41	
		For >500, Deduct		-27.36	
26 51 19 00-0485	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	.....	190.31	46.28
		For >50 To 100, Deduct		-6.51	
		For >100 To 250, Deduct		-11.27	
		For >250 To 500, Deduct		-19.03	
		For >500, Deduct		-26.79	
26 51 19 00-0486	EA	19" Diameter, 1,910 Lumens, 18 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12H19-35)	.....	190.24	46.28
		For >50 To 100, Deduct		-6.51	
		For >100 To 250, Deduct		-11.27	
		For >250 To 500, Deduct		-19.02	
		For >500, Deduct		-26.78	
26 51 19 00-0487	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	.....	207.71	46.28
		For >50 To 100, Deduct		-6.95	
		For >100 To 250, Deduct		-12.14	
		For >250 To 500, Deduct		-20.77	
		For >500, Deduct		-29.40	
26 51 19 00-0488	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	.....	202.07	46.28
		For >50 To 100, Deduct		-6.81	
		For >100 To 250, Deduct		-11.86	
		For >250 To 500, Deduct		-20.21	
		For >500, Deduct		-28.56	
26 51 19 00-0489	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	.....	225.67	46.28
		For >50 To 100, Deduct		-7.40	
		For >100 To 250, Deduct		-13.04	
		For >250 To 500, Deduct		-22.57	
		For >500, Deduct		-32.10	
26 51 19 00-0490	EA	19" Diameter, 3,820 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12H19-35)	.....	217.99	46.28
		For >50 To 100, Deduct		-7.20	
		For >100 To 250, Deduct		-12.65	
		For >250 To 500, Deduct		-21.80	
		For >500, Deduct		-30.94	
26 51 19 00-0491	EA	19" Diameter, 4,240 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X12S19-35)	.....	218.05	46.28
		For >50 To 100, Deduct		-7.21	
		For >100 To 250, Deduct		-12.66	
		For >250 To 500, Deduct		-21.81	
		For >500, Deduct		-30.95	
26 51 19 00-0492	EA	19" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-40)	.....	178.60	46.28
		For >50 To 100, Deduct		-6.22	
		For >100 To 250, Deduct		-10.68	
		For >250 To 500, Deduct		-17.86	
		For >500, Deduct		-25.04	
26 51 19 00-0493	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	.....	194.08	46.28
		For >50 To 100, Deduct		-6.61	
		For >100 To 250, Deduct		-11.46	
		For >250 To 500, Deduct		-19.41	
		For >500, Deduct		-27.36	
26 51 19 00-0494	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	.....	190.31	46.28
		For >50 To 100, Deduct		-6.51	
		For >100 To 250, Deduct		-11.27	
		For >250 To 500, Deduct		-19.03	
		For >500, Deduct		-26.79	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0495	EA	19" Diameter, 2,000 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-40).....	190.24	46.28
		For >50 To 100, Deduct	-6.51	
		For >100 To 250, Deduct	-11.27	
		For >250 To 500, Deduct	-19.02	
		For >500, Deduct	-26.78	
26 51 19 00-0496	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30).....	207.71	46.28
		For >50 To 100, Deduct	-6.95	
		For >100 To 250, Deduct	-12.14	
		For >250 To 500, Deduct	-20.77	
		For >500, Deduct	-29.40	
26 51 19 00-0497	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30).....	202.07	46.28
		For >50 To 100, Deduct	-6.81	
		For >100 To 250, Deduct	-11.86	
		For >250 To 500, Deduct	-20.21	
		For >500, Deduct	-28.56	
26 51 19 00-0498	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30).....	225.67	46.28
		For >50 To 100, Deduct	-7.40	
		For >100 To 250, Deduct	-13.04	
		For >250 To 500, Deduct	-22.57	
		For >500, Deduct	-32.10	
26 51 19 00-0499	EA	19" Diameter, 4,000 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-40).....	217.99	46.28
		For >50 To 100, Deduct	-7.20	
		For >100 To 250, Deduct	-12.65	
		For >250 To 500, Deduct	-21.80	
		For >500, Deduct	-30.94	
26 51 19 00-0500	EA	19" Diameter, 4,400 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-40).....	218.05	46.28
		For >50 To 100, Deduct	-7.21	
		For >100 To 250, Deduct	-12.66	
		For >250 To 500, Deduct	-21.81	
		For >500, Deduct	-30.95	
26 51 19 00-0501	EA	19" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-50).....	178.60	46.28
		For >50 To 100, Deduct	-6.22	
		For >100 To 250, Deduct	-10.68	
		For >250 To 500, Deduct	-17.86	
		For >500, Deduct	-25.04	
26 51 19 00-0502	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35).....	194.08	46.28
		For >50 To 100, Deduct	-6.61	
		For >100 To 250, Deduct	-11.46	
		For >250 To 500, Deduct	-19.41	
		For >500, Deduct	-27.36	
26 51 19 00-0503	EA	19" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-50).....	190.31	46.28
		For >50 To 100, Deduct	-6.51	
		For >100 To 250, Deduct	-11.27	
		For >250 To 500, Deduct	-19.03	
		For >500, Deduct	-26.79	
26 51 19 00-0504	EA	19" Diameter, 2,010 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-50).....	190.24	46.28
		For >50 To 100, Deduct	-6.51	
		For >100 To 250, Deduct	-11.27	
		For >250 To 500, Deduct	-19.02	
		For >500, Deduct	-26.78	
26 51 19 00-0505	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30).....	207.71	46.28
		For >50 To 100, Deduct	-6.95	
		For >100 To 250, Deduct	-12.14	
		For >250 To 500, Deduct	-20.77	
		For >500, Deduct	-29.40	
26 51 19 00-0506	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30).....	202.07	46.28
		For >50 To 100, Deduct	-6.81	
		For >100 To 250, Deduct	-11.86	
		For >250 To 500, Deduct	-20.21	
		For >500, Deduct	-28.56	
26 51 19 00-0507	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30).....	225.67	46.28
		For >50 To 100, Deduct	-7.40	
		For >100 To 250, Deduct	-13.04	
		For >250 To 500, Deduct	-22.57	
		For >500, Deduct	-32.10	
26 51 19 00-0508	EA	19" Diameter, 4,020 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-50).....	217.99	46.28
		For >50 To 100, Deduct	-7.20	
		For >100 To 250, Deduct	-12.65	
		For >250 To 500, Deduct	-21.80	
		For >500, Deduct	-30.94	
26 51 19 00-0509	EA	19" Diameter, 4,480 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-50).....	218.05	46.28
		For >50 To 100, Deduct	-7.21	
		For >100 To 250, Deduct	-12.66	
		For >250 To 500, Deduct	-21.81	
		For >500, Deduct	-30.95	
26 51 19 00-0510		Ceiling Mounted, LED Mushroom Fixtures (Mobern) (26 51 19 00-0436)		
26 51 19 00-0511	EA	14" Diameter, 800 Lumens, 12 Watt, LED Ceiling Fixture (Mobern 6814LED12MV30).....	138.29	42.87
		For >50 To 100, Deduct	-5.07	
		For >100 To 250, Deduct	-8.52	
		For >250 To 500, Deduct	-13.83	
		For >500, Deduct	-19.14	

26 51 19 00-0512 Ceiling Mounted, LED Fixtures (Sylvania) (26 51 19 00-0436)



Electrical			26
Lighting			26 50
Interior Lighting			26 51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0513	EA		12.5" x 12.5" x 2.32" Deep, 4,200 Lumens, 35 Watt, LED Garage Light Fixture (Sylvania GARAG1/035UNVD740/G5/SV/D)	468.94	46.28
			For >50 To 100, Deduct	-13.48	
			For >100 To 250, Deduct	-25.20	
			For >250 To 500, Deduct	-46.89	
			For >500, Deduct	-68.59	
26 51 19 00-0514	EA		2' x 2', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/22G/WH + SMKIT1A/24A/WH)	188.97	38.97
			For >50 To 100, Deduct	-6.19	
			For >100 To 250, Deduct	-10.91	
			For >250 To 500, Deduct	-18.90	
			For >500, Deduct	-26.88	
26 51 19 00-0515	EA		2' x 4', 32 Watt, 120-277 Volt, 3500K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD835/24G/WH + SMKIT1A/24A/WH)	234.01	45.41
			For >50 To 100, Deduct	-7.56	
			For >100 To 250, Deduct	-13.41	
			For >250 To 500, Deduct	-23.40	
			For >500, Deduct	-33.40	
26 51 19 00-0516	EA		2' x 4', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/24G/WH + SMKIT1A/24A/WH)	236.54	45.41
			For >50 To 100, Deduct	-7.62	
			For >100 To 250, Deduct	-13.53	
			For >250 To 500, Deduct	-23.65	
			For >500, Deduct	-33.78	
26 51 19 00-0517			Refrigeration/Display LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0518			Refrigeration/Display LED Fixtures (Lithonia) (26 51 19 00-0517)		
			Note: Fixtures exclude driver.		
26 51 19 00-0519	EA		5' Length, Center Mount, Refrigeration/Display, Vertical LED Fixture (Lithonia FSV5 CM)	250.59	45.41
			For >50 To 100, Deduct	-7.97	
			For >100 To 250, Deduct	-14.23	
			For >250 To 500, Deduct	-25.06	
			For >500, Deduct	-35.88	
26 51 19 00-0520	EA		5' Length, Left And Right Mount (Pair), Refrigeration/Display, Vertical LED Fixture (Lithonia FSVDRVL RLEM DLC)	328.38	80.38
			For >50 To 100, Deduct	-11.25	
			For >100 To 250, Deduct	-19.46	
			For >250 To 500, Deduct	-32.84	
			For >500, Deduct	-46.21	
26 51 19 00-0521	EA		Up To 5 Door Configuration, LED Driver For Refrigeration/Display, Vertical LED Fixtures (Lithonia FSVDRVL)	307.81	64.31
			For >50 To 100, Deduct	-10.13	
			For >100 To 250, Deduct	-17.83	
			For >250 To 500, Deduct	-30.78	
			For >500, Deduct	-43.74	
26 51 19 00-0522			Pendant Mount, LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0523			Pendant Mount, Circular Architectural LED Fixtures (Delray Lighting) (26 51 19 00-0522)		
26 51 19 00-0524	EA		2,166 Lumens, 2' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 W W35 S)	1,702.59	99.39
			For >50 To 100, Deduct	-46.71	
			For >100 To 250, Deduct	-89.27	
			For >250 To 500, Deduct	-170.26	
			For >500, Deduct	-251.25	
26 51 19 00-0525	EA		3,250 Lumens, 3' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 W W35 S)	2,552.61	105.23
			For >50 To 100, Deduct	-68.20	
			For >100 To 250, Deduct	-132.02	
			For >250 To 500, Deduct	-255.26	
			For >500, Deduct	-378.51	
26 51 19 00-0526	EA		4,333 Lumens, 4' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 W W35 S)	3,250.20	111.08
			For >50 To 100, Deduct	-85.88	
			For >100 To 250, Deduct	-167.14	
			For >250 To 500, Deduct	-325.02	
			For >500, Deduct	-482.90	
26 51 19 00-0527	EA		5,416 Lumens, 5' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 W W35 S)	4,100.22	116.93
			For >50 To 100, Deduct	-107.38	
			For >100 To 250, Deduct	-209.88	
			For >250 To 500, Deduct	-410.02	
			For >500, Deduct	-610.16	
26 51 19 00-0528	EA		2,166 Lumens, 2' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 S W35 S)	1,803.38	99.39
			For >50 To 100, Deduct	-49.23	
			For >100 To 250, Deduct	-94.31	
			For >250 To 500, Deduct	-180.34	
			For >500, Deduct	-266.37	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0529	EA		3,250 Lumens, 3' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 S W35 S)	2,686.15	105.23
			For >50 To 100, Deduct	-71.54	
			For >100 To 250, Deduct	-138.69	
			For >250 To 500, Deduct	-268.62	
			For >500, Deduct	-398.54	
26 51 19 00-0530	EA		4,333 Lumens, 4' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 S W35 S)	3,385.00	111.08
			For >50 To 100, Deduct	-89.25	
			For >100 To 250, Deduct	-173.88	
			For >250 To 500, Deduct	-338.50	
			For >500, Deduct	-503.12	
26 51 19 00-0531	EA		5,416 Lumens, 5' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 S W35 S)	4,251.39	116.93
			For >50 To 100, Deduct	-111.16	
			For >100 To 250, Deduct	-217.44	
			For >250 To 500, Deduct	-425.14	
			For >500, Deduct	-632.84	
26 51 19 00-0532			Pendant Mount, LED Commercial Fixtures (DMF) (26 51 19 00-0522)		
26 51 19 00-0533	EA		3,000 Lumens, 18-1/4" Diameter, Pendant Mount, LED Commercial Fixture (DMF DP610LED)	668.12	58.46
			For >50 To 100, Deduct	-19.14	
			For >100 To 250, Deduct	-35.84	
			For >250 To 500, Deduct	-66.81	
			For >500, Deduct	-97.78	
26 51 19 00-0534			LED Track Lighting Fixtures (26 51 19)		
26 51 19 00-0535	EA		19 Watt, Dimmable, LED Track Lighting Fixture (Juno® TRAC-MASTER® Cylindra™)	183.45	17.81
			For >50 To 100, Deduct	-5.25	
			For >100 To 250, Deduct	-9.84	
			For >250 To 500, Deduct	-18.35	
			For >500, Deduct	-26.85	
26 51 19 00-0536	EA		18 Watt, Dimmable, LED Track Lighting Fixture (HALO® Stasis L805MED)	319.98	17.81
			For >50 To 100, Deduct	-8.67	
			For >100 To 250, Deduct	-16.67	
			For >250 To 500, Deduct	-32.00	
			For >500, Deduct	-47.33	
26 51 19 00-0537	EA		24 Watt, Dimmable, LED Track Lighting Fixture (Amerlux CNTRV33)	188.63	17.81
			For >50 To 100, Deduct	-5.38	
			For >100 To 250, Deduct	-10.10	
			For >250 To 500, Deduct	-18.86	
			For >500, Deduct	-27.63	
26 51 23			HID Interior Lighting (26 51)		
26 51 23 00-0001			Large Interior Area Fixtures (26 51 23)		
26 51 23 00-0002			Recessed Mounted, Large Interior Area Fixtures (26 51 23 00-0001)		
			Note: Cast aluminum socket housing, anodized aluminum reflector, tempered glass or acrylic lens, plaster mounting frames and brackets.		
26 51 23 00-0003			High Pressure Sodium, Recessed Mounted, Large Interior Area Fixtures (26 51 23 00-0002)		
26 51 23 00-0004	EA		150 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	389.02	113.70
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
26 51 23 00-0005	EA		250 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	405.63	120.74
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
26 51 23 00-0006	EA		400 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	426.82	137.81
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
26 51 23 00-0007			Metal Halide, Recessed Mounted, Large Interior Area Fixtures (26 51 23 00-0002)		
26 51 23 00-0008	EA		150 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	394.23	113.70
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
26 51 23 00-0009	EA		250 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	408.04	120.74
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
26 51 23 00-0010	EA		400 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	434.31	137.81
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
26 51 23 00-0011			Low Bay Fixtures, Large Interior Area Fixtures (26 51 23 00-0001)		
			Note: Heavy duty steel housing, aluminum reflector, tempered glass or acrylic lens. Low bay fixtures are for mounting below 20-25 feet.		
26 51 23 00-0012			High Pressure Sodium, Low Bay Fixtures (26 51 23 00-0011)		



Electrical		26
Lighting		26 50
Interior Lighting		26 51

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0013 EA 150 Watt High Pressure Sodium, Low Bay Fixture For Wire Guard, Add For Enclosed And Gasketed, Add For Instant Quartz Restrike, Add For Glass Or Acrylic Reflector, Add	366.92 40.50 75.47 60.00 90.00	103.87
26 51 23 00-0014 EA 250 Watt High Pressure Sodium, Low Bay Fixture For Wire Guard, Add For Enclosed And Gasketed, Add For Instant Quartz Restrike, Add For Glass Or Acrylic Reflector, Add	377.91 40.50 75.47 60.00 90.00	110.30
26 51 23 00-0015 EA 400 Watt High Pressure Sodium, Low Bay Fixture For Wire Guard, Add For Enclosed And Gasketed, Add For Instant Quartz Restrike, Add For Glass Or Acrylic Reflector, Add	402.94 40.50 75.47 60.00 90.00	125.89
26 51 23 00-0016 Metal Halide, Low Bay Fixtures (26 51 23 00-0011)		
26 51 23 00-0017 EA 175 Watt Metal Halide, Low Bay Fixture For Wire Guard, Add For Enclosed And Gasketed, Add For Instant Quartz Restrike, Add For Glass Or Acrylic Reflector, Add	361.19 40.50 75.47 60.00 90.00	103.87
26 51 23 00-0018 EA 250 Watt Metal Halide, Low Bay Fixture For Wire Guard, Add For Enclosed And Gasketed, Add For Instant Quartz Restrike, Add For Glass Or Acrylic Reflector, Add	371.70 40.50 75.47 60.00 90.00	110.30
26 51 23 00-0019 EA 400 Watt Metal Halide, Low Bay Fixture For Wire Guard, Add For Enclosed And Gasketed, Add For Instant Quartz Restrike, Add For Glass Or Acrylic Reflector, Add	403.40 40.50 75.47 60.00 90.00	125.89
26 51 23 00-0020 High Bay Fixtures, Large Interior Area Fixtures (26 51 23 00-0001) Note: High bay fixtures are for mounting above 20-25 feet. See CSI section 01 22 23 00-0001 for lifts.		
26 51 23 00-0021 High Pressure Sodium, High Bay Fixtures (26 51 23 00-0020) Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 23 00-0022 EA 250 Watt High Pressure Sodium, High Bay Fixture For Wire Guard, Add For Instant Quartz Restrike, Add For Glass Or Acrylic Reflector, Add For Tempered Glass Or Acrylic Lens, Add For Polycarbonate Lens, Add For Security Chain, Add For Optical Safety Chain, Add For Ballast Safety Chain, Add	341.02 40.50 60.00 90.00 60.50 47.75 19.34 7.47 12.13	110.30
26 51 23 00-0023 EA 400 Watt High Pressure Sodium, High Bay Fixture For Wire Guard, Add For Instant Quartz Restrike, Add For Glass Or Acrylic Reflector, Add For Tempered Glass Or Acrylic Lens, Add For Polycarbonate Lens, Add For Security Chain, Add For Optical Safety Chain, Add For Ballast Safety Chain, Add	369.95 40.50 60.00 90.00 60.50 47.75 19.34 7.47 12.13	125.89
26 51 23 00-0024 EA 1,000 Watt High Pressure Sodium, High Bay Fixture For Wire Guard, Add For Instant Quartz Restrike, Add For Glass Or Acrylic Reflector, Add For Tempered Glass Or Acrylic Lens, Add For Polycarbonate Lens, Add For Security Chain, Add For Optical Safety Chain, Add For Ballast Safety Chain, Add	525.21 40.50 60.00 90.00 60.50 47.75 19.34 7.47 12.13	132.42
26 51 23 00-0025 Metal Halide, High Bay Fixtures (26 51 23 00-0020) Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 23 00-0026 EA 250 Watt Metal Halide, High Bay Fixture For Wire Guard, Add For Instant Quartz Restrike, Add For Glass Or Acrylic Reflector, Add For Tempered Glass Or Acrylic Lens, Add For Polycarbonate Lens, Add For Security Chain, Add For Optical Safety Chain, Add For Ballast Safety Chain, Add	317.48 40.50 60.00 90.00 60.50 47.75 19.34 7.47 12.13	110.30

26 Electrical
26 50 Lighting
26 51 Interior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0027 EA 400 Watt Metal Halide, High Bay Fixture	349.04	125.89
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Polycarbonate Lens, Add	47.75	
For Security Chain, Add	19.34	
For Optical Safety Chain, Add	7.47	
For Ballast Safety Chain, Add	12.13	
26 51 23 00-0028 EA 1,000 Watt Metal Halide, High Bay Fixture	449.68	132.42
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Polycarbonate Lens, Add	47.75	
For Security Chain, Add	19.34	
For Optical Safety Chain, Add	7.47	
For Ballast Safety Chain, Add	12.13	
26 51 23 00-0029 Induction, High Bay Fixtures (26 51 23 00-0020)		
26 51 23 00-0030 Induction, High Bay Fixtures (Everlast®) (26 51 23 00-0029)		
Note: Includes die cast aluminum ballast casing and acrylic lens.		
26 51 23 00-0031 EA 100 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	432.79	96.47
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0032 EA 120 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	464.65	99.68
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0033 EA 150 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	473.25	102.90
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0034 EA 200 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	516.28	106.11
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0035 EA 250 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	529.54	109.33
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0036 EA 100 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	465.37	96.47
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0037 EA 120 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	497.23	99.68
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0038 EA 150 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	505.83	102.90
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0039 EA 200 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	548.86	106.11
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0040 EA 250 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	562.12	109.33
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0041 Ceiling Mounted, Large Interior Area Fixtures (26 51 23 00-0001)		
Note: Heavy duty aluminum housing, aluminum reflector, acrylic drop dish lens, fully gasketed.		
26 51 23 00-0042 High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixtures (26 51 23 00-0041)		
26 51 23 00-0043 EA 100 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	283.25	73.92
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 23 00-0044 EA 150 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	461.74	73.92
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 23 00-0045 EA 250 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	528.69	73.92
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 23 00-0046 EA 400 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	702.30	73.92
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 23 00-0047 Metal Halide, Ceiling Mounted, Large Interior Area Fixtures (26 51 23 00-0041)		
26 51 23 00-0048 EA 100 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	295.90	73.92
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 23 00-0049 EA 175 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	314.74	82.03
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 23 00-0050 EA 250 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	335.57	88.85
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 23 00-0051 EA 400 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	371.28	105.81
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	



Electrical		26
Lighting		26 50
Interior Lighting		26 51

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0052		High Pressure Sodium, Recessed Fixture Housings (26 51 23)		
26 51 23 00-0053	EA	4" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing..... <i>For ICAT Housing, Add</i>	134.36 11.42	30.72
26 51 23 00-0054	EA	5" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing..... <i>For ICAT Housing, Add</i>	140.27 12.18	30.72
26 51 23 00-0055	EA	6" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing..... <i>For ICAT Housing, Add</i>	147.32 12.81	32.00
26 51 23 00-0056	EA	7" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing..... <i>For ICAT Housing, Add</i>	152.67 13.23	33.38
26 51 23 00-0057	EA	8" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing..... <i>For ICAT Housing, Add</i>	157.97 13.64	34.77
26 51 23 00-0058	EA	10" To 12" Square, High Pressure Sodium, T Or ICT Recessed Fixture Housing..... <i>For ICAT Housing, Add</i>	162.74 13.84	36.90
26 51 23 00-0059		Metal Halide Track Lighting Fixtures (26 51 23)		
26 51 23 00-0060	EA	Metal Halide Track Lighting Fixture.....	87.24	17.81
26 51 23 00-0061		Metal Halide, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 23)		
26 51 23 00-0062	EA	75 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... <i>For Wall Mounted, Add</i>	174.05 6.30	42.67
26 51 23 00-0063	EA	100 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... <i>For Wall Mounted, Add</i>	179.68 6.30	42.67
26 51 23 00-0064	EA	150 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... <i>For Wall Mounted, Add</i>	191.11 6.30	42.67
26 51 23 00-0065	EA	175 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... <i>For Wall Mounted, Add</i>	208.30 6.30	42.67
26 51 23 00-0066		High Pressure Sodium, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 23)		
26 51 23 00-0067	EA	70 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... <i>For Wall Mounted, Add</i>	160.65 6.67	42.67
26 51 23 00-0068	EA	100 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... <i>For Wall Mounted, Add</i>	167.64 6.67	42.67
26 51 23 00-0069	EA	150 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... <i>For Wall Mounted, Add</i>	194.67 6.67	42.67
26 51 33		Interior Lighting Accessories (26 51)		
26 51 33 00-0001		Accessories And Modifiers For Fixtures (26 51 33)		
26 51 33 00-0002		Lens Modifications (26 51 33 00-0001)		
26 51 33 00-0003	EA	For 1' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	24.00	
26 51 33 00-0004	EA	For 1' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	29.64	
26 51 33 00-0005	EA	For 2' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	31.06	
26 51 33 00-0006	EA	For 2' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	33.88	
26 51 33 00-0007	EA	For 4' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	40.94	
26 51 33 00-0008	EA	For 1' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	9.88	
26 51 33 00-0009	EA	For 1' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	14.12	
26 51 33 00-0010	EA	For 2' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	15.53	
26 51 33 00-0011	EA	For 2' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	18.35	
26 51 33 00-0012		Pendant Mounting Modifications (26 51 33 00-0001) Note: Per pendant. Use demolition cost for associated light fixture for demolition of pendant mounted light fixture assembly.		
26 51 33 00-0013	EA	For Pendant Mounting Up to 1'-6" Long Section..... Note: Per pendant.	10.73	
26 51 33 00-0014	EA	For Pendant Mounting 2' Long Section..... Note: Per pendant.	12.42	
26 51 33 00-0015	EA	For Pendant Mounting 3' Long Section..... Note: Per pendant.	15.89	
26 51 33 00-0016	EA	For Pendant Mounting 4' Long Section..... Note: Per pendant.	18.77	
26 51 33 00-0017	EA	For Pendant Mounting 6' Long Section..... Note: Per pendant.	23.71	
26 51 33 00-0018	EA	For Pendant Mounting 8' Long Section..... Note: Per pendant.	32.18	
26 51 33 00-0019		Fluorescent Light Accessories (26 51 33 00-0001)		
26 51 33 00-0020	EA	Blank Metal Light Box Plate.....	24.28	
26 51 33 00-0021	EA	Factory Installed Fixture Mounted Occupancy Sensor.....	108.68	

26 Electrical
26 50 Lighting
26 51 Interior Lighting



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 51 33 00-0022 Wire Guards (26 51 33 00-0001)

26 51 33 00-0023	EA	Wire Guard for 6" x 2' Fixture	48.43	5.34
26 51 33 00-0024	EA	Wire Guard for 6" x 4' Fixture	68.41	8.55
26 51 33 00-0025	EA	Wire Guard for 1" x 2' Fixture	54.02	5.88
26 51 33 00-0026	EA	Wire Guard for 1" x 4' Fixture	77.04	9.08
26 51 33 00-0027	EA	Wire Guard for 2" x 2' Fixture	65.66	6.41
26 51 33 00-0028	EA	Wire Guard for 2" x 4' Fixture	90.18	9.62

26 51 33 00-0029 Lighting Accessories (26 51 33)

26 51 33 00-0030 Modular Flexible Wiring Systems (26 51 33 00-0029)

26 51 33 00-0031	EA	10' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-10)	71.29	5.76
26 51 33 00-0032	EA	15' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-15)	82.10	5.76
26 51 33 00-0033	EA	20' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-20)	98.52	5.76
26 51 33 00-0034	EA	15' Length, 2-Circuit, Modular Lighting Cable (Day-Brite LC-27-2E-15)	82.10	5.76
26 51 33 00-0035	EA	3 Out, 3-Circuit, Modular Lighting Interface (Day-Brite LI-27-3E)	73.40	5.76
26 51 33 00-0036	EA	13' Length, 2-Circuit, Modular Reddy-Connect Cable (Day-Brite RC-27-2D-13)	106.45	5.76
26 51 33 00-0037	EA	3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-7M)	59.72	5.76
26 51 33 00-0038	EA	3" Length, 2-Circuit, Modular Lighting Tap (Day-Brite LT-27-2E)	67.03	5.76
26 51 33 00-0039	EA	7' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-07)	84.21	5.76
26 51 33 00-0040	EA	7' Length, 1-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-ML-07)	84.21	5.76
26 51 33 00-0041	EA	7' Length, 2-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-2C-07)	85.58	5.76
26 51 33 00-0042	EA	7' Length, 1st 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3A-07)	85.07	5.76
26 51 33 00-0043	EA	7' Length, 2nd 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3B-07)	85.07	5.76
26 51 33 00-0044	EA	15' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-15)	97.38	5.76
26 51 33 00-0045	EA	3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-4D)	46.19	5.76
26 51 33 00-0046	EA	3" Length, 1-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-1E)	43.32	5.76
26 51 33 00-0047	EA	3" Length, 2-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-2E)	44.32	5.76
26 51 33 00-0048	EA	3" Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E)	54.97	5.76
26 51 33 00-0049	EA	15' Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E-15)	71.29	5.76
26 51 33 00-0050	EA	15' Length, 1-Circuit, Modular Lighting Cable (Day-Brite LC-27-1E-15)	73.02	5.76
26 51 33 00-0051	EA	Modular Lighting Junction Or Circuit Splitter (Day-Brite LJ-27-3E)	57.61	5.76
26 51 33 00-0052	EA	3" Length, 1-Circuit, Modular Power Distribution Cable (Day-Brite PD-12-1E)	43.32	5.76
26 51 33 00-0053	EA	Removal And Reinstallation Of Modular Wiring Complete Including Storage And Cleaning	47.99	

26 51 33 00-0054 Additional Lighting Wire Whips (26 51 33)

26 51 33 00-0055	LF	For Each Additional LF Of Interior Lighting Wire Whip, Add	1.18	
Note: Wire whips are included with interior lighting fixtures, where necessary, up to six feet in length. Use this task for additional required whip length. For example, if the fixture requires a 15' wire whip then use 9 LF of this task to reach required length.				

26 51 33 00-0056 Removal And Reinstallation Of Light Fixtures (26 51 33)

Note: Includes disconnection of wire, on-site storage, general cleaning, installation and electrical wire hook-up.				
26 51 33 00-0057	EA	Removal And Reinstallation Of Lay-In Fluorescent Light Fixture	113.52	
26 51 33 00-0058	EA	Removal And Reinstallation Of Surface Mounted Or Pendant Light Fixture	129.73	

26 52 Safety Lighting (26 50)

26 52 13 Emergency and Exit Lighting (26 52)

26 52 13 13 Emergency Lighting (26 52 13)

26 52 13 13-0001 Commercial Emergency Lights (26 52 13 13)

26 52 13 13-0002 Polycarbonate Housing, Commercial Emergency Lights (26 52 13 13-0001)

Note: Includes lead-calcium batteries and two adjustable lamp heads.				
26 52 13 13-0003	EA	3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED)	171.73	26.67
26 52 13 13-0004	EA	10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2)	121.97	26.67
For Halogen Lamps, Add			27.55	
For Self-Diagnostics, Add			87.50	
26 52 13 13-0005	EA	18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618)	187.08	26.67
For Halogen Lamps, Add			27.55	
For Self-Diagnostics, Add			87.50	
26 52 13 13-0006	EA	27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627)	216.57	26.67
For Halogen Lamps, Add			27.55	
For Self-Diagnostics, Add			87.50	
26 52 13 13-0007	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654)	317.88	26.67
For Halogen Lamps, Add			27.55	
For Self-Diagnostics, Add			87.50	



		Electrical	26
		Lighting	26 50
		Safety Lighting	26 52
			26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0008	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254).....	359.01	26.67
		For Halogen Lamps, Add	27.55	
		For Self-Diagnostics, Add	87.50	
26 52 13 13-0009	EA	72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272).....	519.23	26.67
		For Halogen Lamps, Add	27.55	
		For Self-Diagnostics, Add	87.50	
26 52 13 13-0010		Remote Heads For Commercial Emergency Lights (26 52 13 13-0001) Note: For use with fixtures that have remote capability.		
26 52 13 13-0011	EA	6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606).....	115.42	16.00
26 52 13 13-0012	EA	6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606).....	116.16	16.00
26 52 13 13-0013	EA	8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806).....	118.64	16.00
26 52 13 13-0014	EA	12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212).....	118.24	16.00
26 52 13 13-0015	EA	12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212).....	102.97	16.00
26 52 13 13-0016	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	72.64	16.00
26 52 13 13-0017		Industrial Emergency Lights (26 52 13 13)		
26 52 13 13-0018		Painted Steel Housing, Industrial Emergency Lights (26 52 13 13-0017)		
26 52 13 13-0019		Painted Steel Housing, Industrial Emergency Lights (26 52 13 13-0018) Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13 13-0020	EA	16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16).....	295.50	26.67
		For Wireguard, Add	145.71	
26 52 13 13-0021	EA	24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24).....	249.49	26.67
		For Wireguard, Add	145.71	
26 52 13 13-0022	EA	36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36).....	383.96	26.67
		For Wireguard, Add	145.71	
26 52 13 13-0023	EA	50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50).....	407.17	26.67
		For Wireguard, Add	145.71	
26 52 13 13-0024	EA	125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125).....	577.37	26.67
		For Wireguard, Add	155.19	
26 52 13 13-0025	EA	275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275).....	902.96	26.67
		For Wireguard, Add	155.19	
26 52 13 13-0026		Remote Heads For Painted Steel Housing, Industrial Emergency Lights (26 52 13 13-0018) Note: For use with fixtures that have remote capability.		
26 52 13 13-0027	EA	8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806).....	90.12	16.00
		For Wireguard, Add	117.59	
26 52 13 13-0028	EA	12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	93.01	16.00
		For Wireguard, Add	117.59	
26 52 13 13-0029	EA	8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812).....	90.53	16.00
		For Wireguard, Add	117.59	
26 52 13 13-0030	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212).....	91.00	16.00
		For Wireguard, Add	117.59	
26 52 13 13-0031	EA	12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512).....	93.01	16.00
		For Wireguard, Add	117.59	
26 52 13 13-0032	EA	12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512).....	107.68	16.00
		For Wireguard, Add	117.59	
26 52 13 13-0033		Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights (26 52 13 13-0017)		
26 52 13 13-0034		Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights (26 52 13 13-0033) Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13 13-0035	EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618).....	291.80	26.67
		For Wireguard, Add	141.67	
		For Self-Diagnostics, Add	105.50	
26 52 13 13-0036	EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236).....	316.36	26.67
		For Wireguard, Add	141.67	
		For Self-Diagnostics, Add	105.50	

26 Electrical
26 50 Lighting
26 52 Safety Lighting



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0037	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654).....	309.63	26.67
		For Wireguard, Add	141.67	
		For Self-Diagnostics, Add	105.50	
26 52 13 13-0038	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254).....	326.78	26.67
		For Wireguard, Add	141.67	
		For Self-Diagnostics, Add	105.50	
26 52 13 13-0039	EA	100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100).....	544.07	26.67
		For Wireguard, Add	141.67	
		For Self-Diagnostics, Add	105.50	
26 52 13 13-0040	EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618).....	429.37	26.67
		For Wireguard, Add	141.67	
		For Self-Diagnostics, Add	61.50	
26 52 13 13-0041	EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236).....	479.83	26.67
		For Wireguard, Add	141.67	
		For Self-Diagnostics, Add	61.50	
26 52 13 13-0042	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254).....	505.39	26.67
		For Wireguard, Add	141.67	
		For Self-Diagnostics, Add	61.50	
26 52 13 13-0043		Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights (26 52 13 13-0039) Note: For use with fixtures that have remote capability.		
26 52 13 13-0044	EA	9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906).....	79.02	16.00
26 52 13 13-0045	EA	12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206).....	84.87	16.00
26 52 13 13-0046	EA	9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912).....	79.09	16.00
26 52 13 13-0047	EA	12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212).....	83.39	16.00
26 52 13 13-0048	EA	12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012).....	72.34	16.00
26 52 13 13-0049		Outdoor Emergency Lights (26 52 13 13)		
26 52 13 13-0050		Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights (26 52 13 13-0049) Note: Includes nickel-cadmium batteries.		
26 52 13 13-0051	EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series).....	453.93	26.67
26 52 13 13-0052	EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series).....	539.70	26.67
26 52 13 13-0053		Recessed Emergency Lights (26 52 13 13)		
26 52 13 13-0054	EA	10 Watt At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG).....	493.07	26.67
		For Wire Guard, Add	60.00	
26 52 13 13-0055	EA	16 Max Wattage At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2).....	402.80	53.33
		Note: Includes lead-calcium batteries and two adjustable lamp heads.		
		For Wireguard, Add	155.19	
26 52 13 13-0056	EA	50 Max Wattage At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4).....	569.03	53.33
		Note: Includes lead-calcium batteries and two adjustable lamp heads.		
		For Wireguard, Add	155.19	
26 52 13 13-0057		Square Wraparound Emergency Lights (26 52 13 13)		
26 52 13 13-0058	EA	10 Max Wattage At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ).....	230.89	26.67
26 52 13 16		Exit Signs (26 52 13) Note: Excludes pendants.		
26 52 13 16-0001		LED Exit Signs (26 52 13 16) Note: Includes red LED lamps.		
26 52 13 16-0002	EA	Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM).....	146.08	38.99
		For Green LED Lamps, Add	15.00	
		For >50 To 100, Deduct	-5.60	
		For >100 To 250, Deduct	-9.25	
		For >250 To 500, Deduct	-14.61	
		For >500, Deduct	-19.96	



		Electrical	26	26
		Lighting	26 50	
		Safety Lighting	26 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0003	EA		Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM)	146.08	38.99
			For Green LED Lamps, Add	15.00	
			For >50 To 100, Deduct	-5.60	
			For >100 To 250, Deduct	-9.25	
			For >250 To 500, Deduct	-14.61	
			For >500, Deduct	-19.96	
26 52 13 16-0004	EA		Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN).....	197.03	38.99
			For Green LED Lamps, Add	15.00	
			For Self-Diagnostics, Add	50.00	
			For >50 To 100, Deduct	-6.88	
			For >100 To 250, Deduct	-11.80	
			For >250 To 500, Deduct	-19.70	
			For >500, Deduct	-27.61	
26 52 13 16-0005	EA		Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN)	197.03	38.99
			For Green LED Lamps, Add	15.00	
			For Self-Diagnostics, Add	50.00	
			For >50 To 100, Deduct	-6.88	
			For >100 To 250, Deduct	-11.80	
			For >250 To 500, Deduct	-19.70	
			For >500, Deduct	-27.61	
26 52 13 16-0006	EA		Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC).....	215.23	38.99
			For Green LED Lamps, Add	15.00	
			For >50 To 100, Deduct	-7.33	
			For >100 To 250, Deduct	-12.71	
			For >250 To 500, Deduct	-21.52	
			For >500, Deduct	-30.34	
26 52 13 16-0007	EA		Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC).....	241.79	38.99
			For Green LED Lamps, Add	15.00	
			For >50 To 100, Deduct	-7.99	
			For >100 To 250, Deduct	-14.04	
			For >250 To 500, Deduct	-24.18	
			For >500, Deduct	-34.32	
26 52 13 16-0008	EA		Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN).....	204.13	38.99
			For Green LED Lamps, Add	15.00	
			For Self-Diagnostics, Add	50.00	
			For >50 To 100, Deduct	-7.05	
			For >100 To 250, Deduct	-12.16	
			For >250 To 500, Deduct	-20.41	
			For >500, Deduct	-28.67	
26 52 13 16-0009	EA		Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN)	223.41	38.99
			For Green LED Lamps, Add	15.00	
			For Self-Diagnostics, Add	50.00	
			For >50 To 100, Deduct	-7.53	
			For >100 To 250, Deduct	-13.12	
			For >250 To 500, Deduct	-22.34	
			For >500, Deduct	-31.56	
26 52 13 16-0010	EA		Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LQOM).....	261.39	38.99
			Note: Includes two circular side mounted krypton emergency lights.		
			For Green LED Lamps, Add	15.00	
			For >50 To 100, Deduct	-9.20	
			For >100 To 250, Deduct	-15.74	
			For >250 To 500, Deduct	-26.14	
			For >500, Deduct	-36.54	
26 52 13 16-0011	EA		Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LQOM LED).....	283.16	38.99
			Note: Includes two circular side mounted LED emergency lights.		
			For Green LED Lamps, Add	15.00	
			For >50 To 100, Deduct	-9.75	
			For >100 To 250, Deduct	-16.82	
			For >250 To 500, Deduct	-28.32	
			For >500, Deduct	-39.81	
26 52 13 16-0012	EA		Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH).....	321.69	38.99
			Note: Includes two rectangular front mounted high intensity tungsten emergency lights.		
			For Green LED Lamps, Add	15.00	
			For >50 To 100, Deduct	-10.71	
			For >100 To 250, Deduct	-18.75	
			For >250 To 500, Deduct	-32.17	
			For >500, Deduct	-45.59	
26 52 13 16-0013	EA		Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM).....	335.68	38.99
			Note: Includes two circular side mounted PAR 36 emergency lights.		
			For Green LED Lamps, Add	15.00	
			For >50 To 100, Deduct	-11.06	
			For >100 To 250, Deduct	-19.45	
			For >250 To 500, Deduct	-33.57	
			For >500, Deduct	-47.69	
26 52 13 16-0014	EA		Single Or Double Face, Polycarbonate Housing, LED Emergency Exit Sign (Eaton Lighting APX6R).....	103.17	38.99
			For >50 To 100, Deduct	-4.53	
			For >100 To 250, Deduct	-7.11	
			For >250 To 500, Deduct	-10.32	
			For >500, Deduct	-13.53	

26 Electrical
26 50 Lighting
26 52 Safety Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0015	EA		120-277 Volt, LED Emergency Exit Sign With Nickel Cadmium Battery, Red (Cooper Industries APX7R)	103.49	39.04
			For >50 To 100, Deduct	-4.54	
			For >100 To 250, Deduct	-7.12	
			For >250 To 500, Deduct	-10.35	
			For >500, Deduct	-13.57	
26 52 13 16-0016			Edge-Lit LED Exit Signs (26 52 13 16)		
			Note: Includes red LED lamps.		
26 52 13 16-0017	EA		Single Face, Edge-Lit LED Exit Sign	293.12	38.99
			For Green LED Lamps, Add	40.00	
			For >50 To 100, Deduct	-9.28	
			For >100 To 250, Deduct	-16.61	
			For >250 To 500, Deduct	-29.31	
			For >500, Deduct	-42.02	
26 52 13 16-0018	EA		Double Face, Edge-Lit LED Exit Sign	313.36	38.99
			For Green LED Lamps, Add	40.00	
			For >50 To 100, Deduct	-9.78	
			For >100 To 250, Deduct	-17.62	
			For >250 To 500, Deduct	-31.34	
			For >500, Deduct	-45.05	
26 52 13 16-0019	EA		Single Face, Edge-Lit LED Exit Sign With Battery Back-Up	355.61	38.99
			For Green LED Lamps, Add	40.00	
			For Self-Diagnostics, Add	50.00	
			For >50 To 100, Deduct	-10.84	
			For >100 To 250, Deduct	-19.73	
			For >250 To 500, Deduct	-35.56	
			For >500, Deduct	-51.39	
26 52 13 16-0020	EA		Double Face, Edge-Lit LED Exit Sign With Battery Back-Up	370.52	38.99
			For Green LED Lamps, Add	40.00	
			For Self-Diagnostics, Add	50.00	
			For >50 To 100, Deduct	-11.21	
			For >100 To 250, Deduct	-20.48	
			For >250 To 500, Deduct	-37.05	
			For >500, Deduct	-53.63	
26 52 13 16-0021			Self-Luminous Tritium Exit Signs (26 52 13 16)		
			Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.		
26 52 13 16-0022	EA		10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	392.80	38.99
			For >50 To 100, Deduct	-11.77	
			For >100 To 250, Deduct	-21.59	
			For >250 To 500, Deduct	-39.28	
			For >500, Deduct	-56.97	
26 52 13 16-0023	EA		10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	707.29	38.99
			For >50 To 100, Deduct	-19.63	
			For >100 To 250, Deduct	-37.31	
			For >250 To 500, Deduct	-70.73	
			For >500, Deduct	-104.14	
26 52 13 16-0024	EA		20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	464.44	38.99
			For >50 To 100, Deduct	-13.56	
			For >100 To 250, Deduct	-25.17	
			For >250 To 500, Deduct	-46.44	
			For >500, Deduct	-67.72	
26 52 13 16-0025	EA		20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	764.80	38.99
			For >50 To 100, Deduct	-21.07	
			For >100 To 250, Deduct	-40.19	
			For >250 To 500, Deduct	-76.48	
			For >500, Deduct	-112.77	
26 52 13 16-0026	EA		10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign	428.45	38.99
			For >50 To 100, Deduct	-12.66	
			For >100 To 250, Deduct	-23.37	
			For >250 To 500, Deduct	-42.85	
			For >500, Deduct	-62.32	
26 52 13 16-0027	EA		10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign	764.80	38.99
			For >50 To 100, Deduct	-21.07	
			For >100 To 250, Deduct	-40.19	
			For >250 To 500, Deduct	-76.48	
			For >500, Deduct	-112.77	
26 52 13 16-0028	EA		20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign	521.62	38.99
			For >50 To 100, Deduct	-14.99	
			For >100 To 250, Deduct	-28.03	
			For >250 To 500, Deduct	-52.16	
			For >500, Deduct	-76.29	
26 52 13 16-0029	EA		20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign	945.09	38.99
			For >50 To 100, Deduct	-25.58	
			For >100 To 250, Deduct	-49.20	
			For >250 To 500, Deduct	-94.51	
			For >500, Deduct	-139.81	

26 52 13 16-0030 **Vandal-Resistant LED Exit Signs** (26 52 13 16)

Note: Includes red LED lamps.



Electrical			26
Lighting			26 50
Safety Lighting			26 52

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0031	EA		Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign.....	371.61	38.99
			For >50 To 100, Deduct	-11.24	
			For >100 To 250, Deduct	-20.53	
			For >250 To 500, Deduct	-37.16	
			For >500, Deduct	-53.79	
26 52 13 16-0032	EA		Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup.....	566.35	38.99
			For >50 To 100, Deduct	-16.11	
			For >100 To 250, Deduct	-30.27	
			For >250 To 500, Deduct	-56.64	
			For >500, Deduct	-83.00	
26 52 13 16-0033	EA		Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup.....	685.76	38.99
			For >50 To 100, Deduct	-19.09	
			For >100 To 250, Deduct	-36.24	
			For >250 To 500, Deduct	-68.58	
			For >500, Deduct	-100.91	
26 52 13 16-0034			Remove And Reinstall Exit Light Fixture (26 52 13 16)		
26 52 13 16-0035	EA		Removal And Reinstall Of Exit Light Fixtures.....	80.00	
			Note: Includes storage and cleaning.		
			For >50 To 100, Deduct	-4.00	
			For >100 To 250, Deduct	-6.00	
			For >250 To 500, Deduct	-8.00	
			For >500, Deduct	-10.00	
26 52 13 16-0036			Exit Sign Accessories (26 52 13 16)		
26 52 13 16-0037	EA		Polycarbonate Vandal Shield For Exit Signs.....	88.63	10.69
			For >50 To 100, Deduct	-2.75	
			For >100 To 250, Deduct	-4.97	
			For >250 To 500, Deduct	-8.86	
			For >500, Deduct	-12.76	
26 52 13 16-0038	EA		Wire Guard For Exit Signs Or Emergency Lights.....	53.86	10.69
			For >50 To 100, Deduct	-1.88	
			For >100 To 250, Deduct	-3.23	
			For >250 To 500, Deduct	-5.39	
			For >500, Deduct	-7.54	
26 52 13 16-0039	EA		Wire Guard For Combination Exit Sign And Emergency Light.....	82.06	8.55
			For >50 To 100, Deduct	-2.48	
			For >100 To 250, Deduct	-4.53	
			For >250 To 500, Deduct	-8.21	
			For >500, Deduct	-11.88	
26 52 13 16-0040	EA		Removal And Replacement Of Battery For Exit Signs.....	89.88	
			For >50 To 100, Deduct	-2.92	
			For >100 To 250, Deduct	-5.16	
			For >250 To 500, Deduct	-8.99	
			For >500, Deduct	-12.81	
26 54			Classified Location Lighting (26 50)		
26 54 19			LED Classified Location Lighting (26 54)		
26 54 19 00-0001			Class I Division 2, Hazardous Location, LED Fixtures (26 54 19)		
26 54 19 00-0002			Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV) (26 54 19 00-0001)		
			Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0003	EA		5,183 Lumens, 45 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV5L).....	2,316.00	87.69
			For Bolt-On Visor, Add	89.03	
			For Bolt-On Wire Guard, Add	183.12	
			For 480 Volt, Add	156.78	
			For Warm White Color Rendering, Add	66.57	
			For >50 To 100, Deduct	-61.55	
			For >100 To 250, Deduct	-119.45	
			For >250 To 500, Deduct	-231.60	
			For >500, Deduct	-343.75	
26 54 19 00-0004	EA		7,095 Lumens, 62 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV7L).....	2,838.59	93.54
			For Bolt-On Visor, Add	89.03	
			For Bolt-On Wire Guard, Add	183.12	
			For 480 Volt, Add	156.78	
			For Warm White Color Rendering, Add	66.57	
			For >50 To 100, Deduct	-74.86	
			For >100 To 250, Deduct	-145.83	
			For >250 To 500, Deduct	-283.86	
			For >500, Deduct	-421.89	

26 Electrical**26 50 Lighting****26 54 Classified Location Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 19 00-0005	EA		9,132 Lumens, 79 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV9L).....	3,207.37	99.39
			For Bolt-On Visor, Add	89.03	
			For Bolt-On Wire Guard, Add	183.12	
			For 480 Volt, Add	156.78	
			For Warm White Color Rendering, Add	66.57	
			For >50 To 100, Deduct	-84.33	
			For >100 To 250, Deduct	-164.51	
			For >250 To 500, Deduct	-320.74	
			For >500, Deduct	-476.96	
26 54 19 00-0006	EA		11,107 Lumens, 99 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV11L).....	3,586.37	105.23
			For Bolt-On Visor, Add	89.03	
			For Bolt-On Wire Guard, Add	183.12	
			For 480 Volt, Add	156.78	
			For Warm White Color Rendering, Add	66.57	
			For >50 To 100, Deduct	-94.04	
			For >100 To 250, Deduct	-183.70	
			For >250 To 500, Deduct	-358.64	
			For >500, Deduct	-533.57	
26 54 19 00-0007			Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC) (26 54 19 00-0001) Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0008	EA		1,600 Lumens, 25 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC).....	1,365.23	81.85
			For 12/24 Volt DC Driver, Add	25.30	
			For Frosted Lens, Add	51.71	
			For Warm White Color Temperature LEDs, Add	66.57	
			For 55 Degree Ambient Suitability (AC Only) Option, Add	34.45	
			For Stanchion Mount, Add	213.31	
			For Ceiling Mount, Add	85.54	
			For Wall Mount, Add	124.86	
			For Teflon Coated Lens, Add	109.75	
			For Wall Mount With Junction Box, Add	182.31	
			For >50 To 100, Deduct	-37.54	
			For >100 To 250, Deduct	-71.67	
			For >250 To 500, Deduct	-136.52	
			For >500, Deduct	-201.37	
26 54 19 00-0009			Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV) (26 54 19 00-0001) Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0010	EA		3,240 Lumens, 47 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV3L).....	2,176.41	81.85
			For Ceiling Mount, Add	16.37	
			For Quick Clip Mounting Option, Add	24.05	
			For Frosted Lens, Add	51.71	
			For Warm White Color Rendering, Add	66.57	
			For Polycarbonate Lens, Add	95.84	
			For 480 Volt, Add	156.78	
			For >50 To 100, Deduct	-57.82	
			For >100 To 250, Deduct	-112.23	
			For >250 To 500, Deduct	-217.64	
			For >500, Deduct	-323.05	
26 54 19 00-0011	EA		3,778 Lumens, 63 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV5L).....	2,411.45	87.69
			For Ceiling Mount, Add	16.37	
			For Quick Clip Mounting Option, Add	24.05	
			For Frosted Lens, Add	51.71	
			For Warm White Color Rendering, Add	66.57	
			For Polycarbonate Lens, Add	95.84	
			For 480 Volt, Add	156.78	
			For >50 To 100, Deduct	-63.94	
			For >100 To 250, Deduct	-124.23	
			For >250 To 500, Deduct	-241.15	
			For >500, Deduct	-358.06	
26 54 19 00-0012	EA		6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV7L).....	2,703.01	93.54
			For Ceiling Mount, Add	16.37	
			For Quick Clip Mounting Option, Add	24.05	
			For Frosted Lens, Add	51.71	
			For Warm White Color Rendering, Add	66.57	
			For Polycarbonate Lens, Add	95.84	
			For 480 Volt, Add	156.78	
			For >50 To 100, Deduct	-71.47	
			For >100 To 250, Deduct	-139.05	
			For >250 To 500, Deduct	-270.30	
			For >500, Deduct	-401.55	



Electrical		26
Lighting		26 50
Classified Location Lighting		26 54

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 19 00-0013	EA	6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV9L).....	3,524.82	99.39
		For Ceiling Mount, Add	16.37	
		For Quick Clip Mounting Option, Add	24.05	
		For Frosted Lens, Add	51.71	
		For Warm White Color Rendering, Add	66.57	
		For Polycarbonate Lens, Add	95.84	
		For 480 Volt, Add	156.78	
		For >50 To 100, Deduct	-92.26	
		For >100 To 250, Deduct	-180.38	
		For >250 To 500, Deduct	-352.48	
		For >500, Deduct	-624.58	
26 54 19 00-0014	EA	9,720 Lumens, 137 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV11L).....	4,045.53	105.23
		For Ceiling Mount, Add	16.37	
		For Quick Clip Mounting Option, Add	24.05	
		For Frosted Lens, Add	51.71	
		For Warm White Color Rendering, Add	66.57	
		For Polycarbonate Lens, Add	95.84	
		For 480 Volt, Add	156.78	
		For >50 To 100, Deduct	-105.52	
		For >100 To 250, Deduct	-206.66	
		For >250 To 500, Deduct	-404.55	
		For >500, Deduct	-602.44	
26 54 19 00-0015		Class I Division 1, Explosion Proof, LED Fixtures (26 54 19)		
26 54 19 00-0016		Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL) (26 54 19 00-0016)		
		Note: Includes 5,600K CRI LED arrays, shatter resistant and explosion proof glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0017	EA	5,625 Lumens, 80 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL5L).....	3,090.48	87.69
		For Wall Mount, Deduct	-11.76	
		For Warm Color Temperature LEDs, Add	63.40	
		For Stainless Steel Guard, Add	113.80	
		For Ceiling Mount, Add	137.28	
		For Stanchion Mount, Add	159.77	
		For Yoke Mount, Add	399.42	
		For >50 To 100, Deduct	-80.92	
		For >100 To 250, Deduct	-158.18	
		For >250 To 500, Deduct	-309.05	
		For >500, Deduct	-459.92	
26 54 19 00-0018	EA	6,750 Lumens, 100 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL7L).....	3,756.45	93.54
		For Wall Mount, Deduct	-11.76	
		For Warm Color Temperature LEDs, Add	63.40	
		For Stainless Steel Guard, Add	113.80	
		For Ceiling Mount, Add	137.28	
		For Stanchion Mount, Add	159.77	
		For Yoke Mount, Add	399.42	
		For >50 To 100, Deduct	-97.81	
		For >100 To 250, Deduct	-191.72	
		For >250 To 500, Deduct	-375.65	
		For >500, Deduct	-559.57	
26 54 19 00-0019	EA	9,000 Lumens, 130 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL9L).....	4,362.85	99.39
		For Wall Mount, Deduct	-11.76	
		For Warm Color Temperature LEDs, Add	63.40	
		For Stainless Steel Guard, Add	113.80	
		For Ceiling Mount, Add	137.28	
		For Stanchion Mount, Add	159.77	
		For Yoke Mount, Add	399.42	
		For >50 To 100, Deduct	-113.21	
		For >100 To 250, Deduct	-222.28	
		For >250 To 500, Deduct	-436.29	
		For >500, Deduct	-650.29	
26 54 19 00-0020	EA	10,500 Lumens, 151 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL11L).....	4,980.38	105.23
		For Wall Mount, Deduct	-11.76	
		For Warm Color Temperature LEDs, Add	63.40	
		For Stainless Steel Guard, Add	113.80	
		For Ceiling Mount, Add	137.28	
		For Stanchion Mount, Add	159.77	
		For Yoke Mount, Add	399.42	
		For >50 To 100, Deduct	-128.89	
		For >100 To 250, Deduct	-253.40	
		For >250 To 500, Deduct	-498.04	
		For >500, Deduct	-742.67	

26 Electrical**26 50 Lighting****26 54 Classified Location Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 19 00-0021 EA 13,500 Lumens, 175 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL13L).....	5,769.68	101.33
For Wall Mount, Deduct	-11.76	
For Warm Color Temperature LEDs, Add	63.40	
For Stainless Steel Guard, Add	113.80	
For Ceiling Mount, Add	137.28	
For Stanchion Mount, Add	159.77	
For Yoke Mount, Add	399.42	
For >50 To 100, Deduct	-148.87	
For >100 To 250, Deduct	-293.11	
For >250 To 500, Deduct	-576.97	
For >500, Deduct	-860.82	
26 55 Special Purpose Lighting (26 50)		
26 55 13 Landscape Lighting (26 55)		
26 55 13 00-0001 Bollards (26 55 13) Note: Excludes concrete base.		
26 55 13 00-0002 Aluminum Architectural Bollards (26 55 13 00-0001)		
26 55 13 00-0003 High Pressure Sodium, Aluminum Architectural Bollards (26 55 13 00-0002)		
26 55 13 00-0004 Square, High Pressure Sodium, Aluminum Architectural Bollards (26 55 13 00-0003)		
26 55 13 00-0005 EA 24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,059.76	90.66
26 55 13 00-0006 EA 30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,070.42	95.99
26 55 13 00-0007 EA 36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,081.09	101.32
26 55 13 00-0008 EA 42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,006.93	106.66
26 55 13 00-0009 EA 24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,059.76	90.66
26 55 13 00-0010 EA 30" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,070.42	95.99
26 55 13 00-0011 EA 36" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,081.09	101.32
26 55 13 00-0012 EA 42" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,006.93	106.66
26 55 13 00-0013 EA 24" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,059.76	90.66
26 55 13 00-0014 EA 30" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,070.42	95.99
26 55 13 00-0015 EA 36" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,081.09	101.32
26 55 13 00-0016 EA 42" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,006.93	106.66
26 55 13 00-0017 EA 24" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,059.76	90.66
26 55 13 00-0018 EA 30" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,070.42	95.99
26 55 13 00-0019 EA 36" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,081.09	101.32
26 55 13 00-0020 EA 42" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,006.93	106.66
26 55 13 00-0021 Round, High Pressure Sodium, Aluminum Architectural Bollards (26 55 13 00-0003)		
26 55 13 00-0022 EA 24" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,020.81	90.66
26 55 13 00-0023 EA 30" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,031.47	95.99
26 55 13 00-0024 EA 36" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,042.14	101.32
26 55 13 00-0025 EA 42" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	967.63	106.66
26 55 13 00-0026 EA 24" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,020.81	90.66
26 55 13 00-0027 EA 30" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,031.47	95.99
26 55 13 00-0028 EA 36" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,042.14	101.32
26 55 13 00-0029 EA 42" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	967.63	106.66
26 55 13 00-0030 EA 24" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,020.81	90.66
26 55 13 00-0031 EA 30" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,031.47	95.99
26 55 13 00-0032 EA 36" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,042.14	101.32
26 55 13 00-0033 EA 42" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	967.63	106.66
26 55 13 00-0034 EA 24" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,020.81	90.66
26 55 13 00-0035 EA 30" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,031.47	95.99
26 55 13 00-0036 EA 36" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,042.14	101.32
26 55 13 00-0037 EA 42" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	967.63	106.66
26 55 13 00-0038 Metal Halide, Aluminum Architectural Bollards (26 55 13 00-0002)		
26 55 13 00-0039 Square, Metal Halide, Aluminum Architectural Bollards (26 55 13 00-0038)		
26 55 13 00-0040 EA 24" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,110.34	90.66
26 55 13 00-0041 EA 30" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,121.00	95.99
26 55 13 00-0042 EA 36" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,131.67	101.32
26 55 13 00-0043 EA 42" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,057.16	106.66
26 55 13 00-0044 EA 24" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,110.34	90.66
26 55 13 00-0045 EA 30" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,121.00	95.99
26 55 13 00-0046 EA 36" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,131.67	101.32
26 55 13 00-0047 EA 42" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,057.16	106.66
26 55 13 00-0048 EA 24" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,110.34	90.66
26 55 13 00-0049 EA 30" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,121.00	95.99
26 55 13 00-0050 EA 36" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,131.67	101.32
26 55 13 00-0051 EA 42" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,099.48	106.66
26 55 13 00-0052 Round, Metal Halide, Aluminum Architectural Bollards (26 55 13 00-0038)		
26 55 13 00-0053 EA 24" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,071.03	90.66
26 55 13 00-0054 EA 30" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,081.69	95.99



Electrical		26
Lighting		26 50
Special Purpose Lighting		26 55

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0055 EA 36" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,092.36	101.32
26 55 13 00-0056 EA 42" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,017.85	106.66
26 55 13 00-0057 EA 24" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,071.03	90.66
26 55 13 00-0058 EA 30" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,081.69	95.99
26 55 13 00-0059 EA 36" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,092.36	101.32
26 55 13 00-0060 EA 42" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,017.85	106.66
26 55 13 00-0061 EA 24" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,071.03	90.66
26 55 13 00-0062 EA 30" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,081.69	95.99
26 55 13 00-0063 EA 36" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,092.36	101.32
26 55 13 00-0064 EA 42" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,017.85	106.66
26 55 13 00-0065 Compact Fluorescent, Aluminum Architectural Bollards (26 55 13 00-0002)		
26 55 13 00-0066 Square, Compact Fluorescent, Aluminum Architectural Bollards (26 55 13 00-0065)		
26 55 13 00-0067 EA 24" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,055.32	90.66
26 55 13 00-0068 EA 30" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,065.98	95.99
26 55 13 00-0069 EA 36" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,076.65	101.32
26 55 13 00-0070 EA 42" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,003.30	106.66
26 55 13 00-0071 EA 24" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,055.32	90.66
26 55 13 00-0072 EA 30" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,065.98	95.99
26 55 13 00-0073 EA 36" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,076.65	101.32
26 55 13 00-0074 EA 42" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,003.30	106.66
26 55 13 00-0075 EA 24" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,055.32	90.66
26 55 13 00-0076 EA 30" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,065.98	95.99
26 55 13 00-0077 EA 36" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,076.65	101.32
26 55 13 00-0078 EA 42" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,003.30	106.66
26 55 13 00-0079 Round, Compact Fluorescent, Aluminum Architectural Bollards (26 55 13 00-0065)		
26 55 13 00-0080 EA 24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,016.87	90.66
26 55 13 00-0081 EA 30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,027.53	95.99
26 55 13 00-0082 EA 36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,038.20	101.32
26 55 13 00-0083 EA 42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	965.59	106.66
26 55 13 00-0084 EA 24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,016.87	90.66
26 55 13 00-0085 EA 30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,027.53	95.99
26 55 13 00-0086 EA 36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,038.20	101.32
26 55 13 00-0087 EA 42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	965.59	106.66
26 55 13 00-0088 EA 24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,016.87	90.66
26 55 13 00-0089 EA 30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,027.53	95.99
26 55 13 00-0090 EA 36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,038.20	101.32
26 55 13 00-0091 EA 42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	965.59	106.66
26 55 13 00-0092 LED, Aluminum Architectural Bollards (26 55 13 00-0002)		
26 55 13 00-0093 Square, LED, Aluminum Architectural Bollards (26 55 13 00-0092)		
26 55 13 00-0094 EA 24" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,254.97	90.66
26 55 13 00-0095 EA 30" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,265.63	95.99
26 55 13 00-0096 EA 36" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,276.30	101.32
26 55 13 00-0097 EA 42" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,204.00	106.66
26 55 13 00-0098 EA 24" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	1,522.64	90.66
26 55 13 00-0099 EA 30" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	1,533.30	95.99
26 55 13 00-0100 EA 36" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	1,543.97	101.32
26 55 13 00-0101 EA 42" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	1,470.34	106.66
26 55 13 00-0102 Round, LED, Aluminum Architectural Bollards (26 55 13 00-0092)		
26 55 13 00-0103 EA 24" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,215.04	90.66
26 55 13 00-0104 EA 30" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,225.70	95.99
26 55 13 00-0105 EA 36" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,236.37	101.32
26 55 13 00-0106 EA 42" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,162.75	106.66
26 55 13 00-0107 EA 24" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	1,482.71	90.66
26 55 13 00-0108 EA 30" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	1,493.37	95.99
26 55 13 00-0109 EA 36" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	1,504.04	101.32
26 55 13 00-0110 EA 42" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	1,430.89	106.66
26 55 13 00-0111 Reinforced Concrete Bollards (26 55 13 00-0001)		
26 55 13 00-0112 EA 48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard	1,135.95	266.65
26 55 13 00-0113 EA 58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard	1,941.84	355.50
26 55 13 00-0114 Low Voltage (26 55 13)		
26 55 13 00-0115 EA Low Voltage Recessed Uplight	637.68	194.12
26 55 13 00-0116 EA Low Voltage Walkway	438.21	106.66
26 55 13 00-0117 EA Low Voltage Malibu - 5 Light Set	448.35	142.39
26 55 13 00-0118 EA Low Voltage Mushroom 24" Pier	380.97	106.66

26	Electrical
26 50	Lighting
26 55	Special Purpose Lighting



MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0119	Recessed, Adjustable (26 55 13)				
26 55 13 00-0120	EA	150 Watt Incandescent Recessed, Adjustable	.....	721.56	170.66
26 55 13 00-0121	EA	300 Watt Incandescent Recessed, Adjustable	.....	782.89	170.66
26 55 13 00-0122	Recessed, Uplight (26 55 13)				
26 55 13 00-0123	EA	50 Watt Incandescent Recessed Uplight	.....	652.05	170.66
26 55 13 00-0124	EA	150 Watt Incandescent Recessed Uplight	.....	664.32	170.66
26 55 13 00-0125	EA	300 Watt Incandescent Recessed Uplight	.....	701.12	170.66
26 55 13 00-0126	EA	500 Watt Quartz Recessed Uplight	.....	697.03	170.66
26 55 13 00-0127	EA	5 Watt, LED Recessed Uplight	.....	829.83	170.66
26 55 13 00-0128	EA	15 Watt, LED Recessed Uplight	.....	904.39	170.66
26 55 13 00-0129	Recessed Wall Light (26 55 13)				
26 55 13 00-0130	EA	100 Watt Incandescent Recessed Wall Light	.....	344.17	106.66
26 55 13 00-0131	EA	100 Watt Fluorescent Recessed Wall Light	.....	331.91	106.66
26 55 13 00-0132	EA	100 Watt High Intensity Discharge (HID) Recessed Wall Light	.....	526.04	142.39
26 55 13 00-0133	Step Lights (26 55 13)				
26 55 13 00-0134	EA	Incandescent Step Light	.....	281.00	85.32
26 55 13 00-0135	EA	Fluorescent Step Light	.....	321.95	85.32
26 55 13 00-0136	EA	5 Watt, LED Step Light	.....	451.50	85.32
26 55 13 00-0137	EA	15 Watt, LED Step Light	.....	531.02	85.32
26 55 13 00-0138	Tree Lights, Surface Adjustable (26 55 13)				
26 55 13 00-0139	EA	50 Watt Incandescent Tree Lights	.....	579.19	142.39
26 55 13 00-0140	EA	100 Watt Incandescent Tree Lights	.....	591.46	142.39
26 55 13 00-0141	EA	150 Watt Incandescent Tree Lights	.....	753.74	213.33
26 55 16	Walkway Lighting (26 55)				
26 55 16 00-0001	Incandescent Walkway (26 55 16)				
26 55 16 00-0002	EA	Post Top 300 Watt Incandescent Walkway Fixture	.....	393.89	99.20
26 55 16 00-0003	Metal Halide Walkway (26 55 16)				
26 55 16 00-0004	EA	Post Top 100 Watt Metal Halide Walkway Fixture	.....	605.05	155.94
26 55 16 00-0005	EA	Post Top 150-175 Watt Metal Halide Walkway Fixture	.....	641.90	161.60
26 55 16 00-0006	EA	Post Top 250 Watt Metal Halide Walkway Fixture	.....	694.35	167.78
26 55 16 00-0007	EA	Post Top 400 Watt Metal Halide Walkway Fixture	.....	742.99	181.33
26 55 16 00-0008	EA	Round Luminaries 100 Watt Metal Halide Walkway Fixture	.....	660.18	167.78
26 55 16 00-0009	EA	Round Luminaries 150-175 Watt Metal Halide Walkway Fixture	.....	670.81	155.94
26 55 16 00-0010	EA	Round Luminaries 250 Watt Metal Halide Walkway Fixture	.....	682.94	161.60
26 55 16 00-0011	EA	Spherical 100 Watt Metal Halide Walkway Fixture	.....	546.98	111.14
26 55 16 00-0012	EA	Spherical 150-175 Watt Metal Halide Walkway Fixture	.....	581.16	111.14
26 55 16 00-0013	EA	Spherical 250 Watt Metal Halide Walkway Fixture	.....	615.35	111.14
26 55 16 00-0014	EA	Spherical 400 Watt Metal Halide Walkway Fixture	.....	694.80	125.11
26 55 16 00-0015	EA	Low Walkway 100 Watt Metal Halide Walkway Fixture	.....	524.51	99.83
26 55 16 00-0016	High Pressure Sodium Walkway (26 55 16)				
26 55 16 00-0017	EA	Post Top 100 Watt High Pressure Sodium Walkway Fixture	.....	540.92	155.94
26 55 16 00-0018	EA	Post Top 150-175 Watt High Pressure Sodium Walkway Fixture	.....	572.19	161.60
26 55 16 00-0019	EA	Post Top 250 Watt High Pressure Sodium Walkway Fixture	.....	615.84	167.78
26 55 16 00-0020	EA	Post Top 400 Watt High Pressure Sodium Walkway Fixture	.....	659.82	181.33
26 55 16 00-0021	EA	Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture	.....	589.13	167.78
26 55 16 00-0022	EA	Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture	.....	592.30	155.94
26 55 16 00-0023	EA	Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture	.....	604.25	161.60
26 55 16 00-0024	EA	Spherical 100 Watt High Pressure Sodium Walkway Fixture	.....	475.93	111.14
26 55 16 00-0025	EA	Spherical 175 150-Watt High Pressure Sodium Walkway Fixture	.....	502.64	111.14
26 55 16 00-0026	EA	Spherical 250 Watt High Pressure Sodium Walkway Fixture	.....	529.35	111.14
26 55 16 00-0027	EA	Spherical 400 Watt High Pressure Sodium Walkway Fixture	.....	597.58	125.11
26 55 16 00-0028	EA	Low Walkway 100 Watt High Pressure Sodium Walkway Fixture	.....	391.37	99.83
26 55 16 00-0029	Walkway, Adjustable (26 55 16)				
26 55 16 00-0030	EA	2' Fluorescent Adjustable Walkway Fixture	.....	571.53	142.39
26 55 16 00-0031	EA	4' Fluorescent Adjustable Walkway Fixture	.....	588.40	142.39
26 55 16 00-0032	EA	8' Fluorescent Adjustable Walkway Fixture	.....	1,022.59	213.33
26 55 16 00-0033	EA	50 Watt Incandescent Adjustable Walkway Fixture	.....	483.19	106.66
26 55 16 00-0034	EA	150 Watt Incandescent Adjustable Walkway Fixture	.....	505.68	106.66
26 55 16 00-0035	LED Walkway (26 55 16)				



Electrical		26
Lighting		26 50
Special Purpose Lighting		26 55

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 16 00-0036	LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) (26 55 16 00-0035) Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 16 00-0037	EA 13" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)..... For Multi-Level Drive Currents, Add	701.87 179.10	81.85
26 55 16 00-0038	EA 18" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)..... For Multi-Level Drive Currents, Add	723.62 179.10	81.85
26 55 16 00-0039	EA 36" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)..... For Multi-Level Drive Currents, Add	762.00 179.10	81.85
26 55 16 00-0040	EA 42" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)..... For Multi-Level Drive Currents, Add	791.42 179.10	81.85
26 55 16 00-0041	EA 96" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)..... For Multi-Level Drive Currents, Add	913.56 179.10	105.23
26 55 16 00-0042	Wall Mounted Walkway Lighting (26 55 16 00-0035)		
26 55 16 00-0043	EA Wall Mounted Lantern With LED Kit, No. PDEX-Bracket (Herwig P-492) Note: Type Fixture 17 as Post	2,932.88	
26 55 16 00-0044	Pole Mounted Walkway Lighting (26 55 16 00-0035)		
26 55 16 00-0045	EA 43-1/2" Height x 19" Diameter, LED Post Lantern (Herwig AP-27)	2,728.36	
26 55 16 00-0046	EA 12' Tapered and Fluted Post (Herwig BRA Series, BRAJ-12)..... Note: Washers and nuts included	2,680.37	
26 55 29	Underwater Lighting (26 55)		
26 55 29 00-0001	Underwater Lights (26 55 29)		
26 55 29 00-0002	EA 150 Watt, 120 Volt Underwater Lights	456.71	70.93
26 55 29 00-0003	EA 300 Watt, 120 Volt Underwater Lights	505.77	70.93
26 55 29 00-0004	EA 1,000 Watt, 120 Volt Underwater Lights.....	1,215.09	106.66
26 55 29 00-0005	EA 50 Watt, 12 Volt Underwater Lights	477.15	70.93
26 55 29 00-0006	EA 300 Watt, 12 Volt Underwater Lights	534.40	70.93
26 55 29 00-0007	SET Under Water Fountain Fixture, Set Of 6, 300 Watt, Incandescent	1,362.36	159.99
26 55 53	Security Lighting (26 55)		
26 55 53 11	Security Flood Lighting (26 55 53)		
26 55 53 11-0001	General Electric Powerflood® Flood Lights (26 55 53 11)		
26 55 53 11-0002	MPF (Small Size) Series GE Flood Lights (26 55 53 11-0001) Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.		
26 55 53 11-0003	High Pressure Sodium MPF Series GE Flood Lights (26 55 53 11-0002)		
26 55 53 11-0004	EA 70 Watt High Pressure Sodium MPF Series GE Flood Light	290.98	90.30
26 55 53 11-0005	EA 100 Watt High Pressure Sodium MPF Series GE Flood Light	293.19	90.30
26 55 53 11-0006	EA 150 Watt High Pressure Sodium MPF Series GE Flood Light	296.86	90.30
26 55 53 11-0007	Metal Halide MPF Series GE Flood Lights (26 55 53 11-0002)		
26 55 53 11-0008	EA 70 Watt Metal Halide MPF Series GE Flood Light	378.54	90.30
26 55 53 11-0009	P-154 (Small Size) Series GE Flood Lights (26 55 53 11-0001) Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0010	High Pressure Sodium P-154 Series GE Flood Lights (26 55 53 11-0009)		
26 55 53 11-0011	EA 70 Watt High Pressure Sodium P-154 Series GE Flood Light	557.95	120.40
26 55 53 11-0012	EA 100 Watt High Pressure Sodium P-154 Series GE Flood Light	560.89	120.40
26 55 53 11-0013	EA 150 Watt High Pressure Sodium P-154 Series GE Flood Light	566.05	120.40
26 55 53 11-0014	EA 250 Watt High Pressure Sodium P-154 Series GE Flood Light	624.18	120.40
26 55 53 11-0015	EA 400 Watt High Pressure Sodium P-154 Series GE Flood Light	641.10	120.40
26 55 53 11-0016	Metal Halide P-154 Series GE Flood Lights (26 55 53 11-0009)		
26 55 53 11-0017	EA 175 Watt Metal Halide P-154 Series GE Flood Light	552.80	120.40
26 55 53 11-0018	EA 250 Watt Metal Halide P-154 Series GE Flood Light	578.56	120.40
26 55 53 11-0019	EA 400 Watt Metal Halide P-154 Series GE Flood Light	591.80	120.40
26 55 53 11-0020	PF-154 (Medium Size) Series GE Flood Lights (26 55 53 11-0001) Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0021	High Pressure Sodium PF-154 Series GE Flood Lights (26 55 53 11-0020)		

26	Electrical
26 50	Lighting
26 55	Special Purpose Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0022 EA 70 Watt High Pressure Sodium PF-154 Series GE Flood Light	575.54	135.45
26 55 53 11-0023 EA 100 Watt High Pressure Sodium PF-154 Series GE Flood Light	579.22	135.45
26 55 53 11-0024 EA 150 Watt High Pressure Sodium PF-154 Series GE Flood Light	585.11	135.45
26 55 53 11-0025 EA 250 Watt High Pressure Sodium PF-154 Series GE Flood Light	642.50	135.45
26 55 53 11-0026 EA 400 Watt High Pressure Sodium PF-154 Series GE Flood Light	658.69	135.45
26 55 53 11-0027 Metal Halide PF-154 GE Flood Lights (26 55 53 11-0020)		
26 55 53 11-0028 EA 175 Watt Metal Halide PF-154 Series GE Flood Light	571.13	135.45
26 55 53 11-0029 EA 250 Watt Metal Halide PF-154 Series GE Flood Light	596.15	135.45
26 55 53 11-0030 EA 400 Watt Metal Halide PF-154 Series GE Flood Light	609.39	135.45
26 55 53 11-0031 PF-400 (Medium Size) Series GE Flood Lights (26 55 53 11-0001)		
Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0032 High Pressure Sodium PF-400 Series GE Flood Lights (26 55 53 11-0031)		
26 55 53 11-0033 EA 150 Watt High Pressure Sodium PF-400 Series GE Flood Light	749.20	135.45
26 55 53 11-0034 EA 200 Watt High Pressure Sodium PF-400 Series GE Flood Light	800.71	135.45
26 55 53 11-0035 EA 250 Watt High Pressure Sodium PF-400 Series GE Flood Light	797.03	135.45
26 55 53 11-0036 EA 400 Watt High Pressure Sodium PF-400 Series GE Flood Light	815.43	135.45
26 55 53 11-0037 Metal Halide PF-400 GE Flood Lights (26 55 53 11-0031)		
26 55 53 11-0038 EA 175 Watt Metal Halide PF-400 Series GE Flood Light	768.33	135.45
26 55 53 11-0039 EA 250 Watt Metal Halide PF-400 Series GE Flood Light	783.79	135.45
26 55 53 11-0040 EA 400 Watt Metal Halide PF-400 Series GE Flood Light	799.98	135.45
26 55 53 11-0041 PF-1000 (Large Size) Series GE Flood Lights (26 55 53 11-0001)		
Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0042 High Pressure Sodium PF-1000 Series GE Flood Lights (26 55 53 11-0041)		
26 55 53 11-0043 EA 750 Watt High Pressure Sodium PF-1000 Series GE Flood Light	999.32	150.50
26 55 53 11-0044 EA 1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light	999.32	150.50
26 55 53 11-0045 Metal Halide PF-1000 Series GE Flood Lights (26 55 53 11-0041)		
26 55 53 11-0046 EA 1,000 Watt Metal Halide PF-1000 Series GE Flood Light	956.64	150.50
26 55 53 11-0047 HLU/VLU (Medium Size) FRP Series GE Flood Lights (26 55 53 11-0001)		
Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0048 High Pressure Sodium HLU/VLU FRP Series GE Flood Lights (26 55 53 11-0047)		
26 55 53 11-0049 EA 250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	819.84	135.45
26 55 53 11-0050 EA 400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	833.83	135.45
26 55 53 11-0051 Metal Halide HLU/VLU Series GE Flood Lights (26 55 53 11-0047)		
26 55 53 11-0052 EA 400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light	827.94	135.45
26 55 53 11-0053 Accessories For Powerflood GE Flood Lights (26 55 53 11-0001)		
26 55 53 11-0054 EA Wireguard For Powerflood GE Flood Light	144.82	30.10
26 55 53 11-0055 EA Polycarbonate Vandal Shield For Powerflood GE Flood Light	90.37	30.10
26 55 53 11-0056 EA Top Visor For Powerflood Flood Light	124.22	30.10
26 55 53 11-0057 EA Top And Two Side Visors For Powerflood GE Flood Light	98.46	30.10
26 55 53 11-0058 EA Pipe Wall Mounting Bracket For Powerflood GE Flood Light	255.66	90.30
26 55 53 11-0059 EA Multiple Mounting Channel For Powerflood GE Flood Light	106.56	30.10
26 55 53 11-0060 EA Wall Or Flat Surface Bracket For Powerflood GE Flood Light	200.47	90.30
26 55 53 11-0061 EA Steel Angle Bracket For Powerflood GE Flood Light	207.09	90.30
26 55 53 11-0062 EA Cross Arm Adaptor For Powerflood GE Flood Light	83.75	30.10
26 55 53 11-0063 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light	81.54	30.10
26 55 53 11-0064 Lithonia Contour Series Flood Lights (26 55 53 11)		
26 55 53 11-0065 TFM (Small Size) Series Lithonia Flood Lights (26 55 53 11-0064)		
Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.		
26 55 53 11-0066 High Pressure Sodium TFM Series Lithonia Flood Lights (26 55 53 11-0065)		
26 55 53 11-0067 EA 70 Watt High Pressure Sodium TFM Series Lithonia Flood Light	518.77	120.40
26 55 53 11-0068 EA 100 Watt High Pressure Sodium TFM Series Lithonia Flood Light	561.26	120.40



Electrical		26	26
Lighting		26 50	
Special Purpose Lighting		26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0069 EA 150 Watt High Pressure Sodium TFM Series Lithonia Flood Light	602.87	120.40
26 55 53 11-0070 Metal Halide TFM Series Lithonia Flood Lights (26 55 53 11-0065)		
26 55 53 11-0071 EA 50 Watt Metal Halide TFM Series Lithonia Flood Light	654.79	120.40
26 55 53 11-0072 EA 70 Watt Metal Halide TFM Series Lithonia Flood Light	644.56	120.40
26 55 53 11-0073 EA 100 Watt Metal Halide TFM Series Lithonia Flood Light	628.08	120.40
26 55 53 11-0074 EA 175 Watt Metal Halide TFM Series Lithonia Flood Light	626.86	120.40
26 55 53 11-0075 Compact Fluorescent TFM Series Lithonia Flood Lights (26 55 53 11-0065)		
26 55 53 11-0076 EA 42 Watt Compact Fluorescent TFM Series Lithonia Flood Light	650.55	120.40
26 55 53 11-0077 TFL (Medium Size) Series Lithonia Flood Lights (26 55 53 11-0064) Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0078 High Pressure Sodium TFL Series Lithonia Flood Lights (26 55 53 11-0077)		
26 55 53 11-0079 EA 250 Watt High Pressure Sodium TFL Series Lithonia Flood Light	770.28	135.45
26 55 53 11-0080 EA 400 Watt High Pressure Sodium TFL Series Lithonia Flood Light	784.45	135.45
26 55 53 11-0081 Metal Halide TFL Series Lithonia Flood Lights (26 55 53 11-0077)		
26 55 53 11-0082 EA 175 Watt Metal Halide TFL Series Lithonia Flood Light	738.43	135.45
26 55 53 11-0083 EA 250 Watt Metal Halide TFL Series Lithonia Flood Light	738.43	135.45
26 55 53 11-0084 EA 400 Watt Metal Halide TFL Series Lithonia Flood Light	760.65	135.45
26 55 53 11-0085 TFR (Low Profile) Series Lithonia Flood Lights (26 55 53 11-0064) Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0086 High Pressure Sodium TFR Lithonia Flood Lights (26 55 53 11-0085)		
26 55 53 11-0087 EA 150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	733.11	120.40
26 55 53 11-0088 EA 250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	754.32	120.40
26 55 53 11-0089 EA 400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	772.04	120.40
26 55 53 11-0090 Metal Halide TFR Lithonia Flood Lights (26 55 53 11-0085)		
26 55 53 11-0091 EA 250 Watt Metal Halide TFR Series Lithonia Flood Light	726.02	120.40
26 55 53 11-0092 EA 400 Watt Metal Halide TFR Series Lithonia Flood Light	747.26	120.40
26 55 53 11-0093 TFA (Large Size) Series Lithonia Flood Lights (26 55 53 11-0064) Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0094 High Pressure Sodium TFA Series Lithonia Flood Lights (26 55 53 11-0093)		
26 55 53 11-0095 EA 1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light	1,381.05	150.50
26 55 53 11-0096 Metal Halide TFA Series Lithonia Flood Lights (26 55 53 11-0093)		
26 55 53 11-0097 EA 400 Watt Metal Halide TFA Series Lithonia Flood Light	1,080.04	150.50
26 55 53 11-0098 EA 1,000 Watt Metal Halide TFA Series Lithonia Flood Light	1,186.27	150.50
26 55 53 11-0099 Accessories For Contour Series Lithonia Flood Lights (26 55 53 11-0064)		
26 55 53 11-0100 EA Wireguard For Contour Series Lithonia Flood Light	126.97	30.10
26 55 53 11-0101 EA Vandal Guard For Contour Series Lithonia Flood Light	231.24	30.10
26 55 53 11-0102 EA Upper Visor For Contour Series Lithonia Flood Light	107.29	30.10
26 55 53 11-0103 EA Full Visor For Contour Series Lithonia Flood Light	139.16	30.10
26 55 53 11-0104 EA Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light	322.22	90.30
26 55 53 11-0105 EA Radius Wall Bracket For Contour Series Lithonia Flood Light	265.84	90.30
26 55 53 11-0106 EA Steel Angle Bracket For Contour Series Lithonia Flood Light	265.84	90.30
26 55 53 11-0107 EA U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe	288.33	90.30
26 55 53 11-0108 EA Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light	122.13	30.10
26 55 53 11-0109 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light	100.52	30.10
26 55 53 11-0110 Eaton Flood Lights (26 55 53 11)		
26 55 53 11-0111 EA 6" x 6", 16,932 Lumens, 128 Watt, LED Flood Light (Eaton NFFLD-C40-D-UNV-66-T-CB)	781.18	120.40
For NEMA Photocontrol Option (Eaton OA/RA1016), Add	38.13	
For >50 To 100, Deduct	-25.55	
For >100 To 250, Deduct	-45.08	
For >250 To 500, Deduct	-78.12	
For >500, Deduct	-111.16	

26 Electrical**26 50 Lighting****26 55 Special Purpose Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0112 EA 16,900 Lumens, 128 Watt, NEMA 6H x 6V Wide, Trunnion Mount, 4000K CCT, Night Falcon LED Flood Light With Multi-Tap (Cooper Industries NFFLD-C40-D-UNV-66-T-CB-PER7+OA/RA1016).....	961.97	132.29
For >50 To 100, Deduct	-30.66	
For >100 To 250, Deduct	-54.71	
For >250 To 500, Deduct	-96.20	
For >500, Deduct	-137.68	
26 55 53 11-0113 Ruud Flood Lights (26 55 53 11)		
26 55 53 11-0114 NS (Micro) Series Ruud Flood Lights (26 55 53 11-0113) Note: Provides conventional floodlighting. 1/2" threaded mounting knuckle.		
26 55 53 11-0115 High Pressure Sodium NS Series Ruud Flood Lights (26 55 53 11-0114)		
26 55 53 11-0116 EA 35 Watt High Pressure Sodium NS Series Ruud Flood Light.....	346.90	90.30
26 55 53 11-0117 EA 50 Watt High Pressure Sodium NS Series Ruud Flood Light.....	346.90	90.30
26 55 53 11-0118 EA 70 Watt High Pressure Sodium NS Series Ruud Flood Light.....	346.90	90.30
26 55 53 11-0119 EA 100 Watt High Pressure Sodium NS Series Ruud Flood Light.....	346.90	90.30
26 55 53 11-0120 EA 150 Watt High Pressure Sodium NS Series Ruud Flood Light.....	346.90	90.30
26 55 53 11-0121 Metal Halide NS Series Ruud Flood Lights (26 55 53 11-0114)		
26 55 53 11-0122 EA 50 Watt Metal Halide NS Series Ruud Flood Light.....	388.11	90.30
26 55 53 11-0123 EA 70 Watt Metal Halide NS Series Ruud Flood Light.....	388.11	90.30
26 55 53 11-0124 EA 100 Watt Metal Halide NS Series Ruud Flood Light.....	388.11	90.30
26 55 53 11-0125 Compact Fluorescent NS Series Ruud Flood Lights (26 55 53 11-0114)		
26 55 53 11-0126 EA 13 Watt Compact Fluorescent NS Series Ruud Flood Light.....	304.22	90.30
26 55 53 11-0127 EA 26 Watt Compact Fluorescent NS Series Ruud Flood Light.....	314.52	90.30
26 55 53 11-0128 EA 32 Watt Compact Fluorescent NS Series Ruud Flood Light.....	317.47	90.30
26 55 53 11-0129 EA 42 Watt Compact Fluorescent NS Series Ruud Flood Light.....	320.41	90.30
26 55 53 11-0130 NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights (26 55 53 11-0113) Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.		
26 55 53 11-0131 High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights (26 55 53 11-0130)		
26 55 53 11-0132 EA 150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light.....	532.86	135.45
26 55 53 11-0133 EA 250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light.....	559.35	135.45
26 55 53 11-0134 EA 400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light.....	574.07	135.45
26 55 53 11-0135 Metal Halide NSF/NSW/NSC Series Ruud Flood Lights (26 55 53 11-0130)		
26 55 53 11-0136 EA 175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light.....	526.98	135.45
26 55 53 11-0137 EA 250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light.....	529.92	135.45
26 55 53 11-0138 EA 400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light.....	538.75	135.45
26 55 53 11-0139 Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights (26 55 53 11-0130)		
26 55 53 11-0140 EA 70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light.....	516.67	135.45
26 55 53 11-0141 FS (Square) Series Ruud Flood Lights (26 55 53 11-0113) Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 55 53 11-0142 High Pressure Sodium FS Series Ruud Flood Lights (26 55 53 11-0141)		
26 55 53 11-0143 EA 250 Watt High Pressure Sodium FS Series Ruud Flood Light.....	610.86	135.45
26 55 53 11-0144 EA 400 Watt High Pressure Sodium FS Series Ruud Flood Light.....	613.81	135.45
26 55 53 11-0145 EA 1,000 Watt High Pressure Sodium FS Series Ruud Flood Light.....	1,000.06	150.50
26 55 53 11-0146 Metal Halide FS Series Ruud Flood Lights (26 55 53 11-0141)		
26 55 53 11-0147 EA 175 Watt Metal Halide FS Series Ruud Flood Light.....	610.86	135.45
26 55 53 11-0148 EA 250 Watt Metal Halide FS Series Ruud Flood Light.....	613.81	135.45
26 55 53 11-0149 EA 400 Watt Metal Halide FS Series Ruud Flood Light.....	622.64	135.45
26 55 53 11-0150 EA 1,000 Watt Metal Halide FS Series Ruud Flood Light.....	902.93	150.50
26 55 53 11-0151 MFS (Mini Square) Series Ruud Flood Lights (26 55 53 11-0113) Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 55 53 11-0152 High Pressure Sodium MFS Series Ruud Flood Lights (26 55 53 11-0151)		
26 55 53 11-0153 EA 35 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	486.57	120.40
26 55 53 11-0154 EA 50 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	517.48	120.40
26 55 53 11-0155 EA 70 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	517.48	120.40
26 55 53 11-0156 EA 100 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	517.48	120.40
26 55 53 11-0157 EA 150 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	517.48	120.40



Electrical		26
Lighting		26 50
Special Purpose Lighting		26 55

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0158 Metal Halide MFS Series Ruud Flood Lights (26 55 53 11-0151)		
26 55 53 11-0159 EA 50 Watt Metal Halide MFS Series Ruud Flood Light.....	527.78	120.40
26 55 53 11-0160 EA 70 Watt Metal Halide MFS Series Ruud Flood Light.....	527.78	120.40
26 55 53 11-0161 EA 100 Watt Metal Halide MFS Series Ruud Flood Light.....	527.78	120.40
26 55 53 11-0162 EA 175 Watt Metal Halide MFS Series Ruud Flood Light.....	511.59	120.40
26 55 53 11-0163 MCF/MPM/MPN (Mini Cutoff. Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights (26 55 53 11-0113)		
Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 55 53 11-0164 High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights (26 55 53 11-0163)		
26 55 53 11-0165 EA 35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	523.37	120.40
26 55 53 11-0166 EA 50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	554.27	120.40
26 55 53 11-0167 EA 70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	554.27	120.40
26 55 53 11-0168 EA 100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	554.27	120.40
26 55 53 11-0169 EA 150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	554.27	120.40
26 55 53 11-0170 Metal Halide MCF/MPM/MPN Series Ruud Flood Lights (26 55 53 11-0163)		
26 55 53 11-0171 EA 50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	564.57	120.40
26 55 53 11-0172 EA 70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	564.57	120.40
26 55 53 11-0173 EA 100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	564.57	120.40
26 55 53 11-0174 EA 175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	548.39	120.40
26 55 53 11-0175 CF (Cutoff Square) Series Ruud Flood Lights (26 55 53 11-0113)		
Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.		
26 55 53 11-0176 High Pressure Sodium CF Series Ruud Flood Lights (26 55 53 11-0175)		
26 55 53 11-0177 EA 250 Watt High Pressure Sodium CF Series Ruud Flood Light.....	680.03	135.45
26 55 53 11-0178 EA 400 Watt High Pressure Sodium CF Series Ruud Flood Light.....	694.75	135.45
26 55 53 11-0179 EA 1,000 Watt High Pressure Sodium CF Series Ruud Flood Light.....	1,036.85	150.50
26 55 53 11-0180 Metal Halide CF Series Ruud Flood Lights (26 55 53 11-0175)		
26 55 53 11-0181 EA 175 Watt Metal Halide CF Series Ruud Flood Light.....	647.66	135.45
26 55 53 11-0182 EA 250 Watt Metal Halide CF Series Ruud Flood Light.....	650.60	135.45
26 55 53 11-0183 EA 400 Watt Metal Halide CF Series Ruud Flood Light.....	659.43	135.45
26 55 53 11-0184 EA 1,000 Watt Metal Halide CF Series Ruud Flood Light.....	939.72	150.50
26 55 53 11-0185 CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights (26 55 53 11-0113)		
Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.		
26 55 53 11-0186 High Pressure Sodium CN Series Ruud Flood Lights (26 55 53 11-0185)		
26 55 53 11-0187 EA 400 High Pressure Sodium CN Series Ruud Flood Light.....	866.13	150.50
26 55 53 11-0188 EA 1,000 High Pressure Sodium CN Series Ruud Flood Light.....	1,019.19	150.50
26 55 53 11-0189 Metal Halide CN Series Ruud Flood Lights (26 55 53 11-0185)		
26 55 53 11-0190 EA 400 Watt Metal Halide CN Series Ruud Flood Light.....	830.81	150.50
26 55 53 11-0191 EA 1,000 Watt Metal Halide CN Series Ruud Flood Light.....	922.06	150.50
26 55 53 11-0192 PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights (26 55 53 11-0113)		
Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 55 53 11-0193 High Pressure Sodium PM/PN Series Ruud Flood Lights (26 55 53 11-0192)		
26 55 53 11-0194 EA 250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	700.64	135.45
26 55 53 11-0195 EA 400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	715.35	135.45
26 55 53 11-0196 Metal Halide PM/PN Series Ruud Flood Lights (26 55 53 11-0192)		
26 55 53 11-0197 EA 175 Watt Metal Halide PM/PN Series Ruud Flood Light.....	668.26	135.45
26 55 53 11-0198 EA 250 Watt Metal Halide PM/PN Series Ruud Flood Light.....	671.20	135.45
26 55 53 11-0199 EA 400 Watt Metal Halide PM/PN Series Ruud Flood Light.....	680.03	135.45
26 55 53 11-0200 EA 1,000 Watt Metal Halide PM/PN Series Ruud Flood Light.....	960.32	150.50
26 55 53 11-0201 Accessories For Ruud Flood Lighting (26 55 53 11-0113)		
26 55 53 11-0202 EA Wireguard For Ruud Flood Light.....	82.28	30.10
26 55 53 11-0203 EA Deep Baffle (Full Visor) For Ruud Flood Light.....	122.01	30.10
26 55 53 11-0204 EA Glare Guard (Upper Visor) For Ruud Flood Light.....	92.58	30.10
26 55 53 11-0205 EA Vandal Shield For Ruud Flood Light.....	107.29	30.10
26 55 53 11-0206 EA Pipe Mounting Bracket For Ruud Flood Light.....	230.64	90.30
26 55 53 11-0207 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light.....	73.45	30.10

26 Electrical**26 50 Lighting****26 55 Special Purpose Lighting**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0208		Lumark Flood Lights (26 55 53 11)		
26 55 53 11-0209		QZ Wedge Series Quartz Lumark Flood Lights (26 55 53 11-0208)		
		Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0210	EA	500 Watt QZ Wedge Series Quartz Lumark Flood Light.....	210.70	90.30
26 55 53 11-0211		LQL Series Quartz Lumark Flood Lights (26 55 53 11-0208)		
		Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0212	EA	1,500 Watt LQL Series Quartz Lumark Flood Light.....	254.11	90.30
26 55 53 11-0213		Kim Lighting (26 55 53 11)		
26 55 53 11-0214		MicroFlood® Series Kim Lighting Flood Lights (26 55 53 11-0213)		
		Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0215		LED MicroFlood® Series Kim Lighting Flood Lights (26 55 53 11-0214)		
26 55 53 11-0216	EA	5 Watt, LED MicroFlood® Series Kim Lighting Flood Light.....	364.52	37.40
		For >50 To 100, Deduct	-10.98	
		For >100 To 250, Deduct	-20.10	
		For >250 To 500, Deduct	-36.45	
		For >500, Deduct	-52.81	
26 55 53 11-0217	EA	15 Watt, LED MicroFlood® Series Kim Lighting Flood Light.....	446.18	37.40
		For >50 To 100, Deduct	-13.02	
		For >100 To 250, Deduct	-24.18	
		For >250 To 500, Deduct	-44.62	
		For >500, Deduct	-65.06	
26 55 53 11-0218		Scarab® Series Kim Lighting Flood Lights (26 55 53 11-0213)		
		Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0219		LED Scarab® Series Kim Lighting Accent Flood Lights (26 55 53 11-0218)		
		Note: Spot or narrow style accent flood lights.		
26 55 53 11-0220	EA	6 Watt, LED Scarab® Series Kim Lighting Accent Flood Light.....	546.62	37.40
		For >50 To 100, Deduct	-15.54	
		For >100 To 250, Deduct	-29.20	
		For >250 To 500, Deduct	-54.66	
		For >500, Deduct	-80.12	
26 55 53 11-0221		CREE® BetaLED® Flood Lights (26 55 53 11)		
26 55 53 11-0222		Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304) (26 55 53 11-0221)		
		Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0223	EA	40 LEDs, 47 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	917.56	108.24
		For >50 To 100, Deduct	-28.35	
		For >100 To 250, Deduct	-51.29	
		For >250 To 500, Deduct	-91.76	
		For >500, Deduct	-132.22	
26 55 53 11-0224	EA	60 LEDs, 68 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	1,003.77	114.25
		For >50 To 100, Deduct	-30.81	
		For >100 To 250, Deduct	-55.90	
		For >250 To 500, Deduct	-100.38	
		For >500, Deduct	-144.85	
26 55 53 11-0225		Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG) (26 55 53 11-0221)		
		Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0226	EA	20 LEDs, 26 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	799.34	102.22
		For 480 Volt, Add	68.64	
		For >50 To 100, Deduct	-25.10	
		For >100 To 250, Deduct	-45.08	
		For >250 To 500, Deduct	-79.93	
		For >500, Deduct	-114.79	
26 55 53 11-0227	EA	40 LEDs, 47 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	999.43	108.24
		For 480 Volt, Add	68.64	
		For >50 To 100, Deduct	-30.40	
		For >100 To 250, Deduct	-55.38	
		For >250 To 500, Deduct	-99.94	
		For >500, Deduct	-144.50	
26 55 53 11-0228	EA	60 LEDs, 68 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,199.50	114.25
		For 480 Volt, Add	68.64	
		For >50 To 100, Deduct	-35.70	
		For >100 To 250, Deduct	-65.69	
		For >250 To 500, Deduct	-119.95	
		For >500, Deduct	-174.21	



		Electrical	26
		Lighting	26 50
		Special Purpose Lighting	26 55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0229	EA	80 LEDs, 90 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)..... <i>For 480 Volt, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	1,475.07 68.64 -42.89 -79.77 -147.51 -215.25	120.27
26 55 53 11-0230	EA	100 LEDs, 111 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)..... <i>For 480 Volt, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	1,675.16 68.64 -48.19 -90.07 -167.52 -244.96	126.28
26 55 53 11-0231	EA	120 LEDs, 132 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)..... <i>For 480 Volt, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	1,875.25 68.64 -53.50 -100.38 -187.53 -274.67	132.29
26 55 53 11-0232	EA	140 LEDs, 157 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)..... <i>For 480 Volt, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	2,135.47 68.64 -60.30 -113.69 -213.55 -313.41	138.31
26 55 53 11-0233	EA	160 LEDs, 179 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)..... <i>For 480 Volt, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	2,335.56 68.64 -65.61 -123.99 -233.56 -343.12	144.32
26 55 53 11-0234		Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO) <small>(26 55 53 11-0221)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0235	EA	120 LEDs, 267 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)..... <i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i> <i>For Bird Spikes, Add</i> <i>For 5,000K Color Temperature, Add</i> <i>For Fuse, Add</i> <i>For 0 To 10 Volt Dimming, Add</i> <i>For 480 Volt, Add</i> <i>For Multi-Level, Add</i> <i>For 1,000mA Driver, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	1,799.77 15.08 37.00 37.72 45.26 45.26 67.90 98.07 126.74 -51.61 -96.60 -179.98 -263.35	132.29
26 55 53 11-0236	EA	240 LEDs, 533 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)..... <i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i> <i>For 5,000K Color Temperature, Add</i> <i>For Fuse, Add</i> <i>For 0 To 10 Volt Dimming, Add</i> <i>For Bird Spikes, Add</i> <i>For Multi-Level, Add</i> <i>For 1,000mA Driver, Add</i> <i>For 480 Volt, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	3,032.29 15.08 37.72 45.26 45.26 54.27 98.07 126.74 135.79 -83.93 -159.73 -303.23 -446.73	162.37
26 55 53 11-0237		Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™) <small>(26 55 53 11-0221)</small> Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		

26 Electrical**26 50 Lighting****26 55 Special Purpose Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0238	EA		112 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL).....	1,072.58	132.29
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
			For Front Facing Optics, Back Light Shield, Add	29.07	
			For Rotated Optics, Back Light Shield, Add	29.07	
			For Field Adjustable Output, Add	22.64	
			For Fuse, Add	45.26	
			For 0 To 10 Volt Dimming, Add	45.26	
			For Multi-Level, Add	98.07	
			For >50 To 100, Deduct	-33.43	
			For >100 To 250, Deduct	-60.24	
			For >250 To 500, Deduct	-107.26	
			For >500, Deduct	-154.27	
26 55 53 11-0239	EA		168 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL).....	1,143.88	132.29
			Note: Type III, IV or V medium optics only.		
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
			For Front Facing Optics, Back Light Shield, Add	29.07	
			For Rotated Optics, Back Light Shield, Add	29.07	
			For Field Adjustable Output, Add	22.64	
			For Fuse, Add	45.26	
			For 0 To 10 Volt Dimming, Add	45.26	
			For Type II Medium Or Type V Short Optics, Add	134.65	
			For Multi-Level, Add	98.07	
			For >50 To 100, Deduct	-35.21	
			For >100 To 250, Deduct	-63.81	
			For >250 To 500, Deduct	-114.39	
			For >500, Deduct	-164.97	
26 55 53 11-0240	EA		223 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL).....	1,465.41	162.37
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
			For Field Adjustable Output, Add	22.64	
			For Front Facing Optics, Back Light Shield, Add	35.25	
			For Rotated Optics, Back Light Shield, Add	35.25	
			For Fuse, Add	45.26	
			For 0 To 10 Volt Dimming, Add	45.26	
			For Multi-Level, Add	98.07	
			For >50 To 100, Deduct	-44.75	
			For >100 To 250, Deduct	-81.39	
			For >250 To 500, Deduct	-146.54	
			For >500, Deduct	-211.69	
26 55 53 11-0241			PlanLED Flood Lights (26 55 53 11)		
26 55 53 11-0242			Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA) (26 55 53 11-0241)		
26 55 53 11-0243	EA		6,250 Lumens, 50 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050).....	480.43	108.24
			For >50 To 100, Deduct	-17.42	
			For >100 To 250, Deduct	-29.43	
			For >250 To 500, Deduct	-48.04	
			For >500, Deduct	-66.65	
26 55 53 11-0244	EA		9,375 Lumens, 75 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075).....	566.89	114.25
			For >50 To 100, Deduct	-19.88	
			For >100 To 250, Deduct	-34.06	
			For >250 To 500, Deduct	-56.69	
			For >500, Deduct	-79.32	
26 55 53 11-0245	EA		12,500 Lumens, 100 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100).....	649.91	123.27
			For >50 To 100, Deduct	-22.41	
			For >100 To 250, Deduct	-38.66	
			For >250 To 500, Deduct	-64.99	
			For >500, Deduct	-91.32	
26 55 53 11-0246			Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA) (26 55 53 11-0241)		
26 55 53 11-0247	EA		21,000 Lumens, 200 Watt, LED Sports Flood Light (PlanLED SUFA SF200).....	1,313.51	240.53
			For 0 To 10 Volt Dimming, Add	57.98	
			For >50 To 100, Deduct	-44.86	
			For >100 To 250, Deduct	-77.70	
			For >250 To 500, Deduct	-131.35	
			For >500, Deduct	-185.00	
26 55 53 11-0248	EA		42,000 Lumens, 400 Watt, LED Sports Flood Light (PlanLED SUFA SF400).....	1,969.98	240.53
			For 0 To 10 Volt Dimming, Add	57.98	
			For >50 To 100, Deduct	-61.28	
			For >100 To 250, Deduct	-110.53	
			For >250 To 500, Deduct	-197.00	
			For >500, Deduct	-283.47	
26 55 53 11-0249	EA		84,000 Lumens, 800 Watt, LED Sports Flood Light (PlanLED SUFA SF800).....	3,383.09	240.53
			For 0 To 10 Volt Dimming, Add	57.98	
			For >50 To 100, Deduct	-96.60	
			For >100 To 250, Deduct	-181.18	
			For >250 To 500, Deduct	-338.31	
			For >500, Deduct	-495.44	
26 55 53 11-0250			Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA) (26 55 53 11-0241)		



Electrical		26
Lighting		26 50
Special Purpose Lighting		26 55

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0251 EA 26,000 Lumens, 200 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200)	1,134.30	156.35
For 0 To 10 Volt Dimming, Add	57.98	
For 480 Volt, Add	-22.99	
For >50 To 100, Deduct	-36.17	
For >100 To 250, Deduct	-64.53	
For >250 To 500, Deduct	-113.43	
For >500, Deduct	-162.33	
26 55 53 11-0252 EA 39,000 Lumens, 300 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300)	1,433.28	162.37
For 0 To 10 Volt Dimming, Add	57.98	
For 480 Volt, Add	69.90	
For >50 To 100, Deduct	-43.95	
For >100 To 250, Deduct	-79.78	
For >250 To 500, Deduct	-143.33	
For >500, Deduct	-206.87	
26 55 53 11-0253 EA 52,000 Lumens, 400 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400)	1,809.42	168.37
For 0 To 10 Volt Dimming, Add	57.98	
For 480 Volt, Add	56.12	
For >50 To 100, Deduct	-53.65	
For >100 To 250, Deduct	-98.89	
For >250 To 500, Deduct	-180.94	
For >500, Deduct	-262.99	
26 55 53 12 Security Hazardous Location Flood Lights (26 55 53)		
Note: For general to heavy industrial applications in marine and corrosive environments. Class 1 Division 2.		
26 55 53 12-0001 Lithonia Hazardous Location Flood Lights (26 55 53 12)		
26 55 53 12-0002 HFR (Horizontally Oriented Mogul Base) Series Hazardous Location Flood Lights (26 55 53 12-0001)		
Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0003 High Pressure Sodium HFR Series Hazardous Location Flood Lights (26 55 53 12-0002)		
26 55 53 12-0004 EA 150 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	726.92	120.40
26 55 53 12-0005 EA 250 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	772.54	120.40
26 55 53 12-0006 EA 400 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	728.39	120.40
26 55 53 12-0007 Metal Halide HFR Series Lithonia Hazardous Location Flood Lights (26 55 53 12-0002)		
26 55 53 12-0008 EA 250 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	767.67	120.40
26 55 53 12-0009 EA 400 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	746.05	120.40
26 55 53 12-0010 HFM (Medium Base) Series Hazardous Location Flood Lights (26 55 53 12-0001)		
Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0011 High Pressure Sodium HFM Series Lithonia Hazardous Location Flood Lights (26 55 53 12-0010)		
26 55 53 12-0012 EA 100 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	695.56	120.40
26 55 53 12-0013 EA 150 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	722.78	120.40
26 55 53 12-0014 Metal Halide HFM Series Lithonia Hazardous Location Flood Lights (26 55 53 12-0010)		
26 55 53 12-0015 EA 175 Watt Metal Halide HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	621.97	120.40
26 55 53 12-0016 HFA (Large) Series Hazardous Location Flood Lights (26 55 53 12-0001)		
Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0017 High Pressure Sodium HFA Series Lithonia Hazardous Location Flood Lights (26 55 53 12-0016)		
26 55 53 12-0018 EA 250 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	973.57	150.50
26 55 53 12-0019 EA 400 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	986.81	150.50
26 55 53 12-0020 Metal Halide HFA Series Lithonia Hazardous Location Flood Lights (26 55 53 12-0016)		
26 55 53 12-0021 EA 250 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	969.15	150.50
26 55 53 12-0022 EA 400 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	986.81	150.50
26 55 53 12-0023 HFL (Medium) Series Hazardous Location Flood Lights (26 55 53 12-0001)		
Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0024 High Pressure Sodium HFL Series Lithonia Hazardous Location Flood Lights (26 55 53 12-0023)		

26 Electrical**26 50 Lighting****26 55 Special Purpose Lighting**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 12-0025	EA	400 Watt High Pressure Sodium HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	734.49	135.45	
26 55 53 12-0026		Metal Halide HFL Series Lithonia Hazardous Location Flood Lights (26 55 53 12-0023)			
26 55 53 12-0027	EA	400 Watt Metal Halide HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	786.00	135.45	
26 55 53 12-0028		Accessories For Lithonia Hazardous Location Flood Lights (26 55 53 12-0001) See CSI section 26 55 53 11-0099 for accessories.			
26 55 53 13		Security High Performance Flood Lights (26 55 53) Note: For airport aprons and parking areas.			
26 55 53 13-0001		Lithonia High Performance Flood Lights (26 55 53 13)			
26 55 53 13-0002		170S Series Lithonia High Performance Flood Lights (26 55 53 13-0001) Note: Die-cast aluminum housing welded seams, stainless steel hardware, corrosion resistant polyester powder finish, and thermal and shock resistant flat lens.			
26 55 53 13-0003		High Pressure Sodium 170S Series Lithonia High Performance Flood Lights (26 55 53 13-0002)			
26 55 53 13-0004	EA	250 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,640.11	180.60	
26 55 53 13-0005	EA	400 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,760.79	180.60	
26 55 53 13-0006	EA	750 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,766.67	180.60	
26 55 53 13-0007	EA	1,000 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,950.64	180.60	
26 55 53 13-0008		Metal Halide 170S Series Lithonia High Performance Flood Lights (26 55 53 13-0002)			
26 55 53 13-0009	EA	320 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,874.11	180.60	
26 55 53 13-0010	EA	350 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,792.50	180.60	
26 55 53 13-0011	EA	400 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,715.16	180.60	
26 55 53 13-0012	EA	1,000 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,791.69	180.60	
26 55 53 13-0013		Accessories For Lithonia High Performance Flood Lights (26 55 53 13-0002) See CSI section 26 55 53 11-0099 for accessories.			
26 55 61		Theatrical Lighting (26 55)			
26 55 61 00-0001		Stage Lighting (26 55 61)			
26 55 61 00-0002	EA	Ellipsoidal Spotlight, Two 6" x 9" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20A, 3W ground, male pin connector and high performance lamp.	464.23	129.59	
26 55 61 00-0003	EA	Ellipsoidal Spotlight, Two 6" x 12" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20A, 3W ground, male pin connector and high performance lamp.	464.23	129.59	
26 55 61 00-0004	EA	Ellipsoidal Spotlight, Two 6" x 16" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20A, 3W ground, male pin connector and high performance lamp.	464.23	129.59	
26 55 61 00-0005	EA	14" Scoop Floodlight Altman #SC14	477.19	129.59	
26 55 61 00-0006	EA	6" Diameter Fresnel Spotlight, Spherical Specular Alzak Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, c-clamp, safety cable, color frame, male pin connector and lamp.	342.41	129.59	
26 55 61 00-0007	EA	8" Diameter Fresnel Spotlight, Spherical Specular Alzak Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, C-clamp, safety cable, color frame, male pin connector and lamp.	529.87	129.59	
26 55 61 00-0008	EA	Follow Spotlight With Steel Chassis And Lightweight Note: Aluminum housing, includes lamp adjustment plate, silent lamp fan, dowsers, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.	1,492.93	129.59	
26 55 61 00-0009	EA	Follow Spotlight With Steel Chassis And Lightweight Note: Aluminum housing, includes lamp adjustment plate, ballast, electronic power supply, stepdown transformer, silent lamp fan, dowsers, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.	1,788.00	129.59	
26 55 61 00-0010	EA	PAR 64 Can Lighting With 20 Gauge Sheet Steel Note: Formed lamp housing, hinged and latched rear housing secured by retention ring, safety cable, safety screen, PAR 64 lamp, male pin connector.	296.32	129.59	
26 55 61 00-0011	EA	6' Long Borderlight Sections Note: With continuous sheet steel housing, supported by 1-1/2" x 3/16" steel yoke with C-clamp, includes 30 lights per section wired on 3 circuits, alzak aluminum reflector with matte finish.	896.76	129.59	
26 55 61 00-0012	EA	1,000 Watt, 25 To 125' Throw, Follow Spotlight (Times Square Lighting QF1000S)	1,922.94	129.59	
26 55 68		Athletic Field Lighting (26 55)			
26 55 68 00-0001		Sports Lighting System (26 55 68) Note: Musco.			
26 55 68 00-0002		Round Steel Tapered Poles (26 55 68 00-0001) Note: With Internal wiring harness.			
26 55 68 00-0003	EA	20' Steel Tapered Pole With Precast Concrete Foundation Sleeve	2,922.09	577.93	
26 55 68 00-0004	EA	25' Steel Tapered Pole With Precast Concrete Foundation Sleeve	3,517.50	698.33	
26 55 68 00-0005	EA	30' Steel Tapered Pole With Precast Concrete Foundation Sleeve	3,951.34	758.53	
26 55 68 00-0006	EA	35' Steel Tapered Pole With Precast Concrete Foundation Sleeve	4,302.09	788.63	
26 55 68 00-0007	EA	40' Steel Tapered Pole With Precast Concrete Foundation Sleeve	5,318.61	818.74	
26 55 68 00-0008	EA	45' Steel Tapered Pole With Precast Concrete Foundation Sleeve	6,131.34	999.34	



		Electrical	26
		Lighting	26 50
		Special Purpose Lighting	26 55

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 68 00-0009 EA 50' Steel Tapered Pole With Precast Concrete Foundation Sleeve	6,582.37	1,059.54
26 55 68 00-0010 EA 55' Steel Tapered Pole With Precast Concrete Foundation Sleeve	7,477.46	1,204.02
26 55 68 00-0011 EA 60' Steel Tapered Pole With Precast Concrete Foundation Sleeve	8,483.77	1,354.53
26 55 68 00-0012 EA 65' Steel Tapered Pole With Precast Concrete Foundation Sleeve	9,356.00	1,482.07
26 55 68 00-0013 EA 70' Steel Tapered Pole With Precast Concrete Foundation Sleeve	10,222.68	1,656.43
26 55 68 00-0014 EA 75' Steel Tapered Pole With Precast Concrete Foundation Sleeve	11,169.53	1,859.85
26 55 68 00-0015 EA 80' Steel Tapered Pole With Precast Concrete Foundation Sleeve	12,597.33	2,237.64
26 55 68 00-0016 Steel Pole Brackets (26 55 68 00-0001)		
26 55 68 00-0017 EA Two Light Bracket	429.09	60.20
26 55 68 00-0018 EA Three Light Bracket	541.42	84.28
26 55 68 00-0019 EA Four Light Bracket	775.45	102.34
26 55 68 00-0020 EA Five Light Bracket	885.43	120.40
26 55 68 00-0021 EA Six Light Bracket	1,072.15	138.46
26 55 68 00-0022 EA Seven Light Bracket	1,227.56	156.53
26 55 68 00-0023 EA Eight Light Bracket	1,402.60	180.60
26 55 68 00-0024 EA Nine Light Bracket	1,583.60	198.66
26 55 68 00-0025 Light Fixtures (26 55 68 00-0001)		
26 55 68 00-0026 EA 120 or 270 Volt, Sportlite Fixtures Complete with 1,000 Watt Metal Halide Lamp, Hook Cord And Plug..... For 1,500 Watt Metal Halide Lamp, Add	1,398.56 9.66	
26 55 68 00-0027 Electrical Component Enclosure (26 55 68 00-0001)		
Note: Pole mounted NEMA 3R enclosure with thermal magnetic breaker and multiple ballasts to match total light fixtures. For light structures with more than 6 lights, use multiple enclosures.		
26 55 68 00-0028 EA Electrical Component Enclosure For 2 Lights, Pole Mounted	684.45	69.33
26 55 68 00-0029 EA Electrical Component Enclosure For 3 Lights, Pole Mounted	1,028.38	106.66
26 55 68 00-0030 EA Electrical Component Enclosure For 4 Lights, Pole Mounted	1,178.74	133.32
26 55 68 00-0031 EA Electrical Component Enclosure For 5 Lights, Pole Mounted	1,521.22	149.33
26 55 68 00-0032 EA Electrical Component Enclosure For 6 Lights, Pole Mounted	1,707.99	159.99
26 55 68 00-0033 Accessories (26 55 68 00-0001)		
26 55 68 00-0034 EA Time Delay Kit (Musco®)	768.08	213.72
26 55 68 00-0035 EA Remote Switch Box Push Button (Musco®)	1,449.37	213.72
26 55 68 00-0036 EA Push Button Strobe Kit (Musco®)	1,721.89	213.72
26 55 68 00-0037 EA Additional Control-Link Unit (Musco®)	8,095.22	641.16
26 55 68 00-0038 EA Auxiliary Brackets For Speakers Or Egress Fixtures, For New Installations (Musco®)	894.62	106.66
26 55 68 00-0039 EA Auxiliary Brackets For Speakers Or Egress Fixtures, For Retrofit Applications (Musco®)	1,107.93	213.33
26 56 Exterior Lighting (26 50)		
26 56 13 Lighting Poles and Standards (26 56)		
26 56 13 00-0001 Poles And Standards (26 56 13) See CSI section 26 05 46 00-0001 for additional pole.		
26 56 13 00-0002 Roadway Light Poles (26 56 13 00-0001) Note: Excludes lighting fixtures.		
26 56 13 00-0003 Steel Roadway Light Poles (26 56 13 00-0002) Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56 13 00-0004 Round Tapered, Steel Roadway Light Poles (26 56 13 00-0003)		
26 56 13 00-0005 Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms (26 56 13 00-0004)		
26 56 13 00-0006 Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm (26 56 13 00-0005)		
26 56 13 00-0007 EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,699.47	361.20
For Galvanized Finish, Add	89.31	
For >10 To 20, Deduct	-92.49	
For >20 To 40, Deduct	-184.97	
For >40, Deduct	-295.52	
26 56 13 00-0008 EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,706.82	361.20
For Galvanized Finish, Add	89.53	
For >10 To 20, Deduct	-92.67	
For >20 To 40, Deduct	-185.34	
For >40, Deduct	-296.07	
26 56 13 00-0009 EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,991.22	481.61
For Galvanized Finish, Add	90.84	
For >10 To 20, Deduct	-99.78	
For >20 To 40, Deduct	-199.56	
For >40, Deduct	-323.42	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0010	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,079.70	481.61
			For Galvanized Finish, Add	93.49	
			For >10 To 20, Deduct	-101.99	
			For >20 To 40, Deduct	-203.99	
			For >40, Deduct	-330.06	
26 56 13 00-0011	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,168.18	481.61
			For Galvanized Finish, Add	96.15	
			For >10 To 20, Deduct	-104.20	
			For >20 To 40, Deduct	-208.41	
			For >40, Deduct	-336.69	
26 56 13 00-0012	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,307.21	541.81
			For Galvanized Finish, Add	96.71	
			For >10 To 20, Deduct	-107.68	
			For >20 To 40, Deduct	-215.36	
			For >40, Deduct	-350.13	
26 56 13 00-0013	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,349.17	541.81
			For Galvanized Finish, Add	97.97	
			For >10 To 20, Deduct	-108.73	
			For >20 To 40, Deduct	-217.46	
			For >40, Deduct	-353.28	
26 56 13 00-0014	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,357.16	541.81
			For Galvanized Finish, Add	98.21	
			For >10 To 20, Deduct	-108.93	
			For >20 To 40, Deduct	-217.86	
			For >40, Deduct	-353.88	
26 56 13 00-0015	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,566.30	571.91
			For Galvanized Finish, Add	102.67	
			For >10 To 20, Deduct	-114.16	
			For >20 To 40, Deduct	-228.32	
			For >40, Deduct	-371.07	
26 56 13 00-0016	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,597.99	571.91
			For Galvanized Finish, Add	103.63	
			For >10 To 20, Deduct	-114.95	
			For >20 To 40, Deduct	-229.90	
			For >40, Deduct	-373.44	
26 56 13 00-0017	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,632.59	571.91
			For Galvanized Finish, Add	104.66	
			For >10 To 20, Deduct	-115.81	
			For >20 To 40, Deduct	-231.63	
			For >40, Deduct	-376.04	
26 56 13 00-0018	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	5,312.64	602.02
			For Galvanized Finish, Add	123.26	
			For >10 To 20, Deduct	-132.82	
			For >20 To 40, Deduct	-265.63	
			For >40, Deduct	-428.55	
26 56 13 00-0019	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	5,323.92	602.02
			For Galvanized Finish, Add	123.60	
			For >10 To 20, Deduct	-133.10	
			For >20 To 40, Deduct	-266.20	
			For >40, Deduct	-429.39	
26 56 13 00-0020	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	5,335.08	602.02
			For Galvanized Finish, Add	123.93	
			For >10 To 20, Deduct	-133.38	
			For >20 To 40, Deduct	-266.75	
			For >40, Deduct	-430.23	
26 56 13 00-0021			Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms (26 56 13 00-0005)		
26 56 13 00-0022	EA		20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,622.88	421.40
			For Galvanized Finish, Add	113.40	
			For >10 To 20, Deduct	-115.57	
			For >20 To 40, Deduct	-231.14	
			For >40, Deduct	-367.79	
26 56 13 00-0023	EA		20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,700.26	436.45
			For Galvanized Finish, Add	114.82	
			For >10 To 20, Deduct	-117.51	
			For >20 To 40, Deduct	-235.01	
			For >40, Deduct	-374.34	



Electrical			26
Lighting			26 50
Exterior Lighting			26 56

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0024	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base		4,765.98	451.51
		For Galvanized Finish, Add		115.89	
		For >10 To 20, Deduct		-119.15	
		For >20 To 40, Deduct		-238.30	
		For >40, Deduct		-380.02	
26 56 13 00-0025	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base		4,557.18	541.81
		For Galvanized Finish, Add		104.21	
		For >10 To 20, Deduct		-113.93	
		For >20 To 40, Deduct		-227.86	
		For >40, Deduct		-368.88	
26 56 13 00-0026	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base		4,606.04	556.86
		For Galvanized Finish, Add		104.77	
		For >10 To 20, Deduct		-115.15	
		For >20 To 40, Deduct		-230.30	
		For >40, Deduct		-373.30	
26 56 13 00-0027	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base		4,643.75	571.91
		For Galvanized Finish, Add		105.00	
		For >10 To 20, Deduct		-116.09	
		For >20 To 40, Deduct		-232.19	
		For >40, Deduct		-376.88	
26 56 13 00-0028	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base		4,909.29	602.02
		For Galvanized Finish, Add		111.16	
		For >10 To 20, Deduct		-122.73	
		For >20 To 40, Deduct		-245.46	
		For >40, Deduct		-398.30	
26 56 13 00-0029	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base		4,950.80	617.07
		For Galvanized Finish, Add		111.50	
		For >10 To 20, Deduct		-123.77	
		For >20 To 40, Deduct		-247.54	
		For >40, Deduct		-402.16	
26 56 13 00-0030	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base		4,988.13	632.12
		For Galvanized Finish, Add		111.72	
		For >10 To 20, Deduct		-124.70	
		For >20 To 40, Deduct		-249.41	
		For >40, Deduct		-405.72	
26 56 13 00-0031	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base		5,212.24	632.12
		For Galvanized Finish, Add		118.44	
		For >10 To 20, Deduct		-130.31	
		For >20 To 40, Deduct		-260.61	
		For >40, Deduct		-422.52	
26 56 13 00-0032	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base		5,291.39	647.17
		For Galvanized Finish, Add		119.91	
		For >10 To 20, Deduct		-132.28	
		For >20 To 40, Deduct		-264.57	
		For >40, Deduct		-429.21	
26 56 13 00-0033	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base		5,368.01	662.22
		For Galvanized Finish, Add		121.31	
		For >10 To 20, Deduct		-134.20	
		For >20 To 40, Deduct		-268.40	
		For >40, Deduct		-435.71	
26 56 13 00-0034	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base		5,914.98	662.22
		For Galvanized Finish, Add		137.72	
		For >10 To 20, Deduct		-147.87	
		For >20 To 40, Deduct		-295.75	
		For >40, Deduct		-476.73	
26 56 13 00-0035	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base		5,952.44	677.27
		For Galvanized Finish, Add		137.94	
		For >10 To 20, Deduct		-148.81	
		For >20 To 40, Deduct		-297.62	
		For >40, Deduct		-480.30	
26 56 13 00-0036	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base		5,990.14	692.32
		For Galvanized Finish, Add		138.17	
		For >10 To 20, Deduct		-149.75	
		For >20 To 40, Deduct		-299.51	
		For >40, Deduct		-483.88	

26 56 13 00-0037 Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms (26 56 13 00-0005)

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0038	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base .....5,372.47	5,372.47	602.02
		For Galvanized Finish, Add .....125.05		
		For >10 To 20, Deduct .....-134.31		
		For >20 To 40, Deduct .....-268.62		
		For >40, Deduct .....-433.04		
26 56 13 00-0039	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base .....5,440.15	5,440.15	632.12
		For Galvanized Finish, Add .....125.28		
		For >10 To 20, Deduct .....-136.00		
		For >20 To 40, Deduct .....-272.01		
		For >40, Deduct .....-439.62		
26 56 13 00-0040	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base .....5,518.98	5,518.98	662.22
		For Galvanized Finish, Add .....125.84		
		For >10 To 20, Deduct .....-137.97		
		For >20 To 40, Deduct .....-275.95		
		For >40, Deduct .....-447.03		
26 56 13 00-0041	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base .....5,679.71	5,679.71	662.22
		For Galvanized Finish, Add .....130.66		
		For >10 To 20, Deduct .....-141.99		
		For >20 To 40, Deduct .....-283.99		
		For >40, Deduct .....-459.09		
26 56 13 00-0042	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base .....5,750.95	5,750.95	692.32
		For Galvanized Finish, Add .....130.99		
		For >10 To 20, Deduct .....-143.77		
		For >20 To 40, Deduct .....-287.55		
		For >40, Deduct .....-465.94		
26 56 13 00-0043	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base .....5,818.63	5,818.63	722.42
		For Galvanized Finish, Add .....131.21		
		For >10 To 20, Deduct .....-145.47		
		For >20 To 40, Deduct .....-290.93		
		For >40, Deduct .....-472.52		
26 56 13 00-0044	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base .....6,045.92	6,045.92	692.32
		For Galvanized Finish, Add .....139.84		
		For >10 To 20, Deduct .....-151.15		
		For >20 To 40, Deduct .....-302.30		
		For >40, Deduct .....-488.06		
26 56 13 00-0045	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base .....6,113.60	6,113.60	722.42
		For Galvanized Finish, Add .....140.06		
		For >10 To 20, Deduct .....-152.84		
		For >20 To 40, Deduct .....-305.68		
		For >40, Deduct .....-494.64		
26 56 13 00-0046	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base .....6,181.27	6,181.27	752.52
		For Galvanized Finish, Add .....140.29		
		For >10 To 20, Deduct .....-154.53		
		For >20 To 40, Deduct .....-309.06		
		For >40, Deduct .....-501.22		
26 56 13 00-0047	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base .....6,517.32	6,517.32	722.42
		For Galvanized Finish, Add .....152.17		
		For >10 To 20, Deduct .....-162.93		
		For >20 To 40, Deduct .....-325.87		
		For >40, Deduct .....-524.92		
26 56 13 00-0048	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base .....6,584.62	6,584.62	752.52
		For Galvanized Finish, Add .....152.39		
		For >10 To 20, Deduct .....-164.62		
		For >20 To 40, Deduct .....-329.23		
		For >40, Deduct .....-531.47		
26 56 13 00-0049	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base .....6,659.78	6,659.78	782.62
		For Galvanized Finish, Add .....152.84		
		For >10 To 20, Deduct .....-166.49		
		For >20 To 40, Deduct .....-332.99		
		For >40, Deduct .....-538.61		
26 56 13 00-0050		Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms (26 56 13 00-0005)		
26 56 13 00-0051	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base .....5,978.48	5,978.48	662.22
		For Galvanized Finish, Add .....139.62		
		For >10 To 20, Deduct .....-149.46		
		For >20 To 40, Deduct .....-298.92		
		For >40, Deduct .....-481.50		



Electrical			26
Lighting			26 50
Exterior Lighting			26 56

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0052	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	.....	6,079.95	707.37
		For Galvanized Finish, Add	.....	139.96	
		For >10 To 20, Deduct	.....	-152.00	
		For >20 To 40, Deduct	.....	-304.00	
		For >40, Deduct	.....	-491.36	
26 56 13 00-0053	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	.....	6,177.60	752.52
		For Galvanized Finish, Add	.....	140.18	
		For >10 To 20, Deduct	.....	-154.44	
		For >20 To 40, Deduct	.....	-308.88	
		For >40, Deduct	.....	-500.95	
26 56 13 00-0054	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	.....	6,331.49	722.42
		For Galvanized Finish, Add	.....	146.60	
		For >10 To 20, Deduct	.....	-158.29	
		For >20 To 40, Deduct	.....	-316.57	
		For >40, Deduct	.....	-510.98	
26 56 13 00-0055	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	.....	6,429.65	767.57
		For Galvanized Finish, Add	.....	146.84	
		For >10 To 20, Deduct	.....	-160.74	
		For >20 To 40, Deduct	.....	-321.48	
		For >40, Deduct	.....	-520.60	
26 56 13 00-0056	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	.....	6,484.71	812.72
		For Galvanized Finish, Add	.....	145.78	
		For >10 To 20, Deduct	.....	-162.12	
		For >20 To 40, Deduct	.....	-324.24	
		For >40, Deduct	.....	-526.99	
26 56 13 00-0057	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	.....	6,816.21	752.52
		For Galvanized Finish, Add	.....	159.34	
		For >10 To 20, Deduct	.....	-170.41	
		For >20 To 40, Deduct	.....	-340.81	
		For >40, Deduct	.....	-548.84	
26 56 13 00-0058	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	.....	6,964.82	797.67
		For Galvanized Finish, Add	.....	161.08	
		For >10 To 20, Deduct	.....	-174.12	
		For >20 To 40, Deduct	.....	-348.24	
		For >40, Deduct	.....	-562.24	
26 56 13 00-0059	EA	35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	.....	7,015.69	842.82
		For Galvanized Finish, Add	.....	159.90	
		For >10 To 20, Deduct	.....	-175.39	
		For >20 To 40, Deduct	.....	-350.78	
		For >40, Deduct	.....	-568.32	
26 56 13 00-0060	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	.....	7,119.28	782.62
		For Galvanized Finish, Add	.....	166.62	
		For >10 To 20, Deduct	.....	-177.98	
		For >20 To 40, Deduct	.....	-355.96	
		For >40, Deduct	.....	-573.08	
26 56 13 00-0061	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	.....	7,216.93	827.77
		For Galvanized Finish, Add	.....	166.84	
		For >10 To 20, Deduct	.....	-180.42	
		For >20 To 40, Deduct	.....	-360.85	
		For >40, Deduct	.....	-582.66	
26 56 13 00-0062	EA	40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	.....	7,318.39	872.92
		For Galvanized Finish, Add	.....	167.18	
		For >10 To 20, Deduct	.....	-182.96	
		For >20 To 40, Deduct	.....	-365.92	
		For >40, Deduct	.....	-592.53	
26 56 13 00-0063		Round Tapered, Steel Roadway Light Poles With Davit Style Arm (26 56 13 00-0004)			
26 56 13 00-0064		Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm (26 56 13 00-0063)			
26 56 13 00-0065	EA	25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	.....	4,265.02	481.61
		For Galvanized Finish, Add	.....	99.05	
		For >10 To 20, Deduct	.....	-106.63	
		For >20 To 40, Deduct	.....	-213.25	
		For >40, Deduct	.....	-343.96	
26 56 13 00-0066	EA	30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	.....	4,827.94	541.81
		For Galvanized Finish, Add	.....	112.33	
		For >10 To 20, Deduct	.....	-120.70	
		For >20 To 40, Deduct	.....	-241.40	
		For >40, Deduct	.....	-389.19	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0067	EA	35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,949.74 114.18 -123.74 -247.49 -399.83	571.91
26 56 13 00-0068	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	5,955.05 142.53 -148.88 -297.75 -476.73	602.02
26 56 13 00-0069		Round Tapered, Steel Roadway Light Poles With Truss Style Arms (26 56 13 00-0004)		
26 56 13 00-0070		Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm (26 56 13 00-0069)		
26 56 13 00-0071	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	5,586.73 138.71 -139.67 -279.34 -443.09	481.61
26 56 13 00-0072	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	5,643.39 140.41 -141.08 -282.17 -447.33	481.61
26 56 13 00-0073	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	5,669.25 141.18 -141.73 -283.46 -449.27	481.61
26 56 13 00-0074	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	5,763.79 140.41 -144.09 -288.19 -459.37	541.81
26 56 13 00-0075	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	5,773.68 140.70 -144.34 -288.68 -460.12	541.81
26 56 13 00-0076	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	5,875.85 143.77 -146.90 -293.79 -467.78	541.81
26 56 13 00-0077	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	5,857.58 141.41 -146.44 -292.88 -467.91	571.91
26 56 13 00-0078	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	5,917.41 143.21 -147.94 -295.87 -472.40	571.91
26 56 13 00-0079	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	6,231.14 152.62 -155.78 -311.56 -495.93	571.91
26 56 13 00-0080		Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms (26 56 13 00-0069)		
26 56 13 00-0081	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	7,334.94 183.93 -183.37 -366.75 -580.22	602.02



		Electrical	26	26
		Lighting	26 50	
		Exterior Lighting	26 56	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST		
26 56 13 00-0082	EA 25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	7,449.40		632.12	
	For Galvanized Finish, Add	185.56			
	For >10 To 20, Deduct	-186.24			
	For >20 To 40, Deduct	-372.47			
	For >40, Deduct	-590.31			
26 56 13 00-0083	EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	7,722.55		662.22	
	For Galvanized Finish, Add	191.94			
	For >10 To 20, Deduct	-193.06			
	For >20 To 40, Deduct	-386.13			
	For >40, Deduct	-612.30			
26 56 13 00-0084	EA 30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	7,423.91		662.22	
	For Galvanized Finish, Add	182.98			
	For >10 To 20, Deduct	-185.60			
	For >20 To 40, Deduct	-371.20			
	For >40, Deduct	-589.90			
26 56 13 00-0085	EA 30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	7,764.38		692.32	
	For Galvanized Finish, Add	191.39			
	For >10 To 20, Deduct	-194.11			
	For >20 To 40, Deduct	-388.22			
	For >40, Deduct	-616.94			
26 56 13 00-0086	EA 30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	7,962.49		722.42	
	For Galvanized Finish, Add	195.53			
	For >10 To 20, Deduct	-199.06			
	For >20 To 40, Deduct	-398.12			
	For >40, Deduct	-633.31			
26 56 13 00-0087	EA 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	7,640.66		692.32	
	For Galvanized Finish, Add	187.68			
	For >10 To 20, Deduct	-191.02			
	For >20 To 40, Deduct	-382.03			
	For >40, Deduct	-607.67			
26 56 13 00-0088	EA 35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	8,100.66		722.42	
	For Galvanized Finish, Add	199.67			
	For >10 To 20, Deduct	-202.52			
	For >20 To 40, Deduct	-405.03			
	For >40, Deduct	-643.67			
26 56 13 00-0089	EA 35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	8,366.21		752.52	
	For Galvanized Finish, Add	205.84			
	For >10 To 20, Deduct	-209.16			
	For >20 To 40, Deduct	-418.31			
	For >40, Deduct	-665.09			
26 56 13 00-0090	Aluminum Roadway Light Poles (26 56 13 00-0002) Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).				
26 56 13 00-0091	Round Tapered, Aluminum Roadway Light Poles (26 56 13 00-0090)				
26 56 13 00-0092	Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms (26 56 13 00-0091)				
26 56 13 00-0093	Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm (26 56 13 00-0092)				
26 56 13 00-0094	EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,630.89		361.20	
	For >10 To 20, Deduct	-65.77			
	For >20 To 40, Deduct	-131.54			
	For >40, Deduct	-215.38			
26 56 13 00-0095	EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,653.99		361.20	
	For >10 To 20, Deduct	-66.35			
	For >20 To 40, Deduct	-132.70			
	For >40, Deduct	-217.11			
26 56 13 00-0096	EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,220.41		481.61	
	For >10 To 20, Deduct	-80.51			
	For >20 To 40, Deduct	-161.02			
	For >40, Deduct	-265.61			
26 56 13 00-0097	EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,264.06		481.61	
	For >10 To 20, Deduct	-81.60			
	For >20 To 40, Deduct	-163.20			
	For >40, Deduct	-268.89			
26 56 13 00-0098	EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,304.21		481.61	
	For >10 To 20, Deduct	-82.61			
	For >20 To 40, Deduct	-165.21			
	For >40, Deduct	-271.90			

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0099	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,697.96	541.81
		For >10 To 20, Deduct	-92.45	
		For >20 To 40, Deduct	-184.90	
		For >40, Deduct	-304.44	
26 56 13 00-0100	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,734.79	541.81
		For >10 To 20, Deduct	-93.37	
		For >20 To 40, Deduct	-186.74	
		For >40, Deduct	-307.20	
26 56 13 00-0101	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,775.98	541.81
		For >10 To 20, Deduct	-94.40	
		For >20 To 40, Deduct	-188.80	
		For >40, Deduct	-310.29	
26 56 13 00-0102	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,340.85	571.91
		For >10 To 20, Deduct	-108.52	
		For >20 To 40, Deduct	-217.04	
		For >40, Deduct	-354.16	
26 56 13 00-0103	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,377.59	571.91
		For >10 To 20, Deduct	-109.44	
		For >20 To 40, Deduct	-218.88	
		For >40, Deduct	-356.91	
26 56 13 00-0104	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,408.36	571.91
		For >10 To 20, Deduct	-110.21	
		For >20 To 40, Deduct	-220.42	
		For >40, Deduct	-359.22	
26 56 13 00-0105 Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms (26 56 13 00-0092)				
26 56 13 00-0106	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,013.56	421.40
		For >10 To 20, Deduct	-75.34	
		For >20 To 40, Deduct	-150.68	
		For >40, Deduct	-247.09	
26 56 13 00-0107	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,239.96	421.40
		For >10 To 20, Deduct	-81.00	
		For >20 To 40, Deduct	-162.00	
		For >40, Deduct	-264.07	
26 56 13 00-0108	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,344.28	451.51
		For >10 To 20, Deduct	-83.61	
		For >20 To 40, Deduct	-167.21	
		For >40, Deduct	-273.40	
26 56 13 00-0109	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,590.68	541.81
		For >10 To 20, Deduct	-89.77	
		For >20 To 40, Deduct	-179.53	
		For >40, Deduct	-296.39	
26 56 13 00-0110	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,764.89	556.86
		For >10 To 20, Deduct	-94.12	
		For >20 To 40, Deduct	-188.24	
		For >40, Deduct	-310.21	
26 56 13 00-0111	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,017.03	571.91
		For >10 To 20, Deduct	-100.43	
		For >20 To 40, Deduct	-200.85	
		For >40, Deduct	-329.87	
26 56 13 00-0112	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,147.58	602.02
		For >10 To 20, Deduct	-103.69	
		For >20 To 40, Deduct	-207.38	
		For >40, Deduct	-341.17	
26 56 13 00-0113	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,311.38	617.07
		For >10 To 20, Deduct	-107.78	
		For >20 To 40, Deduct	-215.57	
		For >40, Deduct	-354.21	
26 56 13 00-0114	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,511.72	632.12
		For >10 To 20, Deduct	-112.79	
		For >20 To 40, Deduct	-225.59	
		For >40, Deduct	-369.98	
26 56 13 00-0115	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,711.98	632.12
		For >10 To 20, Deduct	-117.80	
		For >20 To 40, Deduct	-235.60	
		For >40, Deduct	-385.00	



Electrical		26
Lighting		26 50
Exterior Lighting		26 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0116	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	5,158.88	647.17
			For >10 To 20, Deduct	-128.97	
			For >20 To 40, Deduct	-257.94	
			For >40, Deduct	-419.27	
26 56 13 00-0117	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	5,678.98	662.22
			For >10 To 20, Deduct	-141.97	
			For >20 To 40, Deduct	-283.95	
			For >40, Deduct	-459.03	
26 56 13 00-0118 Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms (26 56 13 00-0092)					
26 56 13 00-0119	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,498.41	481.61
			For >10 To 20, Deduct	-87.46	
			For >20 To 40, Deduct	-174.92	
			For >40, Deduct	-286.46	
26 56 13 00-0120	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	3,741.73	511.71
			For >10 To 20, Deduct	-93.54	
			For >20 To 40, Deduct	-187.09	
			For >40, Deduct	-306.22	
26 56 13 00-0121	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,251.83	602.02
			For >10 To 20, Deduct	-106.30	
			For >20 To 40, Deduct	-212.59	
			For >40, Deduct	-348.99	
26 56 13 00-0122	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,433.13	632.12
			For >10 To 20, Deduct	-110.83	
			For >20 To 40, Deduct	-221.66	
			For >40, Deduct	-364.09	
26 56 13 00-0123	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,642.66	662.22
			For >10 To 20, Deduct	-116.07	
			For >20 To 40, Deduct	-232.13	
			For >40, Deduct	-381.31	
26 56 13 00-0124	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,807.11	692.32
			For >10 To 20, Deduct	-120.18	
			For >20 To 40, Deduct	-240.36	
			For >40, Deduct	-395.15	
26 56 13 00-0125	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	5,023.93	692.32
			For >10 To 20, Deduct	-125.60	
			For >20 To 40, Deduct	-251.20	
			For >40, Deduct	-411.41	
26 56 13 00-0126	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,468.93	722.42
			For >10 To 20, Deduct	-136.72	
			For >20 To 40, Deduct	-273.45	
			For >40, Deduct	-446.29	
26 56 13 00-0127	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	7,689.32	752.52
			For >10 To 20, Deduct	-192.23	
			For >20 To 40, Deduct	-384.47	
			For >40, Deduct	-614.32	
26 56 13 00-0128 Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms (26 56 13 00-0092)					
26 56 13 00-0129	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	3,618.24	541.81
			For >10 To 20, Deduct	-90.46	
			For >20 To 40, Deduct	-180.91	
			For >40, Deduct	-298.46	
26 56 13 00-0130	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	3,756.86	541.81
			For >10 To 20, Deduct	-93.92	
			For >20 To 40, Deduct	-187.84	
			For >40, Deduct	-308.86	
26 56 13 00-0131	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,651.28	662.22
			For >10 To 20, Deduct	-116.28	
			For >20 To 40, Deduct	-232.56	
			For >40, Deduct	-381.96	
26 56 13 00-0132	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,037.09	707.37
			For >10 To 20, Deduct	-125.93	
			For >20 To 40, Deduct	-251.85	
			For >40, Deduct	-413.15	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0133	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,255.99	722.42
			For >10 To 20, Deduct	-131.40	
			For >20 To 40, Deduct	-262.80	
			For >40, Deduct	-430.32	
26 56 13 00-0134	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,611.12	767.57
			For >10 To 20, Deduct	-140.28	
			For >20 To 40, Deduct	-280.56	
			For >40, Deduct	-459.21	
26 56 13 00-0135	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,535.95	752.52
			For >10 To 20, Deduct	-138.40	
			For >20 To 40, Deduct	-276.80	
			For >40, Deduct	-452.82	
26 56 13 00-0136	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	6,304.86	797.67
			For >10 To 20, Deduct	-157.62	
			For >20 To 40, Deduct	-315.24	
			For >40, Deduct	-512.75	
26 56 13 00-0137	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	6,983.91	842.82
			For >10 To 20, Deduct	-174.60	
			For >20 To 40, Deduct	-349.20	
			For >40, Deduct	-565.93	
26 56 13 00-0138			Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms (26 56 13 00-0091)		
26 56 13 00-0139			Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm (26 56 13 00-0138)		
26 56 13 00-0140	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	3,861.81	481.61
			For >10 To 20, Deduct	-96.55	
			For >20 To 40, Deduct	-193.09	
			For >40, Deduct	-313.72	
26 56 13 00-0141	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	3,892.67	481.61
			For >10 To 20, Deduct	-97.32	
			For >20 To 40, Deduct	-194.63	
			For >40, Deduct	-316.03	
26 56 13 00-0142	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	3,971.55	481.61
			For >10 To 20, Deduct	-99.29	
			For >20 To 40, Deduct	-198.58	
			For >40, Deduct	-321.95	
26 56 13 00-0143	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,089.90	481.61
			For >10 To 20, Deduct	-102.25	
			For >20 To 40, Deduct	-204.50	
			For >40, Deduct	-330.82	
26 56 13 00-0144	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	4,348.16	541.81
			For >10 To 20, Deduct	-108.70	
			For >20 To 40, Deduct	-217.41	
			For >40, Deduct	-353.20	
26 56 13 00-0145	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,417.76	541.81
			For >10 To 20, Deduct	-110.44	
			For >20 To 40, Deduct	-220.89	
			For >40, Deduct	-358.42	
26 56 13 00-0146	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,491.99	541.81
			For >10 To 20, Deduct	-112.30	
			For >20 To 40, Deduct	-224.60	
			For >40, Deduct	-363.99	
26 56 13 00-0147	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,939.75	541.81
			For >10 To 20, Deduct	-123.49	
			For >20 To 40, Deduct	-246.99	
			For >40, Deduct	-397.57	
26 56 13 00-0148	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	4,726.79	571.91
			For >10 To 20, Deduct	-118.17	
			For >20 To 40, Deduct	-236.34	
			For >40, Deduct	-383.10	
26 56 13 00-0149	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	5,301.33	571.91
			For >10 To 20, Deduct	-132.53	
			For >20 To 40, Deduct	-265.07	
			For >40, Deduct	-426.20	
26 56 13 00-0150	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	5,357.29	571.91
			For >10 To 20, Deduct	-133.93	
			For >20 To 40, Deduct	-267.86	
			For >40, Deduct	-430.39	



Electrical		26
Lighting		26 50
Exterior Lighting		26 56

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0151	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,712.55	571.91
			For >10 To 20, Deduct	-142.81	
			For >20 To 40, Deduct	-285.63	
			For >40, Deduct	-457.04	
26 56 13 00-0152	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	6,036.56	571.91
			For >10 To 20, Deduct	-150.91	
			For >20 To 40, Deduct	-301.83	
			For >40, Deduct	-481.34	
26 56 13 00-0153 Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms					
			(26 56 13 00-0138)		
26 56 13 00-0154	EA		25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,015.18	602.02
			For >10 To 20, Deduct	-125.38	
			For >20 To 40, Deduct	-250.76	
			For >40, Deduct	-406.24	
26 56 13 00-0155	EA		25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,154.25	632.12
			For >10 To 20, Deduct	-128.86	
			For >20 To 40, Deduct	-257.71	
			For >40, Deduct	-418.17	
26 56 13 00-0156	EA		25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	5,265.21	662.22
			For >10 To 20, Deduct	-131.63	
			For >20 To 40, Deduct	-263.26	
			For >40, Deduct	-428.00	
26 56 13 00-0157	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,400.42	662.22
			For >10 To 20, Deduct	-135.01	
			For >20 To 40, Deduct	-270.02	
			For >40, Deduct	-438.14	
26 56 13 00-0158	EA		30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,871.74	692.32
			For >10 To 20, Deduct	-146.79	
			For >20 To 40, Deduct	-293.59	
			For >40, Deduct	-475.00	
26 56 13 00-0159	EA		30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	6,743.11	722.42
			For >10 To 20, Deduct	-168.58	
			For >20 To 40, Deduct	-337.16	
			For >40, Deduct	-541.85	
26 56 13 00-0160	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	6,522.32	692.32
			For >10 To 20, Deduct	-163.06	
			For >20 To 40, Deduct	-326.12	
			For >40, Deduct	-523.79	
26 56 13 00-0161	EA		35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	6,648.61	722.42
			For >10 To 20, Deduct	-166.22	
			For >20 To 40, Deduct	-332.43	
			For >40, Deduct	-534.77	
26 56 13 00-0162	EA		35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	8,095.94	752.52
			For >10 To 20, Deduct	-202.40	
			For >20 To 40, Deduct	-404.80	
			For >40, Deduct	-644.82	
26 56 13 00-0163 Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm					
			(26 56 13 00-0091)		
26 56 13 00-0164 Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm					
			(26 56 13 00-0163)		
26 56 13 00-0165	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	3,170.40	361.20
			For >10 To 20, Deduct	-79.26	
			For >20 To 40, Deduct	-158.52	
			For >40, Deduct	-255.84	
26 56 13 00-0166	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	3,257.61	361.20
			For >10 To 20, Deduct	-81.44	
			For >20 To 40, Deduct	-162.88	
			For >40, Deduct	-262.38	
26 56 13 00-0167	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	3,345.00	361.20
			For >10 To 20, Deduct	-83.63	
			For >20 To 40, Deduct	-167.25	
			For >40, Deduct	-268.94	
26 56 13 00-0168	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	3,767.78	481.61
			For >10 To 20, Deduct	-94.19	
			For >20 To 40, Deduct	-188.39	
			For >40, Deduct	-306.66	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0169	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	3,834.25	481.61
			For >10 To 20, Deduct	-95.86	
			For >20 To 40, Deduct	-191.71	
			For >40, Deduct	-311.65	
26 56 13 00-0170	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	3,906.88	481.61
			For >10 To 20, Deduct	-97.67	
			For >20 To 40, Deduct	-195.34	
			For >40, Deduct	-317.10	
26 56 13 00-0171	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	4,252.53	541.81
			For >10 To 20, Deduct	-106.31	
			For >20 To 40, Deduct	-212.63	
			For >40, Deduct	-346.03	
26 56 13 00-0172	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	4,342.77	541.81
			For >10 To 20, Deduct	-108.57	
			For >20 To 40, Deduct	-217.14	
			For >40, Deduct	-352.80	
26 56 13 00-0173	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	4,356.31	541.81
			For >10 To 20, Deduct	-108.91	
			For >20 To 40, Deduct	-217.82	
			For >40, Deduct	-353.81	
26 56 13 00-0174	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	4,633.81	571.91
			For >10 To 20, Deduct	-115.85	
			For >20 To 40, Deduct	-231.69	
			For >40, Deduct	-376.13	
26 56 13 00-0175	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	4,673.39	571.91
			For >10 To 20, Deduct	-116.83	
			For >20 To 40, Deduct	-233.67	
			For >40, Deduct	-379.10	
26 56 13 00-0176	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	4,766.18	571.91
			For >10 To 20, Deduct	-119.15	
			For >20 To 40, Deduct	-238.31	
			For >40, Deduct	-386.06	
26 56 13 00-0177			Area Light Poles (26 56 13 00-0001) Note: Excludes lighting fixtures.		
26 56 13 00-0178			Steel Area Light Poles (26 56 13 00-0177) Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0179			Round Straight, Steel Area Light Poles (26 56 13 00-0178)		
26 56 13 00-0180			Round Straight, Steel Area Light Poles, Anchor Base (26 56 13 00-0179)		
26 56 13 00-0181	EA		10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	945.73	210.70
			For Galvanized Finish, Add	15.73	
			For >10 To 20, Deduct	-31.51	
			For >20 To 40, Deduct	-57.77	
			For >40, Deduct	-120.79	
26 56 13 00-0182	EA		12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,034.99	240.80
			For Galvanized Finish, Add	16.60	
			For >10 To 20, Deduct	-34.18	
			For >20 To 40, Deduct	-62.82	
			For >40, Deduct	-131.17	
26 56 13 00-0183	EA		14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,157.64	270.90
			For Galvanized Finish, Add	18.47	
			For >10 To 20, Deduct	-38.18	
			For >20 To 40, Deduct	-70.20	
			For >40, Deduct	-146.56	
26 56 13 00-0184	EA		16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,283.21	301.00
			For Galvanized Finish, Add	20.44	
			For >10 To 20, Deduct	-42.30	
			For >20 To 40, Deduct	-77.78	
			For >40, Deduct	-162.38	
26 56 13 00-0185	EA		18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,372.46	331.10
			For Galvanized Finish, Add	21.31	
			For >10 To 20, Deduct	-44.97	
			For >20 To 40, Deduct	-82.83	
			For >40, Deduct	-172.76	
26 56 13 00-0186	EA		20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,454.45	361.20
			For Galvanized Finish, Add	21.96	
			For >10 To 20, Deduct	-47.34	
			For >20 To 40, Deduct	-87.36	
			For >40, Deduct	-182.05	
26 56 13 00-0187	EA		10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	983.49	210.70
			For Galvanized Finish, Add	16.86	
			For >10 To 20, Deduct	-33.02	
			For >20 To 40, Deduct	-60.42	
			For >40, Deduct	-126.45	



Electrical			26
Lighting			26 50
Exterior Lighting			26 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0188	EA	12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,074.21	240.80	
		For Galvanized Finish, Add	17.78		
		For >10 To 20, Deduct	-35.74		
		For >20 To 40, Deduct	-65.56		
		For >40, Deduct	-137.05		
26 56 13 00-0189	EA	14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,236.08	270.90	
		For Galvanized Finish, Add	20.83		
		For >10 To 20, Deduct	-41.32		
		For >20 To 40, Deduct	-75.69		
		For >40, Deduct	-158.32		
26 56 13 00-0190	EA	16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,334.05	301.00	
		For Galvanized Finish, Add	21.96		
		For >10 To 20, Deduct	-44.33		
		For >20 To 40, Deduct	-81.34		
		For >40, Deduct	-170.01		
26 56 13 00-0191	EA	18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,427.66	331.10	
		For Galvanized Finish, Add	22.96		
		For >10 To 20, Deduct	-47.17		
		For >20 To 40, Deduct	-86.69		
		For >40, Deduct	-181.04		
26 56 13 00-0192	EA	20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,506.74	361.20	
		For Galvanized Finish, Add	23.53		
		For >10 To 20, Deduct	-49.43		
		For >20 To 40, Deduct	-91.02		
		For >40, Deduct	-189.89		
26 56 13 00-0193	EA	25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,801.28	481.61	
		For Galvanized Finish, Add	25.14		
		For >10 To 20, Deduct	-57.60		
		For >20 To 40, Deduct	-106.83		
		For >40, Deduct	-222.03		
26 56 13 00-0194	EA	10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	983.49	210.70	
		For Galvanized Finish, Add	16.86		
		For >10 To 20, Deduct	-33.02		
		For >20 To 40, Deduct	-60.42		
		For >40, Deduct	-126.45		
26 56 13 00-0195	EA	12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,078.56	240.80	
		For Galvanized Finish, Add	17.91		
		For >10 To 20, Deduct	-35.92		
		For >20 To 40, Deduct	-65.87		
		For >40, Deduct	-137.70		
26 56 13 00-0196	EA	14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,259.32	270.90	
		For Galvanized Finish, Add	21.53		
		For >10 To 20, Deduct	-42.25		
		For >20 To 40, Deduct	-77.32		
		For >40, Deduct	-161.81		
26 56 13 00-0197	EA	16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,338.41	301.00	
		For Galvanized Finish, Add	22.09		
		For >10 To 20, Deduct	-44.51		
		For >20 To 40, Deduct	-81.65		
		For >40, Deduct	-170.66		
26 56 13 00-0198	EA	18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,427.66	331.10	
		For Galvanized Finish, Add	22.96		
		For >10 To 20, Deduct	-47.17		
		For >20 To 40, Deduct	-86.69		
		For >40, Deduct	-181.04		
26 56 13 00-0199	EA	20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,506.74	361.20	
		For Galvanized Finish, Add	23.53		
		For >10 To 20, Deduct	-49.43		
		For >20 To 40, Deduct	-91.02		
		For >40, Deduct	-189.89		
26 56 13 00-0200	EA	25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,841.95	481.61	
		For Galvanized Finish, Add	26.36		
		For >10 To 20, Deduct	-59.23		
		For >20 To 40, Deduct	-109.67		
		For >40, Deduct	-228.13		
26 56 13 00-0201	EA	30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,037.87	541.81	
		For Galvanized Finish, Add	28.63		
		For >10 To 20, Deduct	-65.26		
		For >20 To 40, Deduct	-120.98		
		For >40, Deduct	-251.50		
26 56 13 00-0202	EA	20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,599.69	361.20	
		For Galvanized Finish, Add	26.32		
		For >10 To 20, Deduct	-53.15		
		For >20 To 40, Deduct	-97.53		
		For >40, Deduct	-203.83		
26 56 13 00-0203	EA	25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,860.83	481.61	
		For Galvanized Finish, Add	26.93		
		For >10 To 20, Deduct	-59.98		
		For >20 To 40, Deduct	-110.99		
		For >40, Deduct	-230.96		
26 56 13 00-0204	EA	30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,074.18	541.81	
		For Galvanized Finish, Add	29.72		
		For >10 To 20, Deduct	-66.71		
		For >20 To 40, Deduct	-123.52		
		For >40, Deduct	-256.95		



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 56 13 00-0205	Round Tapered, Steel Area Light Poles (26 56 13 00-0178)				
26 56 13 00-0206	Round Tapered, Steel Area Light Poles, Anchor Base (26 56 13 00-0205)				
26 56 13 00-0207	EA 20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	1,927.95		361.20	
	For Galvanized Finish, Add	36.17			
	For >10 To 20, Deduct	-66.28			
	For >20 To 40, Deduct	-120.51			
	For >40, Deduct	-253.07			
26 56 13 00-0208	EA 20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	1,972.97		361.20	
	For Galvanized Finish, Add	37.52			
	For >10 To 20, Deduct	-68.08			
	For >20 To 40, Deduct	-123.66			
	For >40, Deduct	-259.82			
26 56 13 00-0209	EA 25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,312.54		481.61	
	For Galvanized Finish, Add	40.48			
	For >10 To 20, Deduct	-78.05			
	For >20 To 40, Deduct	-142.61			
	For >40, Deduct	-298.72			
26 56 13 00-0210	EA 25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,405.49		481.61	
	For Galvanized Finish, Add	43.27			
	For >10 To 20, Deduct	-81.77			
	For >20 To 40, Deduct	-149.12			
	For >40, Deduct	-312.66			
26 56 13 00-0211	EA 30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,578.18		541.81	
	For Galvanized Finish, Add	44.84			
	For >10 To 20, Deduct	-86.87			
	For >20 To 40, Deduct	-158.80			
	For >40, Deduct	-332.55			
26 56 13 00-0212	EA 30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,733.59		541.81	
	For Galvanized Finish, Add	49.50			
	For >10 To 20, Deduct	-93.09			
	For >20 To 40, Deduct	-169.68			
	For >40, Deduct	-355.86			
26 56 13 00-0213	EA 35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,825.75		571.91	
	For Galvanized Finish, Add	50.46			
	For >10 To 20, Deduct	-95.87			
	For >20 To 40, Deduct	-174.93			
	For >40, Deduct	-366.67			
26 56 13 00-0214	EA 35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,921.61		571.91	
	For Galvanized Finish, Add	53.33			
	For >10 To 20, Deduct	-99.71			
	For >20 To 40, Deduct	-181.64			
	For >40, Deduct	-381.05			
26 56 13 00-0215	EA 35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,151.09		571.91	
	For Galvanized Finish, Add	60.22			
	For >10 To 20, Deduct	-108.89			
	For >20 To 40, Deduct	-197.70			
	For >40, Deduct	-415.47			
26 56 13 00-0216	EA 39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,193.86		602.02	
	For Galvanized Finish, Add	59.70			
	For >10 To 20, Deduct	-109.69			
	For >20 To 40, Deduct	-199.49			
	For >40, Deduct	-418.88			
26 56 13 00-0217	EA 39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,234.53		602.02	
	For Galvanized Finish, Add	60.92			
	For >10 To 20, Deduct	-111.32			
	For >20 To 40, Deduct	-202.34			
	For >40, Deduct	-424.98			
26 56 13 00-0218	EA 45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	4,378.61		782.62	
	For Galvanized Finish, Add	84.40			
	For >10 To 20, Deduct	-151.67			
	For >20 To 40, Deduct	-275.20			
	For >40, Deduct	-578.53			
26 56 13 00-0219	EA 50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	4,610.70		903.02	
	For Galvanized Finish, Add	84.14			
	For >10 To 20, Deduct	-157.34			
	For >20 To 40, Deduct	-286.63			
	For >40, Deduct	-601.30			
26 56 13 00-0220	EA 25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,035.85		481.61	
	For Galvanized Finish, Add	62.18			
	For >10 To 20, Deduct	-106.99			
	For >20 To 40, Deduct	-193.25			
	For >40, Deduct	-407.22			
26 56 13 00-0221	EA 30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,443.84		541.81	
	For Galvanized Finish, Add	70.81			
	For >10 To 20, Deduct	-121.50			
	For >20 To 40, Deduct	-219.40			
	For >40, Deduct	-462.40			
26 56 13 00-0222	EA 39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,976.73		602.02	
	For Galvanized Finish, Add	83.18			
	For >10 To 20, Deduct	-141.01			
	For >20 To 40, Deduct	-254.29			
	For >40, Deduct	-536.31			



Electrical			26
Lighting			26 50
Exterior Lighting			26 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0223	EA		45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	4,831.77	782.62
			For Galvanized Finish, Add	98.00	
			For >10 To 20, Deduct	-169.79	
			For >20 To 40, Deduct	-306.92	
			For >40, Deduct	-646.50	
26 56 13 00-0224	EA		50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	5,633.22	903.02
			For Galvanized Finish, Add	114.82	
			For >10 To 20, Deduct	-198.24	
			For >20 To 40, Deduct	-358.20	
			For >40, Deduct	-754.68	
26 56 13 00-0225	EA		50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	6,224.36	903.02
			For Galvanized Finish, Add	132.55	
			For >10 To 20, Deduct	-221.88	
			For >20 To 40, Deduct	-399.58	
			For >40, Deduct	-843.35	
26 56 13 00-0226	EA		50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	8,199.68	903.02
			For Galvanized Finish, Add	191.81	
			For >10 To 20, Deduct	-300.90	
			For >20 To 40, Deduct	-537.86	
			For >40, Deduct	-1,139.65	
26 56 13 00-0227	EA		50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	9,158.29	903.02
			For Galvanized Finish, Add	220.57	
			For >10 To 20, Deduct	-339.24	
			For >20 To 40, Deduct	-604.96	
			For >40, Deduct	-1,283.44	
26 56 13 00-0228			Square Straight, Steel Area Light Poles (26 56 13 00-0178)		
26 56 13 00-0229			Square Straight, Steel Area Light Poles, Anchor Base (26 56 13 00-0228)		
26 56 13 00-0230	EA		10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	934.11	210.70
			For Galvanized Finish, Add	15.38	
			For >10 To 20, Deduct	-31.04	
			For >20 To 40, Deduct	-56.96	
			For >40, Deduct	-119.05	
26 56 13 00-0231	EA		12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	994.32	240.80
			For Galvanized Finish, Add	15.38	
			For >10 To 20, Deduct	-32.55	
			For >20 To 40, Deduct	-59.97	
			For >40, Deduct	-125.07	
26 56 13 00-0232	EA		14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,079.21	270.90
			For Galvanized Finish, Add	16.12	
			For >10 To 20, Deduct	-35.04	
			For >20 To 40, Deduct	-64.71	
			For >40, Deduct	-134.79	
26 56 13 00-0233	EA		15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,144.17	285.95
			For Galvanized Finish, Add	17.17	
			For >10 To 20, Deduct	-37.19	
			For >20 To 40, Deduct	-68.65	
			For >40, Deduct	-143.03	
26 56 13 00-0234	EA		16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,174.28	301.00
			For Galvanized Finish, Add	17.17	
			For >10 To 20, Deduct	-37.94	
			For >20 To 40, Deduct	-70.16	
			For >40, Deduct	-146.04	
26 56 13 00-0235	EA		18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,250.46	331.10
			For Galvanized Finish, Add	17.65	
			For >10 To 20, Deduct	-40.09	
			For >20 To 40, Deduct	-74.29	
			For >40, Deduct	-154.46	
26 56 13 00-0236	EA		20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,323.73	361.20
			For Galvanized Finish, Add	18.04	
			For >10 To 20, Deduct	-42.11	
			For >20 To 40, Deduct	-78.21	
			For >40, Deduct	-162.44	
26 56 13 00-0237	EA		25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,651.68	481.61
			For Galvanized Finish, Add	20.65	
			For >10 To 20, Deduct	-51.62	
			For >20 To 40, Deduct	-96.35	
			For >40, Deduct	-199.59	
26 56 13 00-0238	EA		20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,519.81	361.20
			For Galvanized Finish, Add	23.92	
			For >10 To 20, Deduct	-49.96	
			For >20 To 40, Deduct	-91.94	
			For >40, Deduct	-191.85	
26 56 13 00-0239	EA		25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,921.83	481.61
			For Galvanized Finish, Add	28.76	
			For >10 To 20, Deduct	-62.42	
			For >20 To 40, Deduct	-115.26	
			For >40, Deduct	-240.11	
26 56 13 00-0240	EA		30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,200.55	541.81
			For Galvanized Finish, Add	33.51	
			For >10 To 20, Deduct	-71.77	
			For >20 To 40, Deduct	-132.37	
			For >40, Deduct	-275.90	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0241	EA	20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	.....	1,466.07	361.20
		For Galvanized Finish, Add	22.31		
		For >10 To 20, Deduct	-47.81		
		For >20 To 40, Deduct	-88.18		
		For >40, Deduct	-183.79		
26 56 13 00-0242	EA	25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	.....	1,817.25	481.61
		For Galvanized Finish, Add	25.62		
		For >10 To 20, Deduct	-58.24		
		For >20 To 40, Deduct	-107.94		
		For >40, Deduct	-224.43		
26 56 13 00-0243	EA	30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	.....	2,110.50	541.81
		For Galvanized Finish, Add	30.81		
		For >10 To 20, Deduct	-68.17		
		For >20 To 40, Deduct	-126.06		
		For >40, Deduct	-262.39		
26 56 13 00-0244	EA	20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	.....	1,650.53	361.20
		For Galvanized Finish, Add	27.84		
		For >10 To 20, Deduct	-55.18		
		For >20 To 40, Deduct	-101.09		
		For >40, Deduct	-211.46		
26 56 13 00-0245	EA	25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	.....	2,052.55	481.61
		For Galvanized Finish, Add	32.68		
		For >10 To 20, Deduct	-67.65		
		For >20 To 40, Deduct	-124.41		
		For >40, Deduct	-259.72		
26 56 13 00-0246	EA	30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	.....	2,324.00	541.81
		For Galvanized Finish, Add	37.21		
		For >10 To 20, Deduct	-76.71		
		For >20 To 40, Deduct	-141.01		
		For >40, Deduct	-294.42		
26 56 13 00-0247	EA	35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	.....	2,564.31	571.91
		For Galvanized Finish, Add	42.61		
		For >10 To 20, Deduct	-85.42		
		For >20 To 40, Deduct	-156.63		
		For >40, Deduct	-327.46		
26 56 13 00-0248	EA	30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	.....	2,610.13	541.81
		For Galvanized Finish, Add	45.80		
		For >10 To 20, Deduct	-88.15		
		For >20 To 40, Deduct	-161.04		
		For >40, Deduct	-337.34		
26 56 13 00-0249	EA	35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	.....	2,851.89	571.91
		For Galvanized Finish, Add	51.24		
		For >10 To 20, Deduct	-96.92		
		For >20 To 40, Deduct	-176.76		
		For >40, Deduct	-370.59		
26 56 13 00-0250	EA	40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	.....	3,015.21	602.02
		For Galvanized Finish, Add	54.34		
		For >10 To 20, Deduct	-102.55		
		For >20 To 40, Deduct	-186.98		
		For >40, Deduct	-392.08		
26 56 13 00-0251		Hinged, Square Straight, Steel Area Light Poles (26 56 13 00-0178)			
26 56 13 00-0252		Hinged, Square Straight, Steel Area Light Poles, Anchor Base (26 56 13 00-0251)			
26 56 13 00-0253	EA	20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	.....	3,130.87	361.20
		For Galvanized Finish, Add	72.25		
		For >10 To 20, Deduct	-114.40		
		For >20 To 40, Deduct	-204.71		
		For >40, Deduct	-433.51		
26 56 13 00-0254	EA	25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	.....	3,535.43	481.61
		For Galvanized Finish, Add	77.17		
		For >10 To 20, Deduct	-126.97		
		For >20 To 40, Deduct	-228.22		
		For >40, Deduct	-482.15		
26 56 13 00-0255	EA	30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	.....	4,879.36	541.81
		For Galvanized Finish, Add	113.87		
		For >10 To 20, Deduct	-178.92		
		For >20 To 40, Deduct	-319.88		
		For >40, Deduct	-677.72		
26 56 13 00-0256	EA	20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	.....	3,189.57	361.20
		For Galvanized Finish, Add	74.01		
		For >10 To 20, Deduct	-116.75		
		For >20 To 40, Deduct	-208.82		
		For >40, Deduct	-442.31		
26 56 13 00-0257	EA	25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	.....	3,876.84	481.61
		For Galvanized Finish, Add	87.41		
		For >10 To 20, Deduct	-140.63		
		For >20 To 40, Deduct	-252.11		
		For >40, Deduct	-533.37		
26 56 13 00-0258	EA	30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	.....	5,387.62	541.81
		For Galvanized Finish, Add	129.12		
		For >10 To 20, Deduct	-199.25		
		For >20 To 40, Deduct	-355.46		
		For >40, Deduct	-753.96		



Electrical			26
Lighting			26 50
Exterior Lighting			26 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0259	EA	35'	High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	6,156.92	571.91
			For Galvanized Finish, Add	150.39	
			For >10 To 20, Deduct	-229.12	
			For >20 To 40, Deduct	-408.11	
			For >40, Deduct	-866.35	
26 56 13 00-0260	EA	39'	High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	7,201.20	602.02
			For Galvanized Finish, Add	179.92	
			For >10 To 20, Deduct	-269.99	
			For >20 To 40, Deduct	-480.00	
			For >40, Deduct	-1,019.98	
26 56 13 00-0261	EA	20'	High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	3,038.18	361.20
			For Galvanized Finish, Add	69.47	
			For >10 To 20, Deduct	-110.69	
			For >20 To 40, Deduct	-198.22	
			For >40, Deduct	-419.61	
26 56 13 00-0262	EA	25'	High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	3,387.12	481.61
			For Galvanized Finish, Add	72.72	
			For >10 To 20, Deduct	-121.04	
			For >20 To 40, Deduct	-217.83	
			For >40, Deduct	-459.91	
26 56 13 00-0263	EA	30'	High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	4,618.28	541.81
			For Galvanized Finish, Add	106.04	
			For >10 To 20, Deduct	-168.48	
			For >20 To 40, Deduct	-301.61	
			For >40, Deduct	-638.56	
26 56 13 00-0264	EA	20'	High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	3,144.77	361.20
			For Galvanized Finish, Add	72.67	
			For >10 To 20, Deduct	-114.95	
			For >20 To 40, Deduct	-205.69	
			For >40, Deduct	-435.59	
26 56 13 00-0265	EA	25'	High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	3,737.80	481.61
			For Galvanized Finish, Add	83.24	
			For >10 To 20, Deduct	-135.06	
			For >20 To 40, Deduct	-242.38	
			For >40, Deduct	-512.51	
26 56 13 00-0266	EA	30'	High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base.....	5,194.51	541.81
			For Galvanized Finish, Add	123.33	
			For >10 To 20, Deduct	-191.53	
			For >20 To 40, Deduct	-341.94	
			For >40, Deduct	-725.00	
26 56 13 00-0267	EA	20'	High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	3,308.53	361.20
			For Galvanized Finish, Add	77.58	
			For >10 To 20, Deduct	-121.50	
			For >20 To 40, Deduct	-217.15	
			For >40, Deduct	-460.16	
26 56 13 00-0268	EA	25'	High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	4,032.87	481.61
			For Galvanized Finish, Add	92.09	
			For >10 To 20, Deduct	-146.87	
			For >20 To 40, Deduct	-263.04	
			For >40, Deduct	-556.77	
26 56 13 00-0269	EA	30'	High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	5,542.11	541.81
			For Galvanized Finish, Add	133.75	
			For >10 To 20, Deduct	-205.43	
			For >20 To 40, Deduct	-366.28	
			For >40, Deduct	-777.14	
26 56 13 00-0270	EA	35'	High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	6,345.39	571.91
			For Galvanized Finish, Add	156.05	
			For >10 To 20, Deduct	-236.66	
			For >20 To 40, Deduct	-421.30	
			For >40, Deduct	-894.62	
26 56 13 00-0271	EA	39'	High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	7,301.61	602.02
			For Galvanized Finish, Add	182.93	
			For >10 To 20, Deduct	-274.00	
			For >20 To 40, Deduct	-487.03	
			For >40, Deduct	-1,035.04	
26 56 13 00-0272	Square Tapered, Steel Area Light Poles (26 56 13 00-0178)				
26 56 13 00-0273	Square Tapered, Steel Area Light Poles, Anchor Base (26 56 13 00-0272)				
26 56 13 00-0274	EA	20'	High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	2,417.42	361.20
			For Galvanized Finish, Add	50.85	
			For >10 To 20, Deduct	-85.86	
			For >20 To 40, Deduct	-154.77	
			For >40, Deduct	-326.49	
26 56 13 00-0275	EA	25'	High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	2,957.42	481.61
			For Galvanized Finish, Add	59.83	
			For >10 To 20, Deduct	-103.85	
			For >20 To 40, Deduct	-187.76	
			For >40, Deduct	-395.45	
26 56 13 00-0276	EA	30'	High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,294.23	541.81
			For Galvanized Finish, Add	66.32	
			For >10 To 20, Deduct	-115.51	
			For >20 To 40, Deduct	-208.92	
			For >40, Deduct	-439.95	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0277	EA	35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,640.56	571.91	
		For Galvanized Finish, Add	74.90		
		For >10 To 20, Deduct	-128.47		
		For >20 To 40, Deduct	-231.96		
		For >40, Deduct	-488.89		
26 56 13 00-0278	EA	39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,837.29	602.02	
		For Galvanized Finish, Add	79.00		
		For >10 To 20, Deduct	-135.43		
		For >20 To 40, Deduct	-244.53		
		For >40, Deduct	-515.39		
26 56 13 00-0279	EA	20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,069.56	361.20	
		For Galvanized Finish, Add	70.41		
		For >10 To 20, Deduct	-111.95		
		For >20 To 40, Deduct	-200.42		
		For >40, Deduct	-424.31		
26 56 13 00-0280	EA	25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,468.68	481.61	
		For Galvanized Finish, Add	75.16		
		For >10 To 20, Deduct	-124.30		
		For >20 To 40, Deduct	-223.54		
		For >40, Deduct	-472.14		
26 56 13 00-0281	EA	30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,712.54	541.81	
		For Galvanized Finish, Add	78.87		
		For >10 To 20, Deduct	-132.25		
		For >20 To 40, Deduct	-238.21		
		For >40, Deduct	-502.70		
26 56 13 00-0282	EA	30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,095.98	541.81	
		For Galvanized Finish, Add	90.37		
		For >10 To 20, Deduct	-147.58		
		For >20 To 40, Deduct	-265.05		
		For >40, Deduct	-560.22		
26 56 13 00-0283	EA	35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,432.14	571.91	
		For Galvanized Finish, Add	98.65		
		For >10 To 20, Deduct	-160.13		
		For >20 To 40, Deduct	-287.37		
		For >40, Deduct	-607.63		
26 56 13 00-0284	EA	35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,907.09	571.91	
		For Galvanized Finish, Add	112.90		
		For >10 To 20, Deduct	-179.13		
		For >20 To 40, Deduct	-320.62		
		For >40, Deduct	-678.87		
26 56 13 00-0285	EA	39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,514.13	602.02	
		For Galvanized Finish, Add	99.30		
		For >10 To 20, Deduct	-162.50		
		For >20 To 40, Deduct	-291.91		
		For >40, Deduct	-616.92		
26 56 13 00-0286	EA	39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	5,683.34	602.02	
		For Galvanized Finish, Add	134.38		
		For >10 To 20, Deduct	-209.27		
		For >20 To 40, Deduct	-373.75		
		For >40, Deduct	-792.30		
26 56 13 00-0287	EA	45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	5,367.72	782.62	
		For Galvanized Finish, Add	114.07		
		For >10 To 20, Deduct	-191.23		
		For >20 To 40, Deduct	-344.44		
		For >40, Deduct	-726.90		
26 56 13 00-0288	EA	45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	6,165.11	782.62	
		For Galvanized Finish, Add	138.00		
		For >10 To 20, Deduct	-223.13		
		For >20 To 40, Deduct	-400.25		
		For >40, Deduct	-846.51		
26 56 13 00-0289	EA	50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	6,446.59	903.02	
		For Galvanized Finish, Add	139.22		
		For >10 To 20, Deduct	-230.77		
		For >20 To 40, Deduct	-415.14		
		For >40, Deduct	-876.69		
26 56 13 00-0290		Factory Accessories For Steel Area Light Poles (26 56 13 00-0178)			
26 56 13 00-0291	EA	1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles.....	51.50		
26 56 13 00-0292	EA	Extra Handhole For Steel Area Light Poles.....	76.58		
26 56 13 00-0293	EA	Vibration Dampener For Steel Area Light Poles.....	77.90		
26 56 13 00-0294		Aluminum Area Light Poles (26 56 13 00-0177)			
		Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.			
26 56 13 00-0295		Round Straight, Aluminum Area Light Poles (26 56 13 00-0294)			
26 56 13 00-0296		Round Straight, Aluminum Area Light Poles, Anchor Base (26 56 13 00-0295)			
26 56 13 00-0297	EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base.....	784.32	180.60	
		For Bronze Or Satin Anodized Finish, Add	42.31		
		For Black Anodized Finish, Add	84.62		
		For >10 To 20, Deduct	-25.95		
		For >20 To 40, Deduct	-47.68		
		For >40, Deduct	-99.59		



Electrical		26
Lighting		26 50
Exterior Lighting		26 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0298	EA	10'	High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base.....	866.22	210.70
			For Bronze Or Satin Anodized Finish, Add	44.48	
			For Black Anodized Finish, Add	88.96	
			For >10 To 20, Deduct	-28.33	
			For >20 To 40, Deduct	-52.21	
			For >40, Deduct	-108.86	
26 56 13 00-0299	EA	12'	High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base.....	953.55	240.80
			For Bronze Or Satin Anodized Finish, Add	47.19	
			For Black Anodized Finish, Add	94.39	
			For >10 To 20, Deduct	-30.92	
			For >20 To 40, Deduct	-57.12	
			For >40, Deduct	-118.95	
26 56 13 00-0300	EA	14'	High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,041.96	270.90
			For Bronze Or Satin Anodized Finish, Add	50.02	
			For Black Anodized Finish, Add	100.03	
			For >10 To 20, Deduct	-33.55	
			For >20 To 40, Deduct	-62.10	
			For >40, Deduct	-129.20	
26 56 13 00-0301	EA	15'	High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,090.51	285.95
			For Bronze Or Satin Anodized Finish, Add	51.86	
			For Black Anodized Finish, Add	103.72	
			For >10 To 20, Deduct	-35.04	
			For >20 To 40, Deduct	-64.90	
			For >40, Deduct	-134.98	
26 56 13 00-0302	EA	16'	High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,137.98	301.00
			For Bronze Or Satin Anodized Finish, Add	53.60	
			For Black Anodized Finish, Add	107.19	
			For >10 To 20, Deduct	-36.49	
			For >20 To 40, Deduct	-67.62	
			For >40, Deduct	-140.60	
26 56 13 00-0303	EA	16'	High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,203.07	301.00
			For Bronze Or Satin Anodized Finish, Add	60.11	
			For Black Anodized Finish, Add	120.21	
			For >10 To 20, Deduct	-39.09	
			For >20 To 40, Deduct	-72.17	
			For >40, Deduct	-150.36	
26 56 13 00-0304	EA	18'	High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,304.50	331.10
			For Bronze Or Satin Anodized Finish, Add	64.23	
			For Black Anodized Finish, Add	128.46	
			For >10 To 20, Deduct	-42.25	
			For >20 To 40, Deduct	-78.07	
			For >40, Deduct	-162.56	
26 56 13 00-0305	EA	20'	High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,399.42	361.20
			For Bronze Or Satin Anodized Finish, Add	67.70	
			For Black Anodized Finish, Add	135.40	
			For >10 To 20, Deduct	-45.14	
			For >20 To 40, Deduct	-83.51	
			For >40, Deduct	-173.79	
26 56 13 00-0306	EA	15'	High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,330.28	285.95
			For Bronze Or Satin Anodized Finish, Add	75.84	
			For Black Anodized Finish, Add	151.67	
			For >10 To 20, Deduct	-44.63	
			For >20 To 40, Deduct	-81.68	
			For >40, Deduct	-170.95	
26 56 13 00-0307	EA	20'	High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,639.19	361.20
			For Bronze Or Satin Anodized Finish, Add	91.68	
			For Black Anodized Finish, Add	183.35	
			For >10 To 20, Deduct	-54.73	
			For >20 To 40, Deduct	-100.29	
			For >40, Deduct	-209.76	
26 56 13 00-0308	EA	20'	High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,760.70	361.20
			For Bronze Or Satin Anodized Finish, Add	103.83	
			For Black Anodized Finish, Add	207.66	
			For >10 To 20, Deduct	-59.59	
			For >20 To 40, Deduct	-108.80	
			For >40, Deduct	-227.98	
26 56 13 00-0309	EA	25'	High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	2,115.42	481.61
			For Bronze Or Satin Anodized Finish, Add	115.22	
			For Black Anodized Finish, Add	230.44	
			For >10 To 20, Deduct	-70.17	
			For >20 To 40, Deduct	-128.82	
			For >40, Deduct	-269.15	
26 56 13 00-0310	EA	30'	High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	2,451.72	541.81
			For Bronze Or Satin Anodized Finish, Add	136.81	
			For Black Anodized Finish, Add	273.62	
			For >10 To 20, Deduct	-81.81	
			For >20 To 40, Deduct	-149.95	
			For >40, Deduct	-313.58	
26 56 13 00-0311	EA	20'	High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,474.28	361.20
			For Bronze Or Satin Anodized Finish, Add	75.19	
			For Black Anodized Finish, Add	150.37	
			For >10 To 20, Deduct	-48.13	
			For >20 To 40, Deduct	-88.75	
			For >40, Deduct	-185.02	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0312	EA	20'	High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,750.93	361.20
			For Bronze Or Satin Anodized Finish, Add	102.85	
			For Black Anodized Finish, Add	205.70	
			For >10 To 20, Deduct	-59.20	
			For >20 To 40, Deduct	-108.12	
			For >40, Deduct	-226.52	
26 56 13 00-0313	EA	25'	High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base.....	2,098.06	481.61
			For Bronze Or Satin Anodized Finish, Add	113.48	
			For Black Anodized Finish, Add	226.97	
			For >10 To 20, Deduct	-69.47	
			For >20 To 40, Deduct	-127.60	
			For >40, Deduct	-266.55	
26 56 13 00-0314	EA	25'	High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base.....	2,255.37	481.61
			For Bronze Or Satin Anodized Finish, Add	129.22	
			For Black Anodized Finish, Add	258.43	
			For >10 To 20, Deduct	-75.77	
			For >20 To 40, Deduct	-138.61	
			For >40, Deduct	-290.14	
26 56 13 00-0315	EA	30'	High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base.....	2,629.65	541.81
			For Bronze Or Satin Anodized Finish, Add	154.60	
			For Black Anodized Finish, Add	309.21	
			For >10 To 20, Deduct	-88.93	
			For >20 To 40, Deduct	-162.40	
			For >40, Deduct	-340.27	
26 56 13 00-0316 Round Straight, Aluminum Area Light Poles, Hinged Anchor Base (26 56 13 00-0295)					
26 56 13 00-0317	EA	8'	High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	894.99	180.60
			For Bronze, Satin Or Black Anodized Finish, Add	80.07	
			For >10 To 20, Deduct	-30.38	
			For >20 To 40, Deduct	-55.43	
			For >40, Deduct	-116.19	
26 56 13 00-0318	EA	10'	High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	998.58	210.70
			For Bronze, Satin Or Black Anodized Finish, Add	86.58	
			For >10 To 20, Deduct	-33.62	
			For >20 To 40, Deduct	-61.47	
			For >40, Deduct	-128.72	
26 56 13 00-0319	EA	12'	High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,097.85	240.80
			For Bronze, Satin Or Black Anodized Finish, Add	92.44	
			For >10 To 20, Deduct	-36.69	
			For >20 To 40, Deduct	-67.22	
			For >40, Deduct	-140.60	
26 56 13 00-0320	EA	14'	High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,176.49	270.90
			For Bronze, Satin Or Black Anodized Finish, Add	95.20	
			For >10 To 20, Deduct	-38.93	
			For >20 To 40, Deduct	-71.52	
			For >40, Deduct	-149.38	
26 56 13 00-0321	EA	16'	High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,268.17	301.00
			For Bronze, Satin Or Black Anodized Finish, Add	99.92	
			For >10 To 20, Deduct	-41.70	
			For >20 To 40, Deduct	-76.73	
			For >40, Deduct	-160.12	
26 56 13 00-0322	EA	10'	High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,021.37	210.70
			For Bronze, Satin Or Black Anodized Finish, Add	90.00	
			For >10 To 20, Deduct	-34.53	
			For >20 To 40, Deduct	-63.07	
			For >40, Deduct	-132.14	
26 56 13 00-0323	EA	12'	High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,118.46	240.80
			For Bronze, Satin Or Black Anodized Finish, Add	95.53	
			For >10 To 20, Deduct	-37.51	
			For >20 To 40, Deduct	-68.66	
			For >40, Deduct	-143.69	
26 56 13 00-0324	EA	14'	High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,218.81	270.90
			For Bronze, Satin Or Black Anodized Finish, Add	101.55	
			For >10 To 20, Deduct	-40.63	
			For >20 To 40, Deduct	-74.48	
			For >40, Deduct	-155.73	
26 56 13 00-0325	EA	16'	High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,318.07	301.00
			For Bronze, Satin Or Black Anodized Finish, Add	107.41	
			For >10 To 20, Deduct	-43.69	
			For >20 To 40, Deduct	-80.22	
			For >40, Deduct	-167.61	
26 56 13 00-0326	EA	18'	High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,422.76	331.10
			For Bronze, Satin Or Black Anodized Finish, Add	114.08	
			For >10 To 20, Deduct	-46.98	
			For >20 To 40, Deduct	-86.35	
			For >40, Deduct	-180.30	
26 56 13 00-0327	EA	20'	High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,520.93	361.20
			For Bronze, Satin Or Black Anodized Finish, Add	119.78	
			For >10 To 20, Deduct	-50.00	
			For >20 To 40, Deduct	-92.02	
			For >40, Deduct	-192.02	



Electrical			26
Lighting			26 50
Exterior Lighting			26 56

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0328	EA	12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,160.78	240.80
		For Bronze, Satin Or Black Anodized Finish, Add	101.88	
		For >10 To 20, Deduct	-39.21	
		For >20 To 40, Deduct	-71.62	
		For >40, Deduct	-150.04	
26 56 13 00-0329	EA	14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,268.71	270.90
		For Bronze, Satin Or Black Anodized Finish, Add	109.04	
		For >10 To 20, Deduct	-42.62	
		For >20 To 40, Deduct	-77.97	
		For >40, Deduct	-163.22	
26 56 13 00-0330	EA	16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,375.58	301.00
		For Bronze, Satin Or Black Anodized Finish, Add	116.03	
		For >10 To 20, Deduct	-46.99	
		For >20 To 40, Deduct	-84.25	
		For >40, Deduct	-176.24	
26 56 13 00-0331	EA	18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,484.60	331.10
		For Bronze, Satin Or Black Anodized Finish, Add	123.36	
		For >10 To 20, Deduct	-49.45	
		For >20 To 40, Deduct	-90.68	
		For >40, Deduct	-189.58	
26 56 13 00-0332	EA	16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,436.33	301.00
		For Bronze, Satin Or Black Anodized Finish, Add	125.15	
		For >10 To 20, Deduct	-48.42	
		For >20 To 40, Deduct	-88.50	
		For >40, Deduct	-185.35	
26 56 13 00-0333	EA	20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,663.05	361.20
		For Bronze, Satin Or Black Anodized Finish, Add	141.09	
		For >10 To 20, Deduct	-55.69	
		For >20 To 40, Deduct	-101.97	
		For >40, Deduct	-213.34	
26 56 13 00-0334	EA	12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,200.92	240.80
		For Bronze, Satin Or Black Anodized Finish, Add	107.90	
		For >10 To 20, Deduct	-40.81	
		For >20 To 40, Deduct	-74.43	
		For >40, Deduct	-156.06	
26 56 13 00-0335	EA	14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,320.79	270.90
		For Bronze, Satin Or Black Anodized Finish, Add	116.85	
		For >10 To 20, Deduct	-44.70	
		For >20 To 40, Deduct	-81.62	
		For >40, Deduct	-171.03	
26 56 13 00-0336	EA	16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,429.82	301.00
		For Bronze, Satin Or Black Anodized Finish, Add	124.17	
		For >10 To 20, Deduct	-48.16	
		For >20 To 40, Deduct	-88.05	
		For >40, Deduct	-184.37	
26 56 13 00-0337	EA	18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,545.35	331.10
		For Bronze, Satin Or Black Anodized Finish, Add	132.47	
		For >10 To 20, Deduct	-51.88	
		For >20 To 40, Deduct	-94.93	
		For >40, Deduct	-198.69	
26 56 13 00-0338	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,657.63	361.20
		For Bronze, Satin Or Black Anodized Finish, Add	140.28	
		For >10 To 20, Deduct	-55.47	
		For >20 To 40, Deduct	-101.59	
		For >40, Deduct	-212.52	
26 56 13 00-0339	EA	16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,509.02	301.00
		For Bronze, Satin Or Black Anodized Finish, Add	136.05	
		For >10 To 20, Deduct	-51.33	
		For >20 To 40, Deduct	-93.59	
		For >40, Deduct	-196.25	
26 56 13 00-0340	EA	18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,634.32	331.10
		For Bronze, Satin Or Black Anodized Finish, Add	145.82	
		For >10 To 20, Deduct	-55.44	
		For >20 To 40, Deduct	-101.16	
		For >40, Deduct	-212.04	
26 56 13 00-0341	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,691.26	361.20
		For Bronze, Satin Or Black Anodized Finish, Add	145.33	
		For >10 To 20, Deduct	-56.81	
		For >20 To 40, Deduct	-103.94	
		For >40, Deduct	-217.57	
26 56 13 00-0342	Round Straight, Aluminum Area Light Poles, Direct Burial (26 56 13 00-0295)			
	Note: Includes rubberized undercoating on embedded portion.			
26 56 13 00-0343	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial.....	700.25	150.50
		For Bronze Or Satin Anodized Finish, Add	39.93	
		For Black Anodized Finish, Add	79.85	
		For >10 To 20, Deduct	-23.50	
		For >20 To 40, Deduct	-43.00	
		For >40, Deduct	-89.99	
26 56 13 00-0344	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial.....	750.97	165.55
		For Bronze Or Satin Anodized Finish, Add	41.99	
		For Black Anodized Finish, Add	83.97	
		For >10 To 20, Deduct	-25.07	
		For >20 To 40, Deduct	-45.95	
		For >40, Deduct	-96.09	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0345	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial.....	829.89	180.60
		For Bronze Or Satin Anodized Finish, Add	46.87	
		For Black Anodized Finish, Add	93.74	
		For >10 To 20, Deduct	-27.78	
		For >20 To 40, Deduct	-50.87	
		For >40, Deduct	-106.42	
26 56 13 00-0346	EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial.....	854.84	180.60
		For Bronze Or Satin Anodized Finish, Add	49.36	
		For Black Anodized Finish, Add	98.73	
		For >10 To 20, Deduct	-28.78	
		For >20 To 40, Deduct	-52.61	
		For >40, Deduct	-110.17	
26 56 13 00-0347	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial.....	886.31	180.60
		For Bronze Or Satin Anodized Finish, Add	52.51	
		For Black Anodized Finish, Add	105.02	
		For >10 To 20, Deduct	-30.03	
		For >20 To 40, Deduct	-54.82	
		For >40, Deduct	-114.89	
26 56 13 00-0348	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial.....	1,011.88	195.65
		For Bronze Or Satin Anodized Finish, Add	62.06	
		For Black Anodized Finish, Add	124.12	
		For >10 To 20, Deduct	-34.61	
		For >20 To 40, Deduct	-63.01	
		For >40, Deduct	-132.22	
26 56 13 00-0349	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial.....	1,082.12	210.70
		For Bronze Or Satin Anodized Finish, Add	66.07	
		For Black Anodized Finish, Add	132.14	
		For >10 To 20, Deduct	-36.96	
		For >20 To 40, Deduct	-67.32	
		For >40, Deduct	-141.25	
26 56 13 00-0350	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial.....	1,250.29	210.70
		For Bronze Or Satin Anodized Finish, Add	82.89	
		For Black Anodized Finish, Add	165.78	
		For >10 To 20, Deduct	-43.69	
		For >20 To 40, Deduct	-79.09	
		For >40, Deduct	-166.47	
26 56 13 00-0351	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial.....	1,526.40	240.80
		For Bronze Or Satin Anodized Finish, Add	104.48	
		For Black Anodized Finish, Add	208.96	
		For >10 To 20, Deduct	-53.83	
		For >20 To 40, Deduct	-97.22	
		For >40, Deduct	-204.88	
26 56 13 00-0352	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial.....	1,731.98	270.90
		For Bronze Or Satin Anodized Finish, Add	119.02	
		For Black Anodized Finish, Add	238.03	
		For >10 To 20, Deduct	-61.15	
		For >20 To 40, Deduct	-110.40	
		For >40, Deduct	-232.71	
26 56 13 00-0353	EA	30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial.....	1,930.52	270.90
		For Bronze Or Satin Anodized Finish, Add	138.87	
		For Black Anodized Finish, Add	277.74	
		For >10 To 20, Deduct	-69.09	
		For >20 To 40, Deduct	-124.30	
		For >40, Deduct	-262.49	
26 56 13 00-0354		Round Tapered, Aluminum Area Light Poles (26 56 13 00-0294)		
26 56 13 00-0355		Round Tapered, Aluminum Area Light Poles, Anchor Base (26 56 13 00-0354)		
26 56 13 00-0356	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	668.24	180.60
		For Bronze Or Satin Anodized Finish, Add	30.70	
		For Black Anodized Finish, Add	61.41	
		For >10 To 20, Deduct	-21.31	
		For >20 To 40, Deduct	-39.55	
		For >40, Deduct	-82.18	
26 56 13 00-0357	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	753.39	210.70
		For Bronze Or Satin Anodized Finish, Add	33.20	
		For Black Anodized Finish, Add	66.40	
		For >10 To 20, Deduct	-23.81	
		For >20 To 40, Deduct	-44.31	
		For >40, Deduct	-91.94	
26 56 13 00-0358	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	838.55	240.80
		For Bronze Or Satin Anodized Finish, Add	35.69	
		For Black Anodized Finish, Add	71.39	
		For >10 To 20, Deduct	-26.32	
		For >20 To 40, Deduct	-49.07	
		For >40, Deduct	-101.70	
26 56 13 00-0359	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	933.47	270.90
		For Bronze Or Satin Anodized Finish, Add	39.17	
		For Black Anodized Finish, Add	78.33	
		For >10 To 20, Deduct	-29.21	
		For >20 To 40, Deduct	-54.51	
		For >40, Deduct	-112.93	



		Electrical	26	26
		Lighting	26 50	
		Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0360	EA	16'	High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,027.31	301.00
			For Bronze Or Satin Anodized Finish, Add	42.53	
			For Black Anodized Finish, Add	85.06	
			For >10 To 20, Deduct	-32.06	
			For >20 To 40, Deduct	-59.87	
			For >40, Deduct	-124.00	
26 56 13 00-0361	EA	10'	High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	781.60	210.70
			For Bronze Or Satin Anodized Finish, Add	36.02	
			For Black Anodized Finish, Add	72.04	
			For >10 To 20, Deduct	-24.94	
			For >20 To 40, Deduct	-46.28	
			For >40, Deduct	-96.17	
26 56 13 00-0362	EA	12'	High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	883.03	240.80
			For Bronze Or Satin Anodized Finish, Add	40.14	
			For Black Anodized Finish, Add	80.28	
			For >10 To 20, Deduct	-28.10	
			For >20 To 40, Deduct	-52.18	
			For >40, Deduct	-108.37	
26 56 13 00-0363	EA	14'	High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	981.21	270.90
			For Bronze Or Satin Anodized Finish, Add	43.94	
			For Black Anodized Finish, Add	87.88	
			For >10 To 20, Deduct	-31.12	
			For >20 To 40, Deduct	-57.85	
			For >40, Deduct	-120.09	
26 56 13 00-0364	EA	18'	High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,169.97	331.10
			For Bronze Or Satin Anodized Finish, Add	50.78	
			For Black Anodized Finish, Add	101.55	
			For >10 To 20, Deduct	-36.87	
			For >20 To 40, Deduct	-68.65	
			For >40, Deduct	-142.38	
26 56 13 00-0365	EA	20'	High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,257.29	361.20
			For Bronze Or Satin Anodized Finish, Add	53.49	
			For Black Anodized Finish, Add	106.97	
			For >10 To 20, Deduct	-39.46	
			For >20 To 40, Deduct	-73.56	
			For >40, Deduct	-152.47	
26 56 13 00-0366	EA	12'	High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	923.18	240.80
			For Bronze Or Satin Anodized Finish, Add	44.16	
			For Black Anodized Finish, Add	88.31	
			For >10 To 20, Deduct	-29.70	
			For >20 To 40, Deduct	-54.99	
			For >40, Deduct	-114.40	
26 56 13 00-0367	EA	14'	High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,027.86	270.90
			For Bronze Or Satin Anodized Finish, Add	48.61	
			For Black Anodized Finish, Add	97.21	
			For >10 To 20, Deduct	-32.99	
			For >20 To 40, Deduct	-61.11	
			For >40, Deduct	-127.09	
26 56 13 00-0368	EA	16'	High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,140.15	301.00
			For Bronze Or Satin Anodized Finish, Add	53.81	
			For Black Anodized Finish, Add	107.63	
			For >10 To 20, Deduct	-36.58	
			For >20 To 40, Deduct	-67.77	
			For >40, Deduct	-140.92	
26 56 13 00-0369	EA	18'	High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,232.89	331.10
			For Bronze Or Satin Anodized Finish, Add	57.07	
			For Black Anodized Finish, Add	114.13	
			For >10 To 20, Deduct	-39.38	
			For >20 To 40, Deduct	-73.06	
			For >40, Deduct	-151.82	
26 56 13 00-0370	EA	20'	High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,340.83	361.20
			For Bronze Or Satin Anodized Finish, Add	61.84	
			For Black Anodized Finish, Add	123.68	
			For >10 To 20, Deduct	-42.80	
			For >20 To 40, Deduct	-79.41	
			For >40, Deduct	-165.00	
26 56 13 00-0371	EA	16'	High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,246.47	301.00
			For Bronze Or Satin Anodized Finish, Add	64.45	
			For Black Anodized Finish, Add	128.89	
			For >10 To 20, Deduct	-40.83	
			For >20 To 40, Deduct	-75.21	
			For >40, Deduct	-156.87	
26 56 13 00-0372	EA	18'	High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,368.51	331.10
			For Bronze Or Satin Anodized Finish, Add	70.63	
			For Black Anodized Finish, Add	141.26	
			For >10 To 20, Deduct	-44.81	
			For >20 To 40, Deduct	-82.55	
			For >40, Deduct	-172.17	
26 56 13 00-0373	EA	20'	High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,446.07	361.20
			For Bronze Or Satin Anodized Finish, Add	72.37	
			For Black Anodized Finish, Add	144.73	
			For >10 To 20, Deduct	-47.01	
			For >20 To 40, Deduct	-86.78	
			For >40, Deduct	-180.79	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0374	EA	23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,663.03	421.40
		For Bronze Or Satin Anodized Finish, Add	82.02	
		For Black Anodized Finish, Add	164.04	
		For >10 To 20, Deduct	-53.88	
		For >20 To 40, Deduct	-99.56	
		For >40, Deduct	-207.31	
26 56 13 00-0375	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,886.50	481.61
		For Bronze Or Satin Anodized Finish, Add	92.33	
		For Black Anodized Finish, Add	184.66	
		For >10 To 20, Deduct	-61.01	
		For >20 To 40, Deduct	-112.79	
		For >40, Deduct	-234.81	
26 56 13 00-0376	EA	18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,474.83	331.10
		For Bronze Or Satin Anodized Finish, Add	81.26	
		For Black Anodized Finish, Add	162.52	
		For >10 To 20, Deduct	-49.06	
		For >20 To 40, Deduct	-89.99	
		For >40, Deduct	-188.11	
26 56 13 00-0377	EA	20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,575.18	361.20
		For Bronze Or Satin Anodized Finish, Add	85.28	
		For Black Anodized Finish, Add	170.55	
		For >10 To 20, Deduct	-52.17	
		For >20 To 40, Deduct	-95.81	
		For >40, Deduct	-200.16	
26 56 13 00-0378	EA	23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,765.01	421.40
		For Bronze Or Satin Anodized Finish, Add	92.22	
		For Black Anodized Finish, Add	184.44	
		For >10 To 20, Deduct	-57.96	
		For >20 To 40, Deduct	-106.69	
		For >40, Deduct	-222.61	
26 56 13 00-0379	EA	25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,964.61	481.61
		For Bronze Or Satin Anodized Finish, Add	100.14	
		For Black Anodized Finish, Add	200.28	
		For >10 To 20, Deduct	-64.14	
		For >20 To 40, Deduct	-118.26	
		For >40, Deduct	-246.53	
26 56 13 00-0380	EA	28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,112.69	511.71
		For Bronze Or Satin Anodized Finish, Add	108.93	
		For Black Anodized Finish, Add	217.85	
		For >10 To 20, Deduct	-69.16	
		For >20 To 40, Deduct	-127.42	
		For >40, Deduct	-265.73	
26 56 13 00-0381	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,262.94	541.81
		For Bronze Or Satin Anodized Finish, Add	117.93	
		For Black Anodized Finish, Add	235.86	
		For >10 To 20, Deduct	-74.26	
		For >20 To 40, Deduct	-136.73	
		For >40, Deduct	-285.26	
26 56 13 00-0382	EA	23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,865.91	421.40
		For Bronze Or Satin Anodized Finish, Add	102.31	
		For Black Anodized Finish, Add	204.62	
		For >10 To 20, Deduct	-61.99	
		For >20 To 40, Deduct	-113.76	
		For >40, Deduct	-237.75	
26 56 13 00-0383	EA	25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,031.88	481.61
		For Bronze Or Satin Anodized Finish, Add	106.87	
		For Black Anodized Finish, Add	213.73	
		For >10 To 20, Deduct	-66.83	
		For >20 To 40, Deduct	-122.97	
		For >40, Deduct	-256.62	
26 56 13 00-0384	EA	28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,185.38	511.71
		For Bronze Or Satin Anodized Finish, Add	116.20	
		For Black Anodized Finish, Add	232.39	
		For >10 To 20, Deduct	-72.06	
		For >20 To 40, Deduct	-132.51	
		For >40, Deduct	-276.64	
26 56 13 00-0385	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,375.77	541.81
		For Bronze Or Satin Anodized Finish, Add	129.22	
		For Black Anodized Finish, Add	258.43	
		For >10 To 20, Deduct	-78.78	
		For >20 To 40, Deduct	-144.63	
		For >40, Deduct	-302.18	
26 56 13 00-0386	EA	33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,454.69	556.86
		For Bronze Or Satin Anodized Finish, Add	134.10	
		For Black Anodized Finish, Add	268.19	
		For >10 To 20, Deduct	-81.48	
		For >20 To 40, Deduct	-149.55	
		For >40, Deduct	-312.52	
26 56 13 00-0387	EA	35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,616.07	571.91
		For Bronze Or Satin Anodized Finish, Add	147.23	
		For Black Anodized Finish, Add	294.45	
		For >10 To 20, Deduct	-87.49	
		For >20 To 40, Deduct	-160.25	
		For >40, Deduct	-335.22	



		Electrical	26	26
		Lighting	26 50	
		Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0388	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	967.66	240.80	
		For Bronze Or Satin Anodized Finish, Add	48.61		
		For Black Anodized Finish, Add	97.21		
		For >10 To 20, Deduct	-31.48		
		For >20 To 40, Deduct	-58.10		
		For >40, Deduct	-121.07		
26 56 13 00-0389	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,079.94	270.90	
		For Bronze Or Satin Anodized Finish, Add	53.81		
		For Black Anodized Finish, Add	107.63		
		For >10 To 20, Deduct	-35.07		
		For >20 To 40, Deduct	-64.76		
		For >40, Deduct	-134.90		
26 56 13 00-0390	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,196.56	301.00	
		For Bronze Or Satin Anodized Finish, Add	59.45		
		For Black Anodized Finish, Add	118.91		
		For >10 To 20, Deduct	-38.83		
		For >20 To 40, Deduct	-71.72		
		For >40, Deduct	-149.38		
26 56 13 00-0391	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,301.24	331.10	
		For Bronze Or Satin Anodized Finish, Add	63.90		
		For Black Anodized Finish, Add	127.80		
		For >10 To 20, Deduct	-42.12		
		For >20 To 40, Deduct	-77.84		
		For >40, Deduct	-162.08		
26 56 13 00-0392	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,404.84	361.20	
		For Bronze Or Satin Anodized Finish, Add	68.24		
		For Black Anodized Finish, Add	136.48		
		For >10 To 20, Deduct	-45.36		
		For >20 To 40, Deduct	-83.89		
		For >40, Deduct	-174.61		
26 56 13 00-0393	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,314.82	301.00	
		For Bronze Or Satin Anodized Finish, Add	71.28		
		For Black Anodized Finish, Add	142.56		
		For >10 To 20, Deduct	-43.56		
		For >20 To 40, Deduct	-80.00		
		For >40, Deduct	-167.12		
26 56 13 00-0394	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,440.11	331.10	
		For Bronze Or Satin Anodized Finish, Add	77.79		
		For Black Anodized Finish, Add	155.58		
		For >10 To 20, Deduct	-47.67		
		For >20 To 40, Deduct	-87.56		
		For >40, Deduct	-182.91		
26 56 13 00-0395	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,531.78	361.20	
		For Bronze Or Satin Anodized Finish, Add	80.94		
		For Black Anodized Finish, Add	161.87		
		For >10 To 20, Deduct	-50.43		
		For >20 To 40, Deduct	-92.78		
		For >40, Deduct	-193.65		
26 56 13 00-0396	EA	23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,743.31	421.40	
		For Bronze Or Satin Anodized Finish, Add	90.05		
		For Black Anodized Finish, Add	180.10		
		For >10 To 20, Deduct	-57.09		
		For >20 To 40, Deduct	-105.18		
		For >40, Deduct	-219.36		
26 56 13 00-0397	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,961.36	481.61	
		For Bronze Or Satin Anodized Finish, Add	99.81		
		For Black Anodized Finish, Add	199.63		
		For >10 To 20, Deduct	-64.01		
		For >20 To 40, Deduct	-118.03		
		For >40, Deduct	-246.04		
26 56 13 00-0398	EA	23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,988.51	421.40	
		For Bronze Or Satin Anodized Finish, Add	114.57		
		For Black Anodized Finish, Add	229.14		
		For >10 To 20, Deduct	-66.90		
		For >20 To 40, Deduct	-122.34		
		For >40, Deduct	-256.14		
26 56 13 00-0399	EA	25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,194.62	481.61	
		For Bronze Or Satin Anodized Finish, Add	123.14		
		For Black Anodized Finish, Add	246.28		
		For >10 To 20, Deduct	-73.34		
		For >20 To 40, Deduct	-134.36		
		For >40, Deduct	-281.03		
26 56 13 00-0400	EA	28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,361.14	511.71	
		For Bronze Or Satin Anodized Finish, Add	133.77		
		For Black Anodized Finish, Add	267.54		
		For >10 To 20, Deduct	-79.09		
		For >20 To 40, Deduct	-144.81		
		For >40, Deduct	-303.00		
26 56 13 00-0401	EA	30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,509.22	541.81	
		For Bronze Or Satin Anodized Finish, Add	142.56		
		For Black Anodized Finish, Add	285.12		
		For >10 To 20, Deduct	-84.11		
		For >20 To 40, Deduct	-153.97		
		For >40, Deduct	-322.20		

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0402	EA	33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,644.56	556.86
		For Bronze Or Satin Anodized Finish, Add	153.08	
		For Black Anodized Finish, Add	306.17	
		For >10 To 20, Deduct	-89.08	
		For >20 To 40, Deduct	-162.84	
		For >40, Deduct	-341.00	
26 56 13 00-0403	EA	35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,762.54	571.91
		For Bronze Or Satin Anodized Finish, Add	161.87	
		For Black Anodized Finish, Add	323.74	
		For >10 To 20, Deduct	-93.34	
		For >20 To 40, Deduct	-170.50	
		For >40, Deduct	-357.19	
26 56 13 00-0404	EA	37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,863.16	586.97
		For Bronze Or Satin Anodized Finish, Add	168.92	
		For Black Anodized Finish, Add	337.85	
		For >10 To 20, Deduct	-96.92	
		For >20 To 40, Deduct	-176.94	
		For >40, Deduct	-370.78	
26 56 13 00-0405	EA	39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,045.15	602.02
		For Bronze Or Satin Anodized Finish, Add	184.11	
		For Black Anodized Finish, Add	368.23	
		For >10 To 20, Deduct	-103.75	
		For >20 To 40, Deduct	-189.08	
		For >40, Deduct	-396.57	
26 56 13 00-0406	EA	28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,829.83	511.71
		For Bronze Or Satin Anodized Finish, Add	180.64	
		For Black Anodized Finish, Add	361.28	
		For >10 To 20, Deduct	-97.84	
		For >20 To 40, Deduct	-177.62	
		For >40, Deduct	-373.30	
26 56 13 00-0407	EA	30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,051.68	541.81
		For Bronze Or Satin Anodized Finish, Add	196.81	
		For Black Anodized Finish, Add	393.61	
		For >10 To 20, Deduct	-105.81	
		For >20 To 40, Deduct	-191.95	
		For >40, Deduct	-403.57	
26 56 13 00-0408	EA	33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,208.72	556.86
		For Bronze Or Satin Anodized Finish, Add	209.50	
		For Black Anodized Finish, Add	419.00	
		For >10 To 20, Deduct	-111.64	
		For >20 To 40, Deduct	-202.34	
		For >40, Deduct	-425.62	
26 56 13 00-0409	EA	35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,327.78	571.91
		For Bronze Or Satin Anodized Finish, Add	218.40	
		For Black Anodized Finish, Add	436.79	
		For >10 To 20, Deduct	-115.95	
		For >20 To 40, Deduct	-210.07	
		For >40, Deduct	-441.98	
26 56 13 00-0410	EA	37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,393.69	586.97
		For Bronze Or Satin Anodized Finish, Add	221.98	
		For Black Anodized Finish, Add	443.95	
		For >10 To 20, Deduct	-118.14	
		For >20 To 40, Deduct	-214.08	
		For >40, Deduct	-450.36	
26 56 13 00-0411	EA	39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,594.12	602.02
		For Bronze Or Satin Anodized Finish, Add	239.01	
		For Black Anodized Finish, Add	478.02	
		For >10 To 20, Deduct	-125.70	
		For >20 To 40, Deduct	-227.51	
		For >40, Deduct	-478.92	
26 56 13 00-0412	EA	28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,681.19	511.71
		For Bronze Or Satin Anodized Finish, Add	165.78	
		For Black Anodized Finish, Add	331.55	
		For >10 To 20, Deduct	-91.90	
		For >20 To 40, Deduct	-167.21	
		For >40, Deduct	-351.01	
26 56 13 00-0413	EA	30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,883.52	541.81
		For Bronze Or Satin Anodized Finish, Add	179.99	
		For Black Anodized Finish, Add	359.98	
		For >10 To 20, Deduct	-99.09	
		For >20 To 40, Deduct	-180.17	
		For >40, Deduct	-378.35	
26 56 13 00-0414	EA	33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,962.44	556.86
		For Bronze Or Satin Anodized Finish, Add	184.87	
		For Black Anodized Finish, Add	369.74	
		For >10 To 20, Deduct	-101.79	
		For >20 To 40, Deduct	-185.10	
		For >40, Deduct	-388.68	
26 56 13 00-0415	EA	35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,166.13	571.91
		For Bronze Or Satin Anodized Finish, Add	202.23	
		For Black Anodized Finish, Add	404.46	
		For >10 To 20, Deduct	-109.49	
		For >20 To 40, Deduct	-198.75	
		For >40, Deduct	-417.73	



Electrical		26
Lighting		26 50
Exterior Lighting		26 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0416	EA		37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,265.66	586.97
			For Bronze Or Satin Anodized Finish, Add	209.17	
			For Black Anodized Finish, Add	418.35	
			For >10 To 20, Deduct	-113.02	
			For >20 To 40, Deduct	-205.12	
			For >40, Deduct	-431.15	
26 56 13 00-0417	EA		39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,467.18	602.02
			For Bronze Or Satin Anodized Finish, Add	226.32	
			For Black Anodized Finish, Add	452.63	
			For >10 To 20, Deduct	-120.63	
			For >20 To 40, Deduct	-218.62	
			For >40, Deduct	-459.88	
26 56 13 00-0418	EA		28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,360.36	511.71
			For Bronze Or Satin Anodized Finish, Add	233.69	
			For Black Anodized Finish, Add	467.39	
			For >10 To 20, Deduct	-119.06	
			For >20 To 40, Deduct	-214.76	
			For >40, Deduct	-452.88	
26 56 13 00-0419	EA		30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,552.92	541.81
			For Bronze Or Satin Anodized Finish, Add	246.93	
			For Black Anodized Finish, Add	493.86	
			For >10 To 20, Deduct	-125.86	
			For >20 To 40, Deduct	-227.03	
			For >40, Deduct	-478.76	
26 56 13 00-0420	EA		33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,712.13	556.86
			For Bronze Or Satin Anodized Finish, Add	259.84	
			For Black Anodized Finish, Add	519.68	
			For >10 To 20, Deduct	-131.78	
			For >20 To 40, Deduct	-237.57	
			For >40, Deduct	-501.13	
26 56 13 00-0421	EA		35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,959.21	571.91
			For Bronze Or Satin Anodized Finish, Add	281.54	
			For Black Anodized Finish, Add	563.08	
			For >10 To 20, Deduct	-141.21	
			For >20 To 40, Deduct	-254.27	
			For >40, Deduct	-536.69	
26 56 13 00-0422	EA		37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	4,013.18	586.97
			For Bronze Or Satin Anodized Finish, Add	283.93	
			For Black Anodized Finish, Add	567.85	
			For >10 To 20, Deduct	-142.92	
			For >20 To 40, Deduct	-257.44	
			For >40, Deduct	-543.28	
26 56 13 00-0423	EA		39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	4,259.18	602.02
			For Bronze Or Satin Anodized Finish, Add	305.52	
			For Black Anodized Finish, Add	611.03	
			For >10 To 20, Deduct	-152.31	
			For >20 To 40, Deduct	-274.06	
			For >40, Deduct	-578.68	
26 56 13 00-0424	EA		48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	5,363.53	903.02
			For Bronze Or Satin Anodized Finish, Add	355.75	
			For Black Anodized Finish, Add	711.50	
			For >10 To 20, Deduct	-187.45	
			For >20 To 40, Deduct	-339.33	
			For >40, Deduct	-714.23	
26 56 13 00-0425	EA		50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	5,498.06	903.02
			For Bronze Or Satin Anodized Finish, Add	369.20	
			For Black Anodized Finish, Add	738.40	
			For >10 To 20, Deduct	-192.83	
			For >20 To 40, Deduct	-348.74	
			For >40, Deduct	-734.41	
26 56 13 00-0426			Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base (26 56 13 00-0354)		
26 56 13 00-0427	EA		8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	901.50	180.60
			For Bronze, Satin Or Black Anodized Finish, Add	81.05	
			For >10 To 20, Deduct	-30.64	
			For >20 To 40, Deduct	-55.88	
			For >40, Deduct	-117.17	
26 56 13 00-0428	EA		10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	984.48	210.70
			For Bronze, Satin Or Black Anodized Finish, Add	84.46	
			For >10 To 20, Deduct	-33.06	
			For >20 To 40, Deduct	-60.49	
			For >40, Deduct	-126.60	
26 56 13 00-0429	EA		12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,068.56	240.80
			For Bronze, Satin Or Black Anodized Finish, Add	88.04	
			For >10 To 20, Deduct	-35.52	
			For >20 To 40, Deduct	-65.17	
			For >40, Deduct	-136.20	
26 56 13 00-0430	EA		14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,154.80	270.90
			For Bronze, Satin Or Black Anodized Finish, Add	91.95	
			For >10 To 20, Deduct	-38.06	
			For >20 To 40, Deduct	-70.00	
			For >40, Deduct	-146.13	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0431	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,239.96	301.00
		For Bronze, Satin Or Black Anodized Finish, Add	95.69	
		For >10 To 20, Deduct	-40.57	
		For >20 To 40, Deduct	-74.76	
		For >40, Deduct	-155.89	
26 56 13 00-0432	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	997.50	210.70
		For Bronze, Satin Or Black Anodized Finish, Add	86.42	
		For >10 To 20, Deduct	-33.58	
		For >20 To 40, Deduct	-61.40	
		For >40, Deduct	-128.56	
26 56 13 00-0433	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,083.75	240.80
		For Bronze, Satin Or Black Anodized Finish, Add	90.32	
		For >10 To 20, Deduct	-36.13	
		For >20 To 40, Deduct	-66.23	
		For >40, Deduct	-138.48	
26 56 13 00-0434	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,172.15	270.90
		For Bronze, Satin Or Black Anodized Finish, Add	94.55	
		For >10 To 20, Deduct	-38.76	
		For >20 To 40, Deduct	-71.21	
		For >40, Deduct	-148.73	
26 56 13 00-0435	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,259.49	301.00
		For Bronze, Satin Or Black Anodized Finish, Add	98.62	
		For >10 To 20, Deduct	-41.35	
		For >20 To 40, Deduct	-76.12	
		For >40, Deduct	-158.82	
26 56 13 00-0436	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,360.91	331.10
		For Bronze, Satin Or Black Anodized Finish, Add	104.80	
		For >10 To 20, Deduct	-44.50	
		For >20 To 40, Deduct	-82.02	
		For >40, Deduct	-171.03	
26 56 13 00-0437	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,452.58	361.20
		For Bronze, Satin Or Black Anodized Finish, Add	109.52	
		For >10 To 20, Deduct	-47.27	
		For >20 To 40, Deduct	-87.23	
		For >40, Deduct	-181.77	
26 56 13 00-0438	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,126.06	240.80
		For Bronze, Satin Or Black Anodized Finish, Add	96.67	
		For >10 To 20, Deduct	-37.82	
		For >20 To 40, Deduct	-69.19	
		For >40, Deduct	-144.83	
26 56 13 00-0439	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,219.89	270.90
		For Bronze, Satin Or Black Anodized Finish, Add	101.71	
		For >10 To 20, Deduct	-40.67	
		For >20 To 40, Deduct	-74.56	
		For >40, Deduct	-155.89	
26 56 13 00-0440	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,326.75	301.00
		For Bronze, Satin Or Black Anodized Finish, Add	108.71	
		For >10 To 20, Deduct	-44.04	
		For >20 To 40, Deduct	-80.83	
		For >40, Deduct	-168.91	
26 56 13 00-0441	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,422.76	331.10
		For Bronze, Satin Or Black Anodized Finish, Add	114.08	
		For >10 To 20, Deduct	-46.98	
		For >20 To 40, Deduct	-86.35	
		For >40, Deduct	-180.30	
26 56 13 00-0442	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,532.86	361.20
		For Bronze, Satin Or Black Anodized Finish, Add	121.57	
		For >10 To 20, Deduct	-50.48	
		For >20 To 40, Deduct	-92.85	
		For >40, Deduct	-193.81	
26 56 13 00-0443	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,388.59	301.00
		For Bronze, Satin Or Black Anodized Finish, Add	117.99	
		For >10 To 20, Deduct	-46.51	
		For >20 To 40, Deduct	-85.16	
		For >40, Deduct	-178.19	
26 56 13 00-0444	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,506.30	331.10
		For Bronze, Satin Or Black Anodized Finish, Add	126.61	
		For >10 To 20, Deduct	-50.32	
		For >20 To 40, Deduct	-92.20	
		For >40, Deduct	-192.83	
26 56 13 00-0445	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,600.13	361.20
		For Bronze, Satin Or Black Anodized Finish, Add	131.66	
		For >10 To 20, Deduct	-53.17	
		For >20 To 40, Deduct	-97.56	
		For >40, Deduct	-203.90	
26 56 13 00-0446	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,159.69	240.80
		For Bronze, Satin Or Black Anodized Finish, Add	101.71	
		For >10 To 20, Deduct	-39.16	
		For >20 To 40, Deduct	-71.55	
		For >40, Deduct	-149.87	
26 56 13 00-0447	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,270.88	270.90
		For Bronze, Satin Or Black Anodized Finish, Add	109.36	
		For >10 To 20, Deduct	-42.71	
		For >20 To 40, Deduct	-78.13	
		For >40, Deduct	-163.54	



Electrical			26
Lighting			26 50
Exterior Lighting			26 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0448	EA	16'	High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,388.59 117.99 -46.51 -85.16 -178.19	301.00
26 56 13 00-0449	EA	18'	High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,493.28 124.66 -49.80 -91.29 -190.88	331.10
26 56 13 00-0450	EA	20'	High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,605.55 132.47 -53.39 -97.94 -204.71	361.20
26 56 13 00-0451	EA	16'	High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,459.11 128.56 -49.33 -90.10 -188.77	301.00
26 56 13 00-0452	EA	18'	High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,585.50 138.49 -53.49 -97.74 -204.71	331.10
26 56 13 00-0453	EA	20'	High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,684.75 144.35 -56.55 -103.48 -216.59	361.20
26 56 13 00-0454	Round Tapered, Aluminum Area Light Poles, Direct Burial (26 56 13 00-0354) Note: Includes rubberized undercoating on embedded portion.				
26 56 13 00-0455	EA	8'	High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial..... For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	622.14 32.11 64.23 -20.37 -37.53 -78.27	150.50
26 56 13 00-0456	EA	10'	High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial..... For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	652.52 35.15 70.30 -21.59 -39.66 -82.83	150.50
26 56 13 00-0457	EA	12'	High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial..... For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	707.57 37.65 75.29 -23.34 -42.91 -89.58	165.55
26 56 13 00-0458	EA	14'	High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial..... For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	755.03 39.38 78.77 -24.78 -45.63 -95.19	180.60
26 56 13 00-0459	EA	16'	High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial..... For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	794.09 43.29 86.58 -26.35 -48.36 -101.05	180.60
26 56 13 00-0460	EA	12'	High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial..... For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	736.86 40.58 81.15 -24.51 -44.96 -93.97	165.55
26 56 13 00-0461	EA	14'	High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial..... For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	797.34 43.61 87.23 -26.48 -48.59 -101.54	180.60
26 56 13 00-0462	EA	16'	High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial..... For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	819.04 45.78 91.57 -27.34 -50.11 -104.80	180.60

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0463	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	883.86	195.65
		For Bronze Or Satin Anodized Finish, Add	49.26	
		For Black Anodized Finish, Add	98.51	
		For >10 To 20, Deduct	-29.48	
		For >20 To 40, Deduct	-54.04	
		For >40, Deduct	-113.01	
26 56 13 00-0464	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	944.34	210.70
		For Bronze Or Satin Anodized Finish, Add	52.29	
		For Black Anodized Finish, Add	104.59	
		For >10 To 20, Deduct	-31.45	
		For >20 To 40, Deduct	-57.68	
		For >40, Deduct	-120.58	
26 56 13 00-0465	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	881.97	180.60
		For Bronze Or Satin Anodized Finish, Add	52.08	
		For Black Anodized Finish, Add	104.15	
		For >10 To 20, Deduct	-29.86	
		For >20 To 40, Deduct	-54.51	
		For >40, Deduct	-114.24	
26 56 13 00-0466	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	953.29	195.65
		For Bronze Or Satin Anodized Finish, Add	56.20	
		For Black Anodized Finish, Add	112.40	
		For >10 To 20, Deduct	-32.26	
		For >20 To 40, Deduct	-58.90	
		For >40, Deduct	-123.43	
26 56 13 00-0467	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	1,019.20	210.70
		For Bronze Or Satin Anodized Finish, Add	59.78	
		For Black Anodized Finish, Add	119.56	
		For >10 To 20, Deduct	-34.45	
		For >20 To 40, Deduct	-62.92	
		For >40, Deduct	-131.81	
26 56 13 00-0468	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	1,042.26	195.65
		For Bronze Or Satin Anodized Finish, Add	65.10	
		For Black Anodized Finish, Add	130.19	
		For >10 To 20, Deduct	-35.82	
		For >20 To 40, Deduct	-65.13	
		For >40, Deduct	-136.77	
26 56 13 00-0469	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	1,335.45	240.80
		For Bronze Or Satin Anodized Finish, Add	85.38	
		For Black Anodized Finish, Add	170.77	
		For >10 To 20, Deduct	-46.19	
		For >20 To 40, Deduct	-83.85	
		For >40, Deduct	-176.24	
26 56 13 00-0470	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	1,458.05	240.80
		For Bronze Or Satin Anodized Finish, Add	97.64	
		For Black Anodized Finish, Add	195.29	
		For >10 To 20, Deduct	-51.10	
		For >20 To 40, Deduct	-92.43	
		For >40, Deduct	-194.63	
26 56 13 00-0471	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	1,623.49	270.90
		For Bronze Or Satin Anodized Finish, Add	108.17	
		For Black Anodized Finish, Add	216.34	
		For >10 To 20, Deduct	-56.81	
		For >20 To 40, Deduct	-102.81	
		For >40, Deduct	-216.43	
26 56 13 00-0472	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	1,756.93	270.90
		For Bronze Or Satin Anodized Finish, Add	121.51	
		For Black Anodized Finish, Add	243.02	
		For >10 To 20, Deduct	-62.15	
		For >20 To 40, Deduct	-112.15	
		For >40, Deduct	-236.45	
26 56 13 00-0473		Square Straight, Aluminum Area Light Poles (26 56 13 00-0294)		
26 56 13 00-0474		Square Straight, Aluminum Area Light Poles, Anchor Base (26 56 13 00-0473)		
26 56 13 00-0475	EA	8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base.....	809.28	180.60
		For Bronze Or Satin Anodized Finish, Add	44.81	
		For Black Anodized Finish, Add	89.62	
		For >10 To 20, Deduct	-26.95	
		For >20 To 40, Deduct	-49.43	
		For >40, Deduct	-103.33	
26 56 13 00-0476	EA	10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base.....	892.26	210.70
		For Bronze Or Satin Anodized Finish, Add	47.09	
		For Black Anodized Finish, Add	94.17	
		For >10 To 20, Deduct	-29.37	
		For >20 To 40, Deduct	-54.03	
		For >40, Deduct	-112.77	
26 56 13 00-0477	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base.....	983.93	240.80
		For Bronze Or Satin Anodized Finish, Add	50.23	
		For Black Anodized Finish, Add	100.46	
		For >10 To 20, Deduct	-32.13	
		For >20 To 40, Deduct	-59.24	
		For >40, Deduct	-123.51	



Electrical			26
Lighting			26 50
Exterior Lighting			26 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0478	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base..... For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,074.51 53.27 106.54 -34.85 -64.38 -134.09	270.90
26 56	13 00-0479	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base..... For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,124.14 55.22 110.45 -36.39 -67.25 -140.03	285.95
26 56	13 00-0480	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base..... For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,173.78 57.18 114.35 -37.92 -70.12 -145.97	301.00
26 56	13 00-0481	EA	18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base..... For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,270.87 60.87 121.73 -40.90 -75.72 -157.52	331.10
26 56	13 00-0482	EA	20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base..... For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,377.72 65.53 131.06 -44.27 -81.99 -170.54	361.20
26 56	13 00-0483	EA	16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base..... For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,248.64 64.66 129.32 -40.92 -75.36 -157.20	301.00
26 56	13 00-0484	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base..... For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,347.90 68.57 137.14 -43.98 -81.11 -169.07	331.10
26 56	13 00-0485	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base..... For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,461.26 73.88 147.77 -47.61 -87.84 -183.07	361.20
26 56	13 00-0486	EA	15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base..... For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,449.62 87.77 175.54 -49.41 -90.04 -188.85	285.95
26 56	13 00-0487	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base..... For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,772.63 105.02 210.04 -60.07 -109.64 -229.77	361.20
26 56	13 00-0488	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base..... For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,149.05 118.58 237.17 -71.51 -131.17 -274.20	481.61
26 56	13 00-0489	EA	20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base..... For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,528.52 80.61 161.22 -50.30 -92.55 -193.16	361.20
26 56	13 00-0490	EA	20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base..... For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,903.91 118.15 236.30 -65.32 -118.83 -249.47	361.20
26 56	13 00-0491	EA	25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base..... For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,268.39 130.52 261.03 -76.29 -139.52 -292.10	481.61

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0492	EA		20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base.....	2,110.05	361.20
			For Bronze Or Satin Anodized Finish, Add	138.76	
			For Black Anodized Finish, Add	277.53	
			For >10 To 20, Deduct	-73.57	
			For >20 To 40, Deduct	-133.26	
			For >40, Deduct	-280.39	
26 56 13 00-0493	EA		25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base.....	2,537.45	481.61
			For Bronze Or Satin Anodized Finish, Add	157.42	
			For Black Anodized Finish, Add	314.85	
			For >10 To 20, Deduct	-87.05	
			For >20 To 40, Deduct	-158.36	
			For >40, Deduct	-332.46	
26 56 13 00-0494	EA		30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base.....	2,937.77	541.81
			For Bronze Or Satin Anodized Finish, Add	185.42	
			For Black Anodized Finish, Add	370.83	
			For >10 To 20, Deduct	-101.26	
			For >20 To 40, Deduct	-183.97	
			For >40, Deduct	-386.48	
26 56 13 00-0495 Square Straight, Aluminum Area Light Poles, Direct Burial (26 56 13 00-0473)					
Note: Includes rubberized undercoating on embedded portion.					
26 56 13 00-0496	EA		10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial.....	728.46	150.50
			For Bronze Or Satin Anodized Finish, Add	42.75	
			For Black Anodized Finish, Add	85.49	
			For >10 To 20, Deduct	-24.62	
			For >20 To 40, Deduct	-44.97	
			For >40, Deduct	-94.22	
26 56 13 00-0497	EA		12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial.....	813.89	165.55
			For Bronze Or Satin Anodized Finish, Add	48.28	
			For Black Anodized Finish, Add	96.56	
			For >10 To 20, Deduct	-27.59	
			For >20 To 40, Deduct	-50.35	
			For >40, Deduct	-105.53	
26 56 13 00-0498	EA		14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial.....	866.78	180.60
			For Bronze Or Satin Anodized Finish, Add	50.56	
			For Black Anodized Finish, Add	101.12	
			For >10 To 20, Deduct	-29.25	
			For >20 To 40, Deduct	-53.45	
			For >40, Deduct	-111.96	
26 56 13 00-0499	EA		15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial.....	893.90	180.60
			For Bronze Or Satin Anodized Finish, Add	53.27	
			For Black Anodized Finish, Add	106.54	
			For >10 To 20, Deduct	-30.34	
			For >20 To 40, Deduct	-55.35	
			For >40, Deduct	-116.03	
26 56 13 00-0500	EA		16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial.....	927.53	180.60
			For Bronze Or Satin Anodized Finish, Add	56.63	
			For Black Anodized Finish, Add	113.27	
			For >10 To 20, Deduct	-31.68	
			For >20 To 40, Deduct	-57.70	
			For >40, Deduct	-121.07	
26 56 13 00-0501	EA		18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial.....	1,072.64	195.65
			For Bronze Or Satin Anodized Finish, Add	68.13	
			For Black Anodized Finish, Add	136.27	
			For >10 To 20, Deduct	-37.04	
			For >20 To 40, Deduct	-67.26	
			For >40, Deduct	-141.33	
26 56 13 00-0502	EA		20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial.....	1,149.39	210.70
			For Bronze Or Satin Anodized Finish, Add	72.80	
			For Black Anodized Finish, Add	145.60	
			For >10 To 20, Deduct	-39.65	
			For >20 To 40, Deduct	-72.03	
			For >40, Deduct	-151.34	
26 56 13 00-0503	EA		20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial.....	1,319.72	210.70
			For Bronze Or Satin Anodized Finish, Add	89.83	
			For Black Anodized Finish, Add	179.66	
			For >10 To 20, Deduct	-46.47	
			For >20 To 40, Deduct	-83.95	
			For >40, Deduct	-176.89	
26 56 13 00-0504	EA		25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial.....	1,516.63	240.80
			For Bronze Or Satin Anodized Finish, Add	103.50	
			For Black Anodized Finish, Add	207.00	
			For >10 To 20, Deduct	-53.44	
			For >20 To 40, Deduct	-96.53	
			For >40, Deduct	-203.41	
26 56 13 00-0505	EA		25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial.....	1,897.44	240.80
			For Bronze Or Satin Anodized Finish, Add	141.58	
			For Black Anodized Finish, Add	283.17	
			For >10 To 20, Deduct	-68.67	
			For >20 To 40, Deduct	-123.19	
			For >40, Deduct	-260.54	
26 56 13 00-0506 Factory Accessories For Aluminum Area Light Poles (26 56 13 00-0294)					
26 56 13 00-0507	EA		1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles	51.50	



Electrical			26
Lighting			26 50
Exterior Lighting			26 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 13 00-0508	EA		Extra Handhole For Aluminum Area Light Poles.....	40.44	
26 56 13 00-0509	EA		Vibration Dampener For Aluminum Area Light Poles.....	77.90	

26 56 13 00-0510 **Fiberglass Area Light Poles** (26 56 13 00-0177)
Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.

26 56 13 00-0511 **Round Tapered, Fiberglass Area Light Poles** (26 56 13 00-0510)

26 56 13 00-0512 **Round Tapered, Fiberglass Area Light Poles, Anchor Base** (26 56 13 00-0511)

26 56 13 00-0513	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,275.43	210.70
		For >10 To 20, Deduct	-44.70	
		For >20 To 40, Deduct	-80.85	
		For >40, Deduct	-170.24	
26 56 13 00-0514	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,386.48	240.80
		For >10 To 20, Deduct	-48.24	
		For >20 To 40, Deduct	-87.42	
		For >40, Deduct	-183.89	
26 56 13 00-0515	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,498.97	270.90
		For >10 To 20, Deduct	-51.83	
		For >20 To 40, Deduct	-94.09	
		For >40, Deduct	-197.76	
26 56 13 00-0516	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,610.01	301.00
		For >10 To 20, Deduct	-55.37	
		For >20 To 40, Deduct	-100.66	
		For >40, Deduct	-211.40	
26 56 13 00-0517	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,747.19	331.10
		For >10 To 20, Deduct	-59.95	
		For >20 To 40, Deduct	-109.06	
		For >40, Deduct	-228.97	
26 56 13 00-0518	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,861.13	361.20
		For >10 To 20, Deduct	-63.61	
		For >20 To 40, Deduct	-115.83	
		For >40, Deduct	-243.05	
26 56 13 00-0519	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,033.82	421.40
		For >10 To 20, Deduct	-68.71	
		For >20 To 40, Deduct	-125.51	
		For >40, Deduct	-262.93	
26 56 13 00-0520	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,205.06	481.61
		For >10 To 20, Deduct	-73.75	
		For >20 To 40, Deduct	-135.09	
		For >40, Deduct	-282.60	
26 56 13 00-0521	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,322.70	481.61
		For >10 To 20, Deduct	-78.46	
		For >20 To 40, Deduct	-143.32	
		For >40, Deduct	-300.24	
26 56 13 00-0522	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,486.03	511.71
		For >10 To 20, Deduct	-84.09	
		For >20 To 40, Deduct	-153.55	
		For >40, Deduct	-321.73	
26 56 13 00-0523	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,649.35	541.81
		For >10 To 20, Deduct	-89.72	
		For >20 To 40, Deduct	-163.78	
		For >40, Deduct	-343.22	
26 56 13 00-0524	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,409.06	210.70
		For >10 To 20, Deduct	-50.04	
		For >20 To 40, Deduct	-90.21	
		For >40, Deduct	-190.29	
26 56 13 00-0525	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,493.96	240.80
		For >10 To 20, Deduct	-52.53	
		For >20 To 40, Deduct	-94.95	
		For >40, Deduct	-200.01	
26 56 13 00-0526	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,580.30	270.90
		For >10 To 20, Deduct	-55.08	
		For >20 To 40, Deduct	-99.78	
		For >40, Deduct	-209.95	
26 56 13 00-0527	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,669.56	301.00
		For >10 To 20, Deduct	-57.75	
		For >20 To 40, Deduct	-104.83	
		For >40, Deduct	-220.33	
26 56 13 00-0528	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,766.07	331.10
		For >10 To 20, Deduct	-60.71	
		For >20 To 40, Deduct	-110.38	
		For >40, Deduct	-231.80	
26 56 13 00-0529	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,861.13	361.20
		For >10 To 20, Deduct	-63.61	
		For >20 To 40, Deduct	-115.83	
		For >40, Deduct	-243.05	
26 56 13 00-0530	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,016.39	421.40
		For >10 To 20, Deduct	-68.01	
		For >20 To 40, Deduct	-124.29	
		For >40, Deduct	-260.32	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0531	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	.....	2,205.06	481.61
		For >10 To 20, Deduct	.....	-73.75	
		For >20 To 40, Deduct	.....	-135.09	
		For >40, Deduct	.....	-282.60	
26 56 13 00-0532	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	.....	2,254.44	481.61
		For >10 To 20, Deduct	.....	-75.73	
		For >20 To 40, Deduct	.....	-138.55	
		For >40, Deduct	.....	-290.01	
26 56 13 00-0533	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	.....	2,365.47	511.71
		For >10 To 20, Deduct	.....	-79.27	
		For >20 To 40, Deduct	.....	-145.11	
		For >40, Deduct	.....	-303.65	
26 56 13 00-0534	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	.....	2,476.51	541.81
		For >10 To 20, Deduct	.....	-82.81	
		For >20 To 40, Deduct	.....	-151.68	
		For >40, Deduct	.....	-317.30	
26 56 13 00-0535	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	.....	1,605.14	210.70
		For >10 To 20, Deduct	.....	-57.88	
		For >20 To 40, Deduct	.....	-103.93	
		For >40, Deduct	.....	-219.70	
26 56 13 00-0536	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	.....	1,710.37	240.80
		For >10 To 20, Deduct	.....	-61.19	
		For >20 To 40, Deduct	.....	-110.09	
		For >40, Deduct	.....	-232.48	
26 56 13 00-0537	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	.....	1,815.60	270.90
		For >10 To 20, Deduct	.....	-64.50	
		For >20 To 40, Deduct	.....	-116.26	
		For >40, Deduct	.....	-245.25	
26 56 13 00-0538	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	.....	1,922.29	301.00
		For >10 To 20, Deduct	.....	-67.86	
		For >20 To 40, Deduct	.....	-122.52	
		For >40, Deduct	.....	-258.24	
26 56 13 00-0539	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	.....	2,034.78	331.10
		For >10 To 20, Deduct	.....	-71.46	
		For >20 To 40, Deduct	.....	-129.19	
		For >40, Deduct	.....	-272.11	
26 56 13 00-0540	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	.....	2,155.98	361.20
		For >10 To 20, Deduct	.....	-75.40	
		For >20 To 40, Deduct	.....	-136.47	
		For >40, Deduct	.....	-287.28	
26 56 13 00-0541	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	.....	2,350.45	421.40
		For >10 To 20, Deduct	.....	-81.38	
		For >20 To 40, Deduct	.....	-147.68	
		For >40, Deduct	.....	-310.43	
26 56 13 00-0542	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	.....	2,546.38	481.61
		For >10 To 20, Deduct	.....	-87.41	
		For >20 To 40, Deduct	.....	-158.98	
		For >40, Deduct	.....	-333.80	
26 56 13 00-0543	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	.....	2,621.91	481.61
		For >10 To 20, Deduct	.....	-90.43	
		For >20 To 40, Deduct	.....	-164.27	
		For >40, Deduct	.....	-345.13	
26 56 13 00-0544	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	.....	2,801.21	511.71
		For >10 To 20, Deduct	.....	-96.70	
		For >20 To 40, Deduct	.....	-175.62	
		For >40, Deduct	.....	-369.01	
26 56 13 00-0545	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	.....	2,947.10	541.81
		For >10 To 20, Deduct	.....	-101.63	
		For >20 To 40, Deduct	.....	-184.62	
		For >40, Deduct	.....	-387.88	
26 56 13 00-0546	EA	32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	.....	3,062.89	556.86
		For >10 To 20, Deduct	.....	-105.81	
		For >20 To 40, Deduct	.....	-192.13	
		For >40, Deduct	.....	-403.75	
26 56 13 00-0547	EA	34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	.....	3,178.69	571.91
		For >10 To 20, Deduct	.....	-109.99	
		For >20 To 40, Deduct	.....	-199.63	
		For >40, Deduct	.....	-419.61	
26 56 13 00-0548 Round Tapered, Fiberglass Area Light Poles, Direct Burial (26 56 13 00-0511)					
26 56 13 00-0549	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	.....	789.02	150.50
		For >10 To 20, Deduct	.....	-27.05	
		For >20 To 40, Deduct	.....	-49.21	
		For >40, Deduct	.....	-103.30	
26 56 13 00-0550	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	.....	846.72	165.55
		For >10 To 20, Deduct	.....	-28.90	
		For >20 To 40, Deduct	.....	-52.65	
		For >40, Deduct	.....	-110.45	
26 56 13 00-0551	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	.....	902.96	180.60
		For >10 To 20, Deduct	.....	-30.70	
		For >20 To 40, Deduct	.....	-55.98	
		For >40, Deduct	.....	-117.38	



Electrical			26
Lighting			26 50
Exterior Lighting			26 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0552	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	.....	927.65	180.60
		For >10 To 20, Deduct	.....	-31.69	
		For >20 To 40, Deduct	.....	-57.71	
		For >40, Deduct	.....	-121.09	
26 56 13 00-0553	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	.....	998.42	195.65
		For >10 To 20, Deduct	.....	-34.07	
		For >20 To 40, Deduct	.....	-62.06	
		For >40, Deduct	.....	-130.20	
26 56 13 00-0554	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	.....	1,057.57	210.70
		For >10 To 20, Deduct	.....	-35.98	
		For >20 To 40, Deduct	.....	-65.60	
		For >40, Deduct	.....	-137.57	
26 56 13 00-0555	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	.....	1,121.08	225.75
		For >10 To 20, Deduct	.....	-38.07	
		For >20 To 40, Deduct	.....	-69.45	
		For >40, Deduct	.....	-145.59	
26 56 13 00-0556	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	.....	1,191.85	240.80
		For >10 To 20, Deduct	.....	-40.45	
		For >20 To 40, Deduct	.....	-73.80	
		For >40, Deduct	.....	-154.70	
26 56 13 00-0557	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	.....	1,331.29	240.80
		For >10 To 20, Deduct	.....	-46.03	
		For >20 To 40, Deduct	.....	-83.56	
		For >40, Deduct	.....	-175.61	
26 56 13 00-0558	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	.....	1,500.82	255.85
		For >10 To 20, Deduct	.....	-52.36	
		For >20 To 40, Deduct	.....	-94.82	
		For >40, Deduct	.....	-199.54	
26 56 13 00-0559	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	.....	1,670.36	270.90
		For >10 To 20, Deduct	.....	-58.69	
		For >20 To 40, Deduct	.....	-106.09	
		For >40, Deduct	.....	-223.46	
26 56 13 00-0560	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	.....	922.64	150.50
		For >10 To 20, Deduct	.....	-32.39	
		For >20 To 40, Deduct	.....	-58.56	
		For >40, Deduct	.....	-123.35	
26 56 13 00-0561	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	.....	987.60	165.55
		For >10 To 20, Deduct	.....	-34.54	
		For >20 To 40, Deduct	.....	-62.51	
		For >40, Deduct	.....	-131.59	
26 56 13 00-0562	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	.....	1,052.56	180.60
		For >10 To 20, Deduct	.....	-36.68	
		For >20 To 40, Deduct	.....	-66.46	
		For >40, Deduct	.....	-139.82	
26 56 13 00-0563	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	.....	1,088.87	180.60
		For >10 To 20, Deduct	.....	-38.14	
		For >20 To 40, Deduct	.....	-69.00	
		For >40, Deduct	.....	-145.27	
26 56 13 00-0564	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	.....	1,153.83	195.65
		For >10 To 20, Deduct	.....	-40.28	
		For >20 To 40, Deduct	.....	-72.94	
		For >40, Deduct	.....	-153.51	
26 56 13 00-0565	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	.....	1,218.79	210.70
		For >10 To 20, Deduct	.....	-42.43	
		For >20 To 40, Deduct	.....	-76.89	
		For >40, Deduct	.....	-161.75	
26 56 13 00-0566	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	.....	1,283.76	225.75
		For >10 To 20, Deduct	.....	-44.58	
		For >20 To 40, Deduct	.....	-80.83	
		For >40, Deduct	.....	-169.99	
26 56 13 00-0567	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	.....	1,382.12	240.80
		For >10 To 20, Deduct	.....	-48.06	
		For >20 To 40, Deduct	.....	-87.12	
		For >40, Deduct	.....	-183.24	
26 56 13 00-0568	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	.....	1,517.20	240.80
		For >10 To 20, Deduct	.....	-53.46	
		For >20 To 40, Deduct	.....	-96.57	
		For >40, Deduct	.....	-203.50	
26 56 13 00-0569	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	.....	1,683.83	255.85
		For >10 To 20, Deduct	.....	-59.68	
		For >20 To 40, Deduct	.....	-107.63	
		For >40, Deduct	.....	-226.99	
26 56 13 00-0570	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	.....	1,849.01	270.90
		For >10 To 20, Deduct	.....	-65.83	
		For >20 To 40, Deduct	.....	-118.59	
		For >40, Deduct	.....	-250.26	
26 56 13 00-0571	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	.....	1,040.29	150.50
		For >10 To 20, Deduct	.....	-37.10	
		For >20 To 40, Deduct	.....	-66.80	
		For >40, Deduct	.....	-140.99	
26 56 13 00-0572	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	.....	1,096.54	165.55
		For >10 To 20, Deduct	.....	-38.90	
		For >20 To 40, Deduct	.....	-70.14	
		For >40, Deduct	.....	-147.93	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0573	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,151.33	180.60
		For >10 To 20, Deduct	-40.64	
		For >20 To 40, Deduct	-73.37	
		For >40, Deduct	-154.64	
26 56 13 00-0574	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,176.02	180.60
		For >10 To 20, Deduct	-41.62	
		For >20 To 40, Deduct	-75.10	
		For >40, Deduct	-158.34	
26 56 13 00-0575	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,230.81	195.65
		For >10 To 20, Deduct	-43.36	
		For >20 To 40, Deduct	-78.33	
		For >40, Deduct	-165.06	
26 56 13 00-0576	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,287.05	210.70
		For >10 To 20, Deduct	-45.16	
		For >20 To 40, Deduct	-81.67	
		For >40, Deduct	-171.99	
26 56 13 00-0577	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,392.69	225.75
		For >10 To 20, Deduct	-48.93	
		For >20 To 40, Deduct	-88.46	
		For >40, Deduct	-186.33	
26 56 13 00-0578	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,515.75	240.80
		For >10 To 20, Deduct	-53.41	
		For >20 To 40, Deduct	-96.47	
		For >40, Deduct	-203.28	
26 56 13 00-0579	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,599.99	240.80
		For >10 To 20, Deduct	-56.78	
		For >20 To 40, Deduct	-102.37	
		For >40, Deduct	-215.92	
26 56 13 00-0580	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,715.78	255.85
		For >10 To 20, Deduct	-60.96	
		For >20 To 40, Deduct	-109.87	
		For >40, Deduct	-231.78	
26 56 13 00-0581	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,831.58	270.90
		For >10 To 20, Deduct	-65.14	
		For >20 To 40, Deduct	-117.37	
		For >40, Deduct	-247.65	
26 56 13 00-0582		Factory Accessories For Fiberglass Area Light Poles (26 56 13 00-0510)		
26 56 13 00-0583	EA	Open Or Capped Top For Fiberglass Area Light Poles	51.50	
26 56 13 00-0584	EA	Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles	51.50	
26 56 13 00-0585	EA	Smooth Shaft Finish For Fiberglass Area Light Poles	97.71	
26 56 13 00-0586	EA	Vibration Damper For Fiberglass Area Light Poles	129.40	
26 56 13 00-0587		Concrete Area Light Poles (26 56 13 00-0177)		
26 56 13 00-0588		Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base (26 56 13 00-0587)		
26 56 13 00-0589	EA	28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,000.04	511.71
26 56 13 00-0590	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,109.08	541.81
26 56 13 00-0591	EA	33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,186.88	556.86
26 56 13 00-0592	EA	36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,698.25	571.91
26 56 13 00-0593	EA	38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,991.60	602.02
26 56 13 00-0594	EA	43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,709.29	782.62
26 56 13 00-0595	EA	47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	4,448.17	963.22
26 56 13 00-0596	EA	27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	4,238.82	511.71
		Note: Polished brown with acrylic coating finish.		
26 56 13 00-0597	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	4,883.64	541.81
		Note: Polished brown with acrylic coating finish.		
26 56 13 00-0598	EA	Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'	526.81	180.60
26 56 13 00-0599	EA	13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design	2,538.59	361.09
26 56 13 00-0600	EA	Pole Base Cover For All Octagon Poles	205.07	73.69
26 56 13 00-0601	EA	Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze	419.15	147.38
26 56 13 00-0602		Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0587)		
		Note: Round or square.		
26 56 13 00-0603	EA	13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,094.88	240.80
26 56 13 00-0604	EA	16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,372.19	301.00
26 56 13 00-0605	EA	18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,624.44	361.20
26 56 13 00-0606	EA	30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	3,663.49	541.81
26 56 13 00-0607	EA	35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	4,215.38	571.91
26 56 13 00-0608	EA	40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	4,811.70	602.02
26 56 13 00-0609	EA	45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	5,592.62	782.62
26 56 13 00-0610		Round Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0587)		
26 56 13 00-0611	EA	60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22)	12,519.87	1,354.53
26 56 13 00-0612	EA	70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24)	14,890.96	1,656.43
26 56 13 00-0613	EA	80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26)	17,714.04	2,237.64



Electrical		26
Lighting		26 50
Exterior Lighting		26 56

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MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0614	Treated Wood Area Light Poles (26 56 13 00-0177) See CSI section 26 05 46 00-0001 for wood poles.		
26 56 13 00-0615	Cast Iron Decorative Light Posts (26 56 13 00-0177)		
26 56 13 00-0616	Round Tapered, Cast Iron Decorative Light Post, Anchor Base (26 56 13 00-0615) Note: As manufactured by Hadco and King Luminaries or an approved equal.		
26 56 13 00-0617	EA 10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,103.02	150.50
26 56 13 00-0618	EA 12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,170.08	173.38
26 56 13 00-0619	EA 14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,265.37	180.60
26 56 13 00-0620	EA 16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,549.48	210.70
26 56 13 00-0621	EA 18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,801.66	228.76
26 56 13 00-0622	EA 20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	2,065.61	246.83
26 56 13 00-0623	Landscape Light Poles (26 56 13 00-0001) Note: Excludes lighting fixtures.		
26 56 13 00-0624	Aluminum Landscape Light Poles (26 56 13 00-0623) Note: Includes painted finish.		
26 56 13 00-0625	Round Straight, Aluminum Landscape Light Poles (26 56 13 00-0624)		
26 56 13 00-0626	Round Straight, Aluminum Landscape Light Poles, Anchor Base (26 56 13 00-0625)		
26 56 13 00-0627	EA 7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base	457.75	180.60
26 56 13 00-0628	EA 12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base	787.17	240.80
26 56 13 00-0629	Round Straight, Aluminum Landscape Light Poles, Direct Burial (26 56 13 00-0625)		
26 56 13 00-0630	EA 7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial	412.31	180.60
26 56 13 00-0631	EA 12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial	741.73	240.80
26 56 13 00-0632	Steel Landscape Light Poles (26 56 13 00-0632) Note: Includes painted finish.		
26 56 13 00-0633	Round Straight, Steel Landscape Light Poles (26 56 13 00-0632)		
26 56 13 00-0634	Round Straight, Steel Landscape Light Poles, Anchor Base (26 56 13 00-0633)		
26 56 13 00-0635	EA 6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base	449.12	180.60
26 56 13 00-0636	Round Straight, Steel Landscape Light Poles, Direct Burial (26 56 13 00-0633)		
26 56 13 00-0637	EA 6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial	429.42	180.60
26 56 13 00-0638	Light Pole Brackets And Arms (26 56 13 00-0001)		
26 56 13 00-0639	Light Pole Brackets (26 56 13 00-0638)		
26 56 13 00-0640	Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0639)		
26 56 13 00-0641	Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0640)		
26 56 13 00-0642	Steel, Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0641) Note: Includes powdercoat finish.		
26 56 13 00-0643	EA Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	424.81	36.12
	For Galvanized Finish, Add	35.26	
26 56 13 00-0644	EA Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	531.18	36.12
	For Galvanized Finish, Add	45.89	
26 56 13 00-0645	EA Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	563.65	36.12
	For Galvanized Finish, Add	49.14	
26 56 13 00-0646	EA Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	764.07	36.12
	For Galvanized Finish, Add	69.18	
26 56 13 00-0647	EA Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	795.29	36.12
	For Galvanized Finish, Add	72.31	
26 56 13 00-0648	Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0641) Note: Includes satin brushed or painted finish.		
26 56 13 00-0649	EA Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	249.08	36.12
	For Bronze Or Satin Anodized Finish, Add	17.68	
	For Black Anodized Finish, Add	35.37	
26 56 13 00-0650	EA Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	305.50	36.12
	For Bronze Or Satin Anodized Finish, Add	23.33	
	For Black Anodized Finish, Add	46.65	
26 56 13 00-0651	EA Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	320.69	36.12
	For Bronze Or Satin Anodized Finish, Add	24.85	
	For Black Anodized Finish, Add	49.69	
26 56 13 00-0652	EA Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	373.85	36.12
	For Bronze Or Satin Anodized Finish, Add	30.16	
	For Black Anodized Finish, Add	60.32	
26 56 13 00-0653	EA Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	384.70	36.12
	For Bronze Or Satin Anodized Finish, Add	31.25	
	For Black Anodized Finish, Add	62.49	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 13 00-0654	Square Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0640)			
26 56 13 00-0655	Steel, Square Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0654)			
	Note: Includes powdercoat finish.			
26 56 13 00-0656	EA	Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	455.18	36.12
		For Galvanized Finish, Add.....	38.29	
26 56 13 00-0657	EA	Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	557.07	36.12
		For Galvanized Finish, Add.....	48.48	
26 56 13 00-0658	EA	Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	676.74	36.12
		For Galvanized Finish, Add.....	60.45	
26 56 13 00-0659	EA	Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	796.97	36.12
		For Galvanized Finish, Add.....	72.47	
26 56 13 00-0660	Wood Pole Clamp On Style, Pole Top Area Light Brackets (26 56 13 00-0639)			
26 56 13 00-0661	Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets (26 56 13 00-0660)			
	Note: Includes powdercoat finish.			
26 56 13 00-0662	EA	One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	446.51	60.20
26 56 13 00-0663	EA	Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	655.06	60.20
26 56 13 00-0664	EA	Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	901.81	60.20
26 56 13 00-0665	EA	Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	982.99	60.20
26 56 13 00-0666	Light Pole Arms (26 56 13 00-0638)			
26 56 13 00-0667	Wood Pole Streetlight Arms (26 56 13 00-0666)			
26 56 13 00-0668	Steel, Wood Pole Streetlight Arms (26 56 13 00-0667)			
26 56 13 00-0669	EA	1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	271.00	54.18
26 56 13 00-0670	EA	1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	288.49	60.20
26 56 13 00-0671	EA	1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	337.77	75.25
26 56 13 00-0672	EA	2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	388.43	60.20
26 56 13 00-0673	EA	2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	437.42	75.25
26 56 13 00-0674	EA	2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	530.37	90.30
26 56 13 00-0675	Aluminum, Wood Pole Streetlight Arms (26 56 13 00-0667)			
26 56 13 00-0676	EA	1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	241.88	60.20
26 56 13 00-0677	EA	2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	304.20	60.20
26 56 13 00-0678	EA	2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	408.31	75.25
26 56 13 00-0679	EA	2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	538.26	90.30
26 56 13 00-0680	Area Light Arms (26 56 13 00-0666)			
26 56 13 00-0681	Steel Area Light Arms (26 56 13 00-0680)			
26 56 13 00-0682	EA	Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount.....	492.22	60.20
26 56 13 00-0683	EA	Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	755.54	66.22
26 56 13 00-0684	EA	Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	838.76	72.24
26 56 13 00-0685	EA	Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	991.68	78.26
26 56 13 00-0686	EA	Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount.....	589.14	75.25
26 56 13 00-0687	EA	Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	826.31	81.27
26 56 13 00-0688	Aluminum Area Light Arms (26 56 13 00-0680)			
26 56 13 00-0689	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	297.24	60.20
26 56 13 00-0690	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	366.40	75.25
26 56 13 00-0691	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	437.73	90.30
26 56 13 00-0692	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	295.07	60.20
26 56 13 00-0693	EA	Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	424.29	66.22
26 56 13 00-0694	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	362.06	75.25
26 56 13 00-0695	EA	Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	517.31	81.27
26 56 13 00-0696	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	439.90	90.30
26 56 13 00-0697	EA	Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	628.78	96.32
26 56 13 00-0698	Removal And Reinstallation Of Lighting Pole (26 56 13 00-0001)			
26 56 13 00-0699	EA	Removal And Relocation Of Up To 45' Lighting Pole And Standards With One Or Two Arms.....	1,986.64	
26 56 13 00-0700	High Mast Lighting (26 56 13 00-0001)			
26 56 13 00-0701	High Mast Lighting Assemblies (26 56 13 00-0700)			
	Note: Includes non-latching system, ring assembly with internal bumper, acrylic top cover, pulley supports, cast arm filter for pipe tension, transition assembly, standard head frame assembly, standard hoist, and powder coated pole.			
26 56 13 00-0702	EA	60' High Mast Lighting Assembly.....	37,166.16	1,838.70
26 56 13 00-0703	EA	70' High Mast Lighting Assembly.....	39,253.11	1,925.76
26 56 13 00-0704	EA	80' High Mast Lighting Assembly.....	41,377.04	2,051.53



Electrical		26	26
Lighting		26 50	
Exterior Lighting		26 56	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0705	EA	90' High Mast Lighting Assembly	43,536.71	2,216.01
26 56 13 00-0706	EA	100' High Mast Lighting Assembly	45,718.83	2,419.12
26 56 13 00-0707	EA	110' High Mast Lighting Assembly	48,527.84	2,661.22
26 56 13 00-0708	EA	120' High Mast Lighting Assembly	50,811.22	2,903.11
26 56 13 00-0709	EA	130' High Mast Lighting Assembly	52,926.70	3,145.01
26 56 13 00-0710	EA	140' High Mast Lighting Assembly	55,210.08	3,387.03
26 56 13 00-0711	EA	150' High Mast Lighting Assembly	57,968.50	3,628.92
26 56 13 00-0712 High Mast Light Poles (26 56 13 00-0700)				
26 56 13 00-0713	EA	60' High Mast Light Poles	14,410.77	1,104.29
26 56 13 00-0714	EA	70' High Mast Light Poles	16,471.59	1,156.59
26 56 13 00-0715	EA	80' High Mast Light Poles	18,557.73	1,232.15
26 56 13 00-0716	EA	90' High Mast Light Poles	20,667.99	1,330.95
26 56 13 00-0717	EA	100' High Mast Light Poles	22,803.62	1,453.01
26 56 13 00-0718	EA	110' High Mast Light Poles	24,964.60	1,598.31
26 56 13 00-0719	EA	120' High Mast Light Poles	26,615.69	1,743.62
26 56 13 00-0720	EA	130' High Mast Light Poles	26,208.75	3,231.49
26 56 13 00-0721	EA	140' High Mast Light Poles	29,748.76	2,034.21
26 56 13 00-0722	EA	150' High Mast Light Poles	31,569.00	2,179.52
26 56 13 00-0723 High Mast Lighting Accessories (26 56 13 00-0700)				
26 56 13 00-0724	EA	Bottom Latching System For High Mast Lighting	670.29	
26 56 13 00-0725	EA	Top Latching System For High Mast Lighting	1,864.54	
26 56 13 00-0726	EA	Centering Springs For High Mast Lighting	1,411.78	
26 56 13 00-0727	EA	Electric Power Cord For High Mast Lighting	602.10	
26 56 13 00-0728	EA	Aircraft Warning Lights For High Mast Lighting	1,135.65	
26 56 13 00-0729	EA	Internal Motorized Hoist For High Mast Lighting	11,763.77	
26 56 13 00-0730	EA	Portable Hoist Motor With Step Down Transformer For High Mast Lighting	11,855.43	
26 56 13 00-0731 Concrete Bases (26 56 13 00-0001)				
26 56 13 00-0732 Concrete Bases, Cast In Place (26 56 13 00-0731)				
Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. Excludes conduit.				
26 56 13 00-0733	VLF	2' Diameter Concrete Base For Poles	87.31	
26 56 13 00-0734	VLF	2-1/2' Diameter Concrete Base For Poles	110.20	
26 56 13 00-0735	VLF	3' Diameter Concrete Base For Poles	133.94	
26 56 13 00-0736	VLF	3-1/2' Diameter Concrete Base For Poles	167.22	
26 56 13 00-0737	VLF	4' Diameter Concrete Base For Poles	199.19	
26 56 13 00-0738	VLF	5' Diameter Concrete Base For Poles	271.68	
26 56 13 00-0739	VLF	6' Diameter Concrete Base For Poles	357.84	
26 56 18 Incandescent Exterior Lighting (26 56)				
26 56 18 00-0001 Exterior Globe (26 56 18)				
26 56 18 00-0002 Incandescent, Exterior Globe (26 56 18 00-0001)				
26 56 18 00-0003	EA	100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	55.45	19.49
26 56 18 00-0004	EA	150 To 200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	87.56	19.49
26 56 18 00-0005	EA	100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	66.25	19.49
26 56 18 00-0006	EA	150 To 200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	91.72	19.49
26 56 18 00-0007 Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 18)				
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.				
26 56 18 00-0008	EA	7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	223.19	77.95
26 56 18 00-0009	EA	9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	232.97	82.82
26 56 18 00-0010	EA	13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	256.04	87.69
26 56 18 00-0011	EA	75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	251.63	97.44
26 56 18 00-0012	EA	100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	283.55	112.05
26 56 19 LED Exterior Lighting (26 56)				
26 56 19 00-0001 LED, Wall Packs (26 56 19)				
26 56 19 00-0002 Full Cutoff, LED Wall Packs (26 56 19 00-0001)				
26 56 19 00-0003 Full Cutoff, LED Wall Packs (Lithonia) (26 56 19 00-0002)				
26 56 19 00-0004	EA	30 LEDs, 57 Watt, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	896.49	105.23
For >50 To 100, Deduct			-44.82	
For >100 To 250, Deduct			-67.24	
For >250 To 500, Deduct			-106.80	
For >500 To 1000, Deduct			-146.36	
For >1000, Deduct			-185.93	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0005	EA	30 LEDs, 35 Watt, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED).....	970.95	105.23
		For >50 To 100, Deduct	-48.55	
		For >100 To 250, Deduct	-72.82	
		For >250 To 500, Deduct	-116.11	
		For >500 To 1000, Deduct	-159.39	
		For >1000, Deduct	-202.68	
26 56 19 00-0006		Full Cutoff, LED Wall Packs (CREE® BetaLED®) (26 56 19 00-0002)		
26 56 19 00-0007		Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG) (26 56 19 00-0006)		
		Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0008	EA	20 LEDs, 26 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	751.04	102.22
		Note: Includes 350mA or 525mA driver.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
		For Bird Spikes, Add	38.74	
		For Fuse, Add	45.26	
		For 0 To 10 Volt Dimming, Add	45.26	
		For 480 Volt, Add	67.90	
		For Multi-Level, Add	98.07	
		For >50 To 100, Deduct	-37.55	
		For >100 To 250, Deduct	-56.33	
		For >250 To 500, Deduct	-88.77	
		For >500 To 1000, Deduct	-121.21	
		For >1000, Deduct	-153.65	
26 56 19 00-0009	EA	40 LEDs, 47 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	961.11	108.24
		Note: Includes 350mA or 525mA driver.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
		For Bird Spikes, Add	39.34	
		For Fuse, Add	45.26	
		For 0 To 10 Volt Dimming, Add	45.26	
		For 480 Volt, Add	67.90	
		For Multi-Level, Add	98.07	
		For >50 To 100, Deduct	-48.06	
		For >100 To 250, Deduct	-72.08	
		For >250 To 500, Deduct	-114.73	
		For >500 To 1000, Deduct	-157.37	
		For >1000, Deduct	-200.01	
26 56 19 00-0010	EA	60 LEDs, 68 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,075.41	114.25
		Note: Includes 350mA or 525mA driver.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
		For Bird Spikes, Add	39.95	
		For Fuse, Add	45.26	
		For 0 To 10 Volt Dimming, Add	45.26	
		For 480 Volt, Add	67.90	
		For Multi-Level, Add	98.07	
		For >50 To 100, Deduct	-53.77	
		For >100 To 250, Deduct	-80.66	
		For >250 To 500, Deduct	-128.71	
		For >500 To 1000, Deduct	-176.77	
		For >1000, Deduct	-224.83	
26 56 19 00-0011	EA	80 LEDs, 90 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,381.22	120.27
		Note: Includes 350mA or 525mA driver.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
		For Bird Spikes, Add	40.55	
		For Fuse, Add	45.26	
		For 0 To 10 Volt Dimming, Add	45.26	
		For 480 Volt, Add	67.90	
		For Multi-Level, Add	98.07	
		For >50 To 100, Deduct	-69.06	
		For >100 To 250, Deduct	-103.59	
		For >250 To 500, Deduct	-166.64	
		For >500 To 1000, Deduct	-229.69	
		For >1000, Deduct	-292.73	
26 56 19 00-0012	EA	100 LEDs, 111 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,591.29	126.28
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
		For Bird Spikes, Add	41.15	
		For Fuse, Add	45.26	
		For 0 To 10 Volt Dimming, Add	45.26	
		For 480 Volt, Add	67.90	
		For Multi-Level, Add	98.07	
		For >50 To 100, Deduct	-79.56	
		For >100 To 250, Deduct	-119.35	
		For >250 To 500, Deduct	-192.60	
		For >500 To 1000, Deduct	-265.85	
		For >1000, Deduct	-339.10	



Electrical		26
Lighting		26 50
Exterior Lighting		26 56

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0013	EA	120 LEDs, 132 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)..... <i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i> <i>For Bird Spikes, Add</i> <i>For Fuse, Add</i> <i>For 0 To 10 Volt Dimming, Add</i> <i>For 480 Volt, Add</i> <i>For Multi-Level, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	1,801.36 15.08 41.75 45.26 45.26 67.90 98.07 -90.07 -135.10 -218.56 -302.01 -385.46	132.29
26 56 19 00-0014		Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™) (26 56 19 00-0006) Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0015	EA	25 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™)..... <i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i> <i>For 0 To 10 Volt Dimming, Add</i> <i>For Multi-Level, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	456.96 15.08 45.26 45.26 -22.85 -34.27 -52.01 -69.75 -87.48	102.22
26 56 19 00-0016	EA	42 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™)..... <i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i> <i>For 0 To 10 Volt Dimming, Add</i> <i>For Multi-Level, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	527.90 15.08 45.26 45.26 -26.40 -39.59 -60.58 -81.56 -102.54	108.24
26 56 19 00-0017		Open Face LED Wall Pack (26 56 19 00-0001) Note: Heavy-duty cast aluminum housing is polyester powder coated to be rust and corrosion proof, High-quality shatter-resistant glass		
26 56 19 00-0018	EA	3,640 Lumens, 28 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP28U-50B-MS)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	564.61 -28.23 -42.35 -62.58 -82.81 -103.04	106.66
26 56 19 00-0019	EA	5,540 Lumens, 40 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP40U-50B-MS)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	600.81 -30.04 -45.06 -67.10 -89.14 -111.18	106.66
26 56 19 00-0020	EA	7,065 Lumens, 50 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP50U-50B-MS)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	619.76 -30.99 -46.48 -69.47 -92.46 -115.45	106.66
26 56 19 00-0021	EA	11,375 Lumens, 80 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP80U-50B-MS)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	635.14 -31.76 -47.64 -71.39 -95.15 -118.91	106.66
26 56 19 00-0022	EA	16,945 Lumens, 120 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP120U-50B-MS)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	750.44 -37.52 -56.28 -85.61 -115.33 -144.85	106.66
26 56 19 00-0023		Wall Pack Accessories (26 56 19 00-0001)		
26 56 19 00-0024	EA	Photocell For Wall Pack.....	103.08	26.67
26 56 19 00-0025	EA	Wire Guard For Mini And Small Wall Pack.....	113.48	26.67
26 56 19 00-0026	EA	Wire Guard For Medium And Large Wall Pack.....	156.97	26.67
26 56 19 00-0027	EA	Clear Polycarbonate Vandal Guard For Wall Packs.....	219.73	26.67
26 56 19 00-0028	EA	Full Cutoff Visor For Wall Pack.....	110.64	26.67
26 56 19 00-0029		LED, Roadway Lighting (26 56 19)		
26 56 19 00-0030		LED Roadway Lighting (Philips Lumec) (26 56 19 00-0029)		



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 19 00-0031	Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series) <small>(26 56 19 00-0030)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0032	EA 49 LEDs, 102 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series)	1,106.50	144.63
	For >50 To 100, Deduct	-55.33	
	For >100 To 250, Deduct	-82.99	
	For >250 To 500, Deduct	-131.08	
	For >500 To 1000, Deduct	-179.18	
	For >1000, Deduct	-227.27	
26 56 19 00-0033	EA 98 LEDs, 204 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series)	1,691.50	148.53
	For >50 To 100, Deduct	-84.58	
	For >100 To 250, Deduct	-126.86	
	For >250 To 500, Deduct	-204.01	
	For >500 To 1000, Deduct	-281.16	
	For >1000, Deduct	-358.31	
26 56 19 00-0034	Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec RFM Series) <small>(26 56 19 00-0030)</small> Note: UL wet listed. Includes 3,000 to 4,000K color temperature, 120-277 voltage, up to 1050mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0035	EA 48 LEDs, 55 Watt, Type III Medium, 120-277 Volt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec RFM Series)	824.00	144.63
	For >50 To 100, Deduct	-41.20	
	For >100 To 250, Deduct	-61.80	
	For >250 To 500, Deduct	-95.77	
	For >500 To 1000, Deduct	-129.74	
	For >1000, Deduct	-163.71	
26 56 19 00-0036	EA 48 LEDs, 80 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series)	824.00	144.63
	For >50 To 100, Deduct	-41.20	
	For >100 To 250, Deduct	-61.80	
	For >250 To 500, Deduct	-95.77	
	For >500 To 1000, Deduct	-129.74	
	For >1000, Deduct	-163.71	
26 56 19 00-0037	EA 48 LEDs, 108 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series)	824.00	144.63
	For >50 To 100, Deduct	-41.20	
	For >100 To 250, Deduct	-61.80	
	For >250 To 500, Deduct	-95.77	
	For >500 To 1000, Deduct	-129.74	
	For >1000, Deduct	-163.71	
26 56 19 00-0038	LED Roadway Lighting (Lithonia) <small>(26 56 19 00-0029)</small>		
26 56 19 00-0039	Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series) <small>(26 56 19 00-0038)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 19 00-0040	EA 30 LEDs, 74 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	1,573.52	136.80
	For >50 To 100, Deduct	-78.68	
	For >100 To 250, Deduct	-118.01	
	For >250 To 500, Deduct	-189.85	
	For >500 To 1000, Deduct	-261.69	
	For >1000, Deduct	-333.52	
26 56 19 00-0041	EA 60 LEDs, 146 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	2,561.96	140.71
	For >50 To 100, Deduct	-128.10	
	For >100 To 250, Deduct	-192.15	
	For >250 To 500, Deduct	-313.21	
	For >500 To 1000, Deduct	-434.27	
	For >1000, Deduct	-555.33	
26 56 19 00-0042	LED Roadway Lighting (CREE® BetaLED®) <small>(26 56 19 00-0029)</small>		
26 56 19 00-0043	Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY) <small>(26 56 19 00-0042)</small> Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.		
26 56 19 00-0044	EA 20 LEDs, 25 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	703.33	132.90
	For >50 To 100, Deduct	-35.17	
	For >100 To 250, Deduct	-52.75	
	For >250 To 500, Deduct	-81.27	
	For >500 To 1000, Deduct	-109.79	
	For >1000, Deduct	-138.31	



		Electrical	26
		Lighting	26 50
		Exterior Lighting	26 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0045	EA	30 LEDs, 35 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	785.34	136.80	
		For >50 To 100, Deduct	-39.27		
		For >100 To 250, Deduct	-58.90		
		For >250 To 500, Deduct	-91.33		
		For >500 To 1000, Deduct	-123.75		
		For >1000, Deduct	-156.18		
26 56 19 00-0046	EA	40 LEDs, 45 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	883.99	140.71	
		For >50 To 100, Deduct	-44.20		
		For >100 To 250, Deduct	-66.30		
		For >250 To 500, Deduct	-103.46		
		For >500 To 1000, Deduct	-140.63		
		For >1000, Deduct	-177.79		
26 56 19 00-0047	EA	50 LEDs, 55 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	967.28	144.63	
		For >50 To 100, Deduct	-48.36		
		For >100 To 250, Deduct	-72.55		
		For >250 To 500, Deduct	-113.68		
		For >500 To 1000, Deduct	-154.81		
		For >1000, Deduct	-195.95		
26 56 19 00-0048	EA	60 LEDs, 65 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,050.58	148.53	
		For >50 To 100, Deduct	-52.53		
		For >100 To 250, Deduct	-78.79		
		For >250 To 500, Deduct	-123.90		
		For >500 To 1000, Deduct	-169.00		
		For >1000, Deduct	-214.10		
26 56 19 00-0049	EA	70 LEDs, 75 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,246.46	152.44	
		For >50 To 100, Deduct	-62.32		
		For >100 To 250, Deduct	-93.48		
		For >250 To 500, Deduct	-148.19		
		For >500 To 1000, Deduct	-202.89		
		For >1000, Deduct	-257.59		
26 56 19 00-0050	EA	80 LEDs, 86 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,329.75	156.35	
		For >50 To 100, Deduct	-66.49		
		For >100 To 250, Deduct	-99.73		
		For >250 To 500, Deduct	-158.40		
		For >500 To 1000, Deduct	-217.07		
		For >1000, Deduct	-275.74		
26 56 19 00-0051	EA	90 LEDs, 96 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,411.77	160.25	
		For >50 To 100, Deduct	-70.59		
		For >100 To 250, Deduct	-105.88		
		For >250 To 500, Deduct	-168.46		
		For >500 To 1000, Deduct	-231.03		
		For >1000, Deduct	-293.61		
26 56 19 00-0052	EA	100 LEDs, 111 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,570.55	164.17	
		For >50 To 100, Deduct	-78.53		
		For >100 To 250, Deduct	-117.79		
		For >250 To 500, Deduct	-188.11		
		For >500 To 1000, Deduct	-258.43		
		For >1000, Deduct	-328.75		
26 56 19 00-0053	EA	110 LEDs, 122 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,653.85	168.08	
		For >50 To 100, Deduct	-82.69		
		For >100 To 250, Deduct	-124.04		
		For >250 To 500, Deduct	-198.33		
		For >500 To 1000, Deduct	-272.62		
		For >1000, Deduct	-346.91		
26 56 19 00-0054	EA	120 LEDs, 133 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,737.14	171.98	
		For >50 To 100, Deduct	-86.86		
		For >100 To 250, Deduct	-130.29		
		For >250 To 500, Deduct	-208.54		
		For >500 To 1000, Deduct	-286.80		
		For >1000, Deduct	-365.06		
26 56 19 00-0055		Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG) ^(26 56 19 00-0042)			
		Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.			
26 56 19 00-0056	EA	40 LEDs, 47 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,350.94	140.71	
		For Multi-Level Drive Currents, Add	179.10		
		For >50 To 100, Deduct	-67.55		
		For >100 To 250, Deduct	-101.32		
		For >250 To 500, Deduct	-161.83		
		For >500 To 1000, Deduct	-222.34		
		For >1000, Deduct	-282.85		

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0057	EA		60 LEDs, 68 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,554.63	148.53
			For Multi-Level Drive Currents, Add	179.10	
			For >50 To 100, Deduct	-77.73	
			For >100 To 250, Deduct	-116.60	
			For >250 To 500, Deduct	-186.90	
			For >500 To 1000, Deduct	-257.21	
			For >1000, Deduct	-327.51	
26 56 19 00-0058	EA		80 LEDs, 90 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,758.32	156.35
			For Multi-Level Drive Currents, Add	179.10	
			For >50 To 100, Deduct	-87.92	
			For >100 To 250, Deduct	-131.87	
			For >250 To 500, Deduct	-211.97	
			For >500 To 1000, Deduct	-282.07	
			For >1000, Deduct	-372.17	
26 56 19 00-0059	EA		100 LEDs, 111 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,962.02	164.17
			For Multi-Level Drive Currents, Add	179.10	
			For >50 To 100, Deduct	-98.10	
			For >100 To 250, Deduct	-147.15	
			For >250 To 500, Deduct	-237.04	
			For >500 To 1000, Deduct	-326.94	
			For >1000, Deduct	-416.83	
26 56 19 00-0060	EA		120 LEDs, 132 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,564.86	171.98
			For Multi-Level Drive Currents, Add	179.10	
			For >50 To 100, Deduct	-128.24	
			For >100 To 250, Deduct	-192.36	
			For >250 To 500, Deduct	-312.01	
			For >500 To 1000, Deduct	-431.65	
			For >1000, Deduct	-551.30	
26 56 19 00-0061	EA		140 LEDs, 157 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,768.56	179.80
			For Multi-Level Drive Currents, Add	179.10	
			For >50 To 100, Deduct	-138.43	
			For >100 To 250, Deduct	-207.64	
			For >250 To 500, Deduct	-337.08	
			For >500 To 1000, Deduct	-466.52	
			For >1000, Deduct	-595.96	
26 56 19 00-0062	EA		160 LEDs, 179 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,972.25	187.62
			For Multi-Level Drive Currents, Add	179.10	
			For >50 To 100, Deduct	-148.61	
			For >100 To 250, Deduct	-222.92	
			For >250 To 500, Deduct	-362.15	
			For >500 To 1000, Deduct	-501.38	
			For >1000, Deduct	-640.61	
26 56 19 00-0063			Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP) <small>(26 56 19 00-0042)</small> Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0064	EA		4,806 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A).....	596.71	140.71
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
			For Backlight Control Shield, Add	28.33	
			For Field Adjustable Output, Add	22.64	
			For Bird Spikes, Add	42.59	
			For Field Adjustable Output And Utility Label, Add	30.18	
			For Fuse, Add	45.26	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	45.26	
			For 480 Volt, Add	67.90	
			For Multi-Level, Add	98.07	
			For >50 To 100, Deduct	-29.84	
			For >100 To 250, Deduct	-44.75	
			For >250 To 500, Deduct	-67.55	
			For >500 To 1000, Deduct	-90.35	
			For >1000, Deduct	-113.15	
26 56 19 00-0065	EA		5,340 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A).....	596.71	140.71
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
			For Backlight Control Shield, Add	28.33	
			For Field Adjustable Output, Add	22.64	
			For Bird Spikes, Add	42.59	
			For Field Adjustable Output And Utility Label, Add	30.18	
			For Fuse, Add	45.26	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	45.26	
			For 480 Volt, Add	67.90	
			For Multi-Level, Add	98.07	
			For >50 To 100, Deduct	-29.84	
			For >100 To 250, Deduct	-44.75	
			For >250 To 500, Deduct	-67.55	
			For >500 To 1000, Deduct	-90.35	
			For >1000, Deduct	-113.15	



Electrical			26
Lighting			26 50
Exterior Lighting			26 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0066	EA		8,407 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E).....	653.74	140.71
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
			For Backlight Control Shield, Add	28.33	
			For Field Adjustable Output, Add	22.64	
			For Bird Spikes, Add	42.59	
			For Field Adjustable Output And Utility Label, Add	30.18	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	45.26	
			For 480 Volt, Add	67.90	
			For >50 To 100, Deduct	-32.69	
			For >100 To 250, Deduct	-49.03	
			For >250 To 500, Deduct	-74.68	
			For >500 To 1000, Deduct	-100.33	
			For >1000, Deduct	-125.98	
26 56 19 00-0067	EA		8,820 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E).....	653.74	140.71
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
			For Backlight Control Shield, Add	28.33	
			For Field Adjustable Output, Add	22.64	
			For Bird Spikes, Add	42.59	
			For Field Adjustable Output And Utility Label, Add	30.18	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	45.26	
			For 480 Volt, Add	67.90	
			For >50 To 100, Deduct	-32.69	
			For >100 To 250, Deduct	-49.03	
			For >250 To 500, Deduct	-74.68	
			For >500 To 1000, Deduct	-100.33	
			For >1000, Deduct	-125.98	
26 56 19 00-0068	EA		9,612 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B).....	755.12	140.71
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
			For Field Adjustable Output, Add	22.64	
			For Backlight Control Shield, Add	39.41	
			For Field Adjustable Output And Utility Label, Add	30.18	
			For Fuse, Add	45.26	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	45.26	
			For Bird Spikes, Add	67.94	
			For 480 Volt, Add	67.90	
			For Multi-Level, Add	98.07	
			For >50 To 100, Deduct	-37.76	
			For >100 To 250, Deduct	-56.63	
			For >250 To 500, Deduct	-87.35	
			For >500 To 1000, Deduct	-118.07	
			For >1000, Deduct	-148.79	
26 56 19 00-0069	EA		10,680 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B).....	755.12	140.71
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
			For Field Adjustable Output, Add	22.64	
			For Backlight Control Shield, Add	39.41	
			For Field Adjustable Output And Utility Label, Add	30.18	
			For Fuse, Add	45.26	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	45.26	
			For Bird Spikes, Add	67.94	
			For 480 Volt, Add	67.90	
			For Multi-Level, Add	98.07	
			For >50 To 100, Deduct	-37.76	
			For >100 To 250, Deduct	-56.63	
			For >250 To 500, Deduct	-87.35	
			For >500 To 1000, Deduct	-118.07	
			For >1000, Deduct	-148.79	
26 56 19 00-0070	EA		13,732 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	850.19	140.71
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
			For Field Adjustable Output, Add	22.64	
			For Backlight Control Shield, Add	39.41	
			For Field Adjustable Output And Utility Label, Add	30.18	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	45.26	
			For Bird Spikes, Add	67.94	
			For 480 Volt, Add	67.90	
			For >50 To 100, Deduct	-42.51	
			For >100 To 250, Deduct	-63.76	
			For >250 To 500, Deduct	-99.24	
			For >500 To 1000, Deduct	-134.71	
			For >1000, Deduct	-170.19	
26 56 19 00-0071	EA		14,408 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	850.19	140.71
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
			For Field Adjustable Output, Add	22.64	
			For Backlight Control Shield, Add	39.41	
			For Field Adjustable Output And Utility Label, Add	30.18	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	45.26	
			For Bird Spikes, Add	67.94	
			For 480 Volt, Add	67.90	
			For >50 To 100, Deduct	-42.51	
			For >100 To 250, Deduct	-63.76	
			For >250 To 500, Deduct	-99.24	
			For >500 To 1000, Deduct	-134.71	
			For >1000, Deduct	-170.19	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0072	EA		2,529 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-G).....	495.31	140.71
			For Utility Label, Add	7.54	
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
			For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.64	
			For 0 To 10 Volt Dimming, Add	45.26	
			For >50 To 100, Deduct	-24.77	
			For >100 To 250, Deduct	-37.15	
			For >250 To 500, Deduct	-54.88	
			For >500 To 1000, Deduct	-72.61	
			For >1000, Deduct	-90.34	
26 56 19 00-0073	EA		2,722 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	495.31	140.71
			For Utility Label, Add	7.54	
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
			For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.64	
			For 0 To 10 Volt Dimming, Add	45.26	
			For >50 To 100, Deduct	-24.77	
			For >100 To 250, Deduct	-37.15	
			For >250 To 500, Deduct	-54.88	
			For >500 To 1000, Deduct	-72.61	
			For >1000, Deduct	-90.34	
26 56 19 00-0074	EA		3,819 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-C).....	519.08	140.71
			For Utility Label, Add	7.54	
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
			For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.64	
			For 0 To 10 Volt Dimming, Add	45.26	
			For >50 To 100, Deduct	-25.95	
			For >100 To 250, Deduct	-38.93	
			For >250 To 500, Deduct	-57.85	
			For >500 To 1000, Deduct	-76.77	
			For >1000, Deduct	-95.69	
26 56 19 00-0075	EA		4,109 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-C).....	519.08	140.71
			For Utility Label, Add	7.54	
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
			For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.64	
			For 0 To 10 Volt Dimming, Add	45.26	
			For >50 To 100, Deduct	-25.95	
			For >100 To 250, Deduct	-38.93	
			For >250 To 500, Deduct	-57.85	
			For >500 To 1000, Deduct	-76.77	
			For >1000, Deduct	-95.69	
26 56 19 00-0076	EA		4,548 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	527.00	140.71
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
			For Field Adjustable Output, Add	22.64	
			For Field Adjustable Output And Utility Label, Add	30.18	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	45.26	
			For 0 To 10 Volt Dimming, Add	45.26	
			For >50 To 100, Deduct	-26.35	
			For >100 To 250, Deduct	-39.53	
			For >250 To 500, Deduct	-58.84	
			For >500 To 1000, Deduct	-78.15	
			For >1000, Deduct	-97.47	
26 56 19 00-0077	EA		4,627 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	527.00	140.71
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
			For Field Adjustable Output, Add	22.64	
			For Field Adjustable Output And Utility Label, Add	30.18	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	45.26	
			For 0 To 10 Volt Dimming, Add	45.26	
			For >50 To 100, Deduct	-26.35	
			For >100 To 250, Deduct	-39.53	
			For >250 To 500, Deduct	-58.84	
			For >500 To 1000, Deduct	-78.15	
			For >1000, Deduct	-97.47	
26 56 19 00-0078			Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® RSW™) (26 56 19 00-0042) Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Includes utility label and NEMA® photocell receptacle. Excludes sensors.		
26 56 19 00-0079	EA		3,300 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-30K-UL-GY-N).....	511.16	140.71
			For Field Adjustable Output, Add	22.64	
			For Backlight Control Shield, Add	51.79	
			For Bird Spikes, Add	68.39	
			For >50 To 100, Deduct	-25.56	
			For >100 To 250, Deduct	-38.34	
			For >250 To 500, Deduct	-56.86	
			For >500 To 1000, Deduct	-75.38	
			For >1000, Deduct	-93.90	



Electrical			26
Lighting			26 50
Exterior Lighting			26 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0080	EA		3,300 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-40K-UL-GY-N).....	511.16	140.71
			For Field Adjustable Output, Add	22.64	
			For Backlight Control Shield, Add	51.79	
			For Bird Spikes, Add	68.39	
			For >50 To 100, Deduct	-25.56	
			For >100 To 250, Deduct	-38.34	
			For >250 To 500, Deduct	-56.86	
			For >500 To 1000, Deduct	-75.38	
			For >1000, Deduct	-93.90	
26 56 19 00-0081	EA		5,000 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-30K-UL-GY-N).....	527.00	140.71
			For Field Adjustable Output, Add	22.64	
			For Backlight Control Shield, Add	51.79	
			For Bird Spikes, Add	68.39	
			For >50 To 100, Deduct	-26.35	
			For >100 To 250, Deduct	-39.53	
			For >250 To 500, Deduct	-58.84	
			For >500 To 1000, Deduct	-78.15	
			For >1000, Deduct	-97.47	
26 56 19 00-0082	EA		5,000 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-40K-UL-GY-N).....	527.00	140.71
			For Field Adjustable Output, Add	22.64	
			For Backlight Control Shield, Add	51.79	
			For Bird Spikes, Add	68.39	
			For >50 To 100, Deduct	-26.35	
			For >100 To 250, Deduct	-39.53	
			For >250 To 500, Deduct	-58.84	
			For >500 To 1000, Deduct	-78.15	
			For >1000, Deduct	-97.47	
26 56 19 00-0083			LED Roadway Lighting (Cooper Lighting) (26 56 19 00-0029)		
26 56 19 00-0084			Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™) (26 56 19 00-0083)		
			Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0085	EA		1 LED Light Square, 51 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	728.44	140.71
			For >50 To 100, Deduct	-36.42	
			For >100 To 250, Deduct	-54.63	
			For >250 To 500, Deduct	-84.02	
			For >500 To 1000, Deduct	-113.41	
			For >1000, Deduct	-142.79	
26 56 19 00-0086	EA		2 LED Light Squares, 103 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	971.35	156.35
			For >50 To 100, Deduct	-48.57	
			For >100 To 250, Deduct	-72.85	
			For >250 To 500, Deduct	-113.60	
			For >500 To 1000, Deduct	-154.35	
			For >1000, Deduct	-195.10	
26 56 19 00-0087	EA		3 LED Light Squares, 154 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,047.54	179.80
			For >50 To 100, Deduct	-52.38	
			For >100 To 250, Deduct	-78.57	
			For >250 To 500, Deduct	-121.95	
			For >500 To 1000, Deduct	-165.34	
			For >1000, Deduct	-208.73	
26 56 19 00-0088	EA		4 LED Light Squares, 206 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,525.14	195.43
			For >50 To 100, Deduct	-76.26	
			For >100 To 250, Deduct	-114.39	
			For >250 To 500, Deduct	-180.87	
			For >500 To 1000, Deduct	-247.36	
			For >1000, Deduct	-313.84	
26 56 19 00-0089	EA		6 LED Light Squares, 309 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,984.58	222.50
			For >50 To 100, Deduct	-99.23	
			For >100 To 250, Deduct	-148.84	
			For >250 To 500, Deduct	-236.95	
			For >500 To 1000, Deduct	-325.05	
			For >1000, Deduct	-413.16	
26 56 19 00-0090			LED Roadway Lighting (PlanLED) (26 56 19 00-0029)		
26 56 19 00-0091			Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA) (26 56 19 00-0090)		
			Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0092	EA	8,500 Lumens, 85 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W).....	861.05	136.80
		For >50 To 100, Deduct	-43.05	
		For >100 To 250, Deduct	-64.58	
		For >250 To 500, Deduct	-100.79	
		For >500 To 1000, Deduct	-137.00	
		For >1000, Deduct	-173.22	
26 56 19 00-0093	EA	11,000 Lumens, 110 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W).....	931.74	138.31
		For >50 To 100, Deduct	-46.59	
		For >100 To 250, Deduct	-69.88	
		For >250 To 500, Deduct	-109.55	
		For >500 To 1000, Deduct	-149.22	
		For >1000, Deduct	-188.90	
26 56 19 00-0094	EA	15,000 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W).....	987.99	140.71
		For >50 To 100, Deduct	-49.40	
		For >100 To 250, Deduct	-74.10	
		For >250 To 500, Deduct	-116.46	
		For >500 To 1000, Deduct	-158.83	
		For >1000, Deduct	-201.19	
26 56 19 00-0095		Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA) <small>(26 56 19 00-0095)</small> Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0096	EA	7,200 Lumens, 60 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060).....	587.78	133.50
		For >50 To 100, Deduct	-29.39	
		For >100 To 250, Deduct	-44.08	
		For >250 To 500, Deduct	-66.80	
		For >500 To 1000, Deduct	-89.51	
		For >1000, Deduct	-112.23	
26 56 19 00-0097	EA	10,000 Lumens, 80 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080).....	626.43	135.91
		For >50 To 100, Deduct	-31.32	
		For >100 To 250, Deduct	-46.98	
		For >250 To 500, Deduct	-71.51	
		For >500 To 1000, Deduct	-96.04	
		For >1000, Deduct	-120.56	
26 56 19 00-0098	EA	12,500 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100).....	686.75	138.31
		For >50 To 100, Deduct	-34.34	
		For >100 To 250, Deduct	-51.51	
		For >250 To 500, Deduct	-78.93	
		For >500 To 1000, Deduct	-106.35	
		For >1000, Deduct	-133.77	
26 56 19 00-0099		Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META) <small>(26 56 19 00-0099)</small> Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0100	EA	13,000 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100).....	726.00	138.31
		For 0 To 10 Volt Dimming, Add	57.98	
		For 480 Volt, Add	57.98	
		For >50 To 100, Deduct	-36.30	
		For >100 To 250, Deduct	-54.45	
		For >250 To 500, Deduct	-83.83	
		For >500 To 1000, Deduct	-113.22	
		For >1000, Deduct	-142.60	
26 56 19 00-0101	EA	16,900 Lumens, 130 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130).....	798.79	139.51
		For 0 To 10 Volt Dimming, Add	57.98	
		For 480 Volt, Add	17.12	
		For >50 To 100, Deduct	-39.94	
		For >100 To 250, Deduct	-59.91	
		For >250 To 500, Deduct	-92.87	
		For >500 To 1000, Deduct	-125.84	
		For >1000, Deduct	-158.80	
26 56 19 00-0102	EA	19,500 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150).....	855.34	140.71
		For 0 To 10 Volt Dimming, Add	57.98	
		For 480 Volt, Add	-6.15	
		For >50 To 100, Deduct	-42.77	
		For >100 To 250, Deduct	-64.15	
		For >250 To 500, Deduct	-99.88	
		For >500 To 1000, Deduct	-135.61	
		For >1000, Deduct	-171.34	
26 56 19 00-0103		LED Roadway Lighting (General Electric) <small>(26 56 19 00-0103)</small>		
26 56 19 00-0104		Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric) <small>(26 56 19 00-0104)</small> Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.		



Electrical			26
Lighting			26 50
Exterior Lighting			26 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0105	EA		2,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 02XX 40 A GRAY)	463.53	132.90
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >50 To 100, Deduct	-23.18	
			For >100 To 250, Deduct	-34.76	
			For >250 To 500, Deduct	-51.30	
			For >500 To 1000, Deduct	-67.83	
			For >1000, Deduct	-84.36	
26 56 19 00-0106	EA		3,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 03XX 40 A GRAY)	467.13	134.70
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >50 To 100, Deduct	-23.36	
			For >100 To 250, Deduct	-35.03	
			For >250 To 500, Deduct	-51.66	
			For >500 To 1000, Deduct	-68.28	
			For >1000, Deduct	-84.90	
26 56 19 00-0107	EA		4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 04XX 40 A GRAY)	485.02	136.80
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >50 To 100, Deduct	-24.25	
			For >100 To 250, Deduct	-36.38	
			For >250 To 500, Deduct	-53.79	
			For >500 To 1000, Deduct	-71.20	
			For >1000, Deduct	-88.61	
26 56 19 00-0108	EA		5,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 05XX 40 A GRAY)	502.96	138.31
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >50 To 100, Deduct	-25.15	
			For >100 To 250, Deduct	-37.72	
			For >250 To 500, Deduct	-55.95	
			For >500 To 1000, Deduct	-74.19	
			For >1000, Deduct	-92.42	
26 56 19 00-0109	EA		7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 07XX 40 A GRAY)	550.00	141.32
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >50 To 100, Deduct	-27.50	
			For >100 To 250, Deduct	-41.25	
			For >250 To 500, Deduct	-61.68	
			For >500 To 1000, Deduct	-82.12	
			For >1000, Deduct	-102.55	
26 56 19 00-0110	EA		8,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 08XX 40 A GRAY)	574.80	142.51
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >50 To 100, Deduct	-28.74	
			For >100 To 250, Deduct	-43.11	
			For >250 To 500, Deduct	-64.72	
			For >500 To 1000, Deduct	-86.34	
			For >1000, Deduct	-107.95	
26 56 19 00-0111	EA		9,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 10XX 40 A GRAY)	621.28	144.63
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >50 To 100, Deduct	-31.06	
			For >100 To 250, Deduct	-46.60	
			For >250 To 500, Deduct	-70.43	
			For >500 To 1000, Deduct	-94.26	
			For >1000, Deduct	-118.10	
26 56 19 00-0112	EA		13,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERLH 0 13XX 40 A GRAY)	719.88	148.53
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >50 To 100, Deduct	-35.99	
			For >100 To 250, Deduct	-53.99	
			For >250 To 500, Deduct	-82.56	
			For >500 To 1000, Deduct	-111.13	
			For >1000, Deduct	-139.69	
26 56 19 00-0113	EA		19,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL2 0 19XX 40 A GRAY)	835.00	156.35
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >50 To 100, Deduct	-41.75	
			For >100 To 250, Deduct	-62.63	
			For >250 To 500, Deduct	-96.56	
			For >500 To 1000, Deduct	-130.49	
			For >1000, Deduct	-164.42	

26 56 19 00-0114 LED Roadway Lighting (Acuity AEL Autobahn) (26 56 19 00-0029)

26 56 19 00-0115 Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) (26 56 19 00-0114)

Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0116	EA	4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70)	836.14	136.80
		For >50 To 100, Deduct	-41.81	
		For >100 To 250, Deduct	-62.71	
		For >250 To 500, Deduct	-97.68	
		For >500 To 1000, Deduct	-132.64	
		For >1000, Deduct	-167.61	
26 56 19 00-0117	EA	6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70)	1,024.35	140.71
		For >50 To 100, Deduct	-51.22	
		For >100 To 250, Deduct	-76.83	
		For >250 To 500, Deduct	-121.01	
		For >500 To 1000, Deduct	-165.19	
		For >1000, Deduct	-209.37	
26 56 19 00-0118	EA	9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70)	1,403.71	144.63
		For >50 To 100, Deduct	-70.19	
		For >100 To 250, Deduct	-105.28	
		For >250 To 500, Deduct	-168.23	
		For >500 To 1000, Deduct	-231.19	
		For >1000, Deduct	-294.14	
26 56 19 00-0119	EA	13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70)	1,786.60	150.34
		For >50 To 100, Deduct	-89.33	
		For >100 To 250, Deduct	-134.00	
		For >250 To 500, Deduct	-215.81	
		For >500 To 1000, Deduct	-297.62	
		For >1000, Deduct	-379.43	
26 56 19 00-0120	EA	17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70)	2,160.12	154.54
		For >50 To 100, Deduct	-108.01	
		For >100 To 250, Deduct	-162.01	
		For >250 To 500, Deduct	-262.29	
		For >500 To 1000, Deduct	-362.57	
		For >1000, Deduct	-462.85	
26 56 19 00-0121		LED Roadway Lighting (Leotek) (26 56 19 00-0029)		
26 56 19 00-0122		Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek) (26 56 19 00-0121)		
		Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.		
26 56 19 00-0123	EA	Up To 3,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-XXX-WL)	474.70	136.80
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	6.22	
		For ANSI 7-wire Photocontrol Receptacle, Add	18.65	
		For Ripley Long-Life Twist Lock Photocontrol, Add	33.38	
		For >50 To 100, Deduct	-23.74	
		For >100 To 250, Deduct	-35.60	
		For >250 To 500, Deduct	-52.50	
		For >500 To 1000, Deduct	-69.39	
		For >1000, Deduct	-86.29	
26 56 19 00-0124	EA	Up To 5,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-1AMP-WL)	484.24	138.31
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	6.22	
		For ANSI 7-wire Photocontrol Receptacle, Add	18.65	
		For Ripley Long-Life Twist Lock Photocontrol, Add	33.38	
		For >50 To 100, Deduct	-24.21	
		For >100 To 250, Deduct	-36.32	
		For >250 To 500, Deduct	-53.61	
		For >500 To 1000, Deduct	-70.91	
		For >1000, Deduct	-88.21	
26 56 19 00-0125	EA	Up To 9,950 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-6M2-MV-NW-X-GY-XXX-WL)	512.15	139.21
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	6.22	
		For ANSI 7-wire Photocontrol Receptacle, Add	18.65	
		For Ripley Long-Life Twist Lock Photocontrol, Add	33.38	
		For >50 To 100, Deduct	-25.61	
		For >100 To 250, Deduct	-38.41	
		For >250 To 500, Deduct	-57.06	
		For >500 To 1000, Deduct	-75.71	
		For >1000, Deduct	-94.35	
26 56 19 00-0126	EA	Up To 9,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC3-10M2-MV-NW-X-GY-XXX-WL)	585.65	144.63
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	6.22	
		For ANSI 7-wire Photocontrol Receptacle, Add	18.65	
		For Ripley Long-Life Twist Lock Photocontrol, Add	33.38	
		For >50 To 100, Deduct	-29.28	
		For >100 To 250, Deduct	-43.92	
		For >250 To 500, Deduct	-65.98	
		For >500 To 1000, Deduct	-88.03	
		For >1000, Deduct	-110.08	



Electrical			26	26
Lighting			26 50	
Exterior Lighting			26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0127	EA		Up To 11,450 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-12M2-MV-NW-X- GY-XXX-WL)	674.43	148.53
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.22	
			For ANSI 7-wire Photocontrol Receptacle, Add	18.65	
			For Ripley Long-Life Twist Lock Photocontrol, Add	33.38	
			For >50 To 100, Deduct	-33.72	
			For >100 To 250, Deduct	-50.58	
			For >250 To 500, Deduct	-76.88	
			For >500 To 1000, Deduct	-103.17	
			For >1000, Deduct	-129.47	
26 56 19 00-0128	EA		Up To 14,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-15M2-MV-NW-X- GY-XXX-WL)	679.24	150.93
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.22	
			For ANSI 7-wire Photocontrol Receptacle, Add	18.65	
			For Ripley Long-Life Twist Lock Photocontrol, Add	33.38	
			For >50 To 100, Deduct	-33.96	
			For >100 To 250, Deduct	-50.94	
			For >250 To 500, Deduct	-77.36	
			For >500 To 1000, Deduct	-103.77	
			For >1000, Deduct	-130.19	
26 56 19 00-0129	EA		Up To 16,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-18M2-MV-NW-X- GY-XXX-WL)	815.93	153.34
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.22	
			For ANSI 7-wire Photocontrol Receptacle, Add	18.65	
			For Ripley Long-Life Twist Lock Photocontrol, Add	33.38	
			For >50 To 100, Deduct	-40.80	
			For >100 To 250, Deduct	-61.19	
			For >250 To 500, Deduct	-94.32	
			For >500 To 1000, Deduct	-127.45	
			For >1000, Deduct	-160.58	
26 56 19 00-0130	EA		Up To 18,750 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-20M2-MV-NW-X- GY-XXX-WL)	853.28	156.35
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.22	
			For ANSI 7-wire Photocontrol Receptacle, Add	18.65	
			For Ripley Long-Life Twist Lock Photocontrol, Add	33.38	
			For >50 To 100, Deduct	-42.66	
			For >100 To 250, Deduct	-64.00	
			For >250 To 500, Deduct	-98.84	
			For >500 To 1000, Deduct	-133.69	
			For >1000, Deduct	-168.54	
26 56 19 00-0131	EA		Up To 22,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-24M2-MV-NW-X- GY-XXX-WL)	944.28	158.76
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.22	
			For ANSI 7-wire Photocontrol Receptacle, Add	18.65	
			For Ripley Long-Life Twist Lock Photocontrol, Add	33.38	
			For >50 To 100, Deduct	-47.21	
			For >100 To 250, Deduct	-70.82	
			For >250 To 500, Deduct	-110.10	
			For >500 To 1000, Deduct	-149.37	
			For >1000, Deduct	-188.65	
26 56 19 00-0132	EA		Up To 29,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC9-30M2-MV-NW-X- GY-XXX-WL)	1,007.85	161.16
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.22	
			For ANSI 7-wire Photocontrol Receptacle, Add	18.65	
			For Ripley Long-Life Twist Lock Photocontrol, Add	33.38	
			For >50 To 100, Deduct	-50.39	
			For >100 To 250, Deduct	-75.59	
			For >250 To 500, Deduct	-117.92	
			For >500 To 1000, Deduct	-160.26	
			For >1000, Deduct	-202.59	
26 56 19 00-0133	EA		Up To 4,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-20F-MV-NW-X-GY- XXX-WL)	539.08	138.31
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.22	
			For ANSI 7-wire Photocontrol Receptacle, Add	18.65	
			For Ripley Long-Life Twist Lock Photocontrol, Add	33.38	
			For >50 To 100, Deduct	-26.95	
			For >100 To 250, Deduct	-40.43	
			For >250 To 500, Deduct	-60.47	
			For >500 To 1000, Deduct	-80.51	
			For >1000, Deduct	-100.55	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 19 00-0134	EA	Up To 7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-30F-MV-NW-X-GY-XXX-WL).....	586.77	141.92
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	6.22	
		For ANSI 7-wire Photocontrol Receptacle, Add	18.65	
		For Ripley Long-Life Twist Lock Photocontrol, Add	33.38	
		For >50 To 100, Deduct	-29.34	
		For >100 To 250, Deduct	-44.01	
		For >250 To 500, Deduct	-66.25	
		For >500 To 1000, Deduct	-88.49	
		For >1000, Deduct	-110.74	
26 56 19 00-0135	EA	Up To 9,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-XXX-WL).....	628.74	144.63
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	6.22	
		For ANSI 7-wire Photocontrol Receptacle, Add	18.65	
		For Ripley Long-Life Twist Lock Photocontrol, Add	33.38	
		For >50 To 100, Deduct	-31.44	
		For >100 To 250, Deduct	-47.16	
		For >250 To 500, Deduct	-71.36	
		For >500 To 1000, Deduct	-95.57	
		For >1000, Deduct	-119.77	
26 56 19 00-0136	EA	Up To 12,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-1AMP-WL).....	665.40	147.93
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	6.22	
		For ANSI 7-wire Photocontrol Receptacle, Add	18.65	
		For Ripley Long-Life Twist Lock Photocontrol, Add	33.38	
		For >50 To 100, Deduct	-33.27	
		For >100 To 250, Deduct	-49.91	
		For >250 To 500, Deduct	-75.78	
		For >500 To 1000, Deduct	-101.65	
		For >1000, Deduct	-127.53	
26 56 19 00-0137	EA	Up To 13,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-60F-MV-NW-X-GY-XXX-WL).....	701.75	149.13
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	6.22	
		For ANSI 7-wire Photocontrol Receptacle, Add	18.65	
		For Ripley Long-Life Twist Lock Photocontrol, Add	33.38	
		For >50 To 100, Deduct	-35.09	
		For >100 To 250, Deduct	-52.63	
		For >250 To 500, Deduct	-80.26	
		For >500 To 1000, Deduct	-107.89	
		For >1000, Deduct	-135.52	
26 56 19 00-0138	EA	Up To 17,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-80F-MV-NW-X-GY-XXX-WL).....	823.56	154.54
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	6.22	
		For ANSI 7-wire Photocontrol Receptacle, Add	18.65	
		For Ripley Long-Life Twist Lock Photocontrol, Add	33.38	
		For >50 To 100, Deduct	-41.18	
		For >100 To 250, Deduct	-61.77	
		For >250 To 500, Deduct	-95.22	
		For >500 To 1000, Deduct	-128.67	
		For >1000, Deduct	-162.12	
26 56 19 00-0139	EA	Up To 19,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-90F-MV-NW-X-GY-XXX-WL).....	922.29	157.55
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	6.22	
		For ANSI 7-wire Photocontrol Receptacle, Add	18.65	
		For Ripley Long-Life Twist Lock Photocontrol, Add	33.38	
		For >50 To 100, Deduct	-46.11	
		For >100 To 250, Deduct	-69.17	
		For >250 To 500, Deduct	-107.41	
		For >500 To 1000, Deduct	-145.65	
		For >1000, Deduct	-183.88	
26 56 19 00-0140	EA	Up To 22,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-100F-MV-NW-X-GY-XXX-WL).....	975.72	158.15
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	6.22	
		For ANSI 7-wire Photocontrol Receptacle, Add	18.65	
		For Ripley Long-Life Twist Lock Photocontrol, Add	33.38	
		For >50 To 100, Deduct	-48.79	
		For >100 To 250, Deduct	-73.18	
		For >250 To 500, Deduct	-114.06	
		For >500 To 1000, Deduct	-154.94	
		For >1000, Deduct	-195.81	



Electrical		26
Lighting		26 50
Exterior Lighting		26 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0141	EA		Up To 26,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-120F-MV-NW-X-GY-XXX-WL).....	1,027.65	159.95
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.22	
			For ANSI 7-wire Photocontrol Receptacle, Add	18.65	
			For Ripley Long-Life Twist Lock Photocontrol, Add	33.38	
			For >50 To 100, Deduct	-51.38	
			For >100 To 250, Deduct	-77.07	
			For >250 To 500, Deduct	-120.46	
			For >500 To 1000, Deduct	-163.84	
			For >1000, Deduct	-207.23	
26 56 19 00-0142	EA		Up To 11,720 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-30H-MV-NW-X-GY-1AMP).....	580.00	150.93
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.22	
			For ANSI 7-wire Photocontrol Receptacle, Add	18.65	
			For Ripley Long-Life Twist Lock Photocontrol, Add	33.38	
			For >50 To 100, Deduct	-29.00	
			For >100 To 250, Deduct	-43.50	
			For >250 To 500, Deduct	-64.95	
			For >500 To 1000, Deduct	-86.41	
			For >1000, Deduct	-107.86	
26 56 19 00-0143	EA		Up To 15,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-40H-MV-NW-X-GY-1AMP).....	622.18	152.44
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.22	
			For ANSI 7-wire Photocontrol Receptacle, Add	18.65	
			For Ripley Long-Life Twist Lock Photocontrol, Add	33.38	
			For >50 To 100, Deduct	-31.11	
			For >100 To 250, Deduct	-46.66	
			For >250 To 500, Deduct	-70.15	
			For >500 To 1000, Deduct	-93.64	
			For >1000, Deduct	-117.12	
26 56 19 00-0144	EA		Up To 4,180 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ0-15H-MV-NW-X-GY-XXX-WL).....	457.51	138.01
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.22	
			For ANSI 7-wire Photocontrol Receptacle, Add	18.65	
			For Ripley Long-Life Twist Lock Photocontrol, Add	33.38	
			For >50 To 100, Deduct	-22.88	
			For >100 To 250, Deduct	-34.31	
			For >250 To 500, Deduct	-50.29	
			For >500 To 1000, Deduct	-66.26	
			For >1000, Deduct	-82.24	
26 56 19 00-0145	EA		Up To 5,510 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ1-20H-MV-NW-X-GY-XXX-WL).....	465.15	139.21
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.22	
			For ANSI 7-wire Photocontrol Receptacle, Add	18.65	
			For Ripley Long-Life Twist Lock Photocontrol, Add	33.38	
			For >50 To 100, Deduct	-23.26	
			For >100 To 250, Deduct	-34.89	
			For >250 To 500, Deduct	-51.18	
			For >500 To 1000, Deduct	-67.48	
			For >1000, Deduct	-83.78	
26 56 19 00-0146	EA		Up To 7,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ2-20H-MV-NW-X-GY-1AMP-WL).....	500.59	141.92
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.22	
			For ANSI 7-wire Photocontrol Receptacle, Add	18.65	
			For Ripley Long-Life Twist Lock Photocontrol, Add	33.38	
			For >50 To 100, Deduct	-25.03	
			For >100 To 250, Deduct	-37.54	
			For >250 To 500, Deduct	-55.48	
			For >500 To 1000, Deduct	-73.41	
			For >1000, Deduct	-91.35	
26 56 19 00-0147	EA		Up To 16,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-60G-MV-NW-X-GY-XXX-WL).....	736.28	153.34
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.22	
			For ANSI 7-wire Photocontrol Receptacle, Add	18.65	
			For Ripley Long-Life Twist Lock Photocontrol, Add	33.38	
			For >50 To 100, Deduct	-36.81	
			For >100 To 250, Deduct	-55.22	
			For >250 To 500, Deduct	-84.37	
			For >500 To 1000, Deduct	-113.52	
			For >1000, Deduct	-142.66	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0148	EA	Up To 22,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-80G-MV-NW-X-GY-XXX-WL).....	939.16	158.15
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	6.22	
		For ANSI 7-wire Photocontrol Receptacle, Add	18.65	
		For Ripley Long-Life Twist Lock Photocontrol, Add	33.38	
		For >50 To 100, Deduct	-46.96	
		For >100 To 250, Deduct	-70.44	
		For >250 To 500, Deduct	-109.49	
		For >500 To 1000, Deduct	-148.54	
		For >1000, Deduct	-187.59	
26 56 19 00-0149	EA	Up To 22,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL2-60G-MV-NW-X-GY-1AMP-WL).....	846.35	158.76
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	6.22	
		For ANSI 7-wire Photocontrol Receptacle, Add	18.65	
		For Ripley Long-Life Twist Lock Photocontrol, Add	33.38	
		For >50 To 100, Deduct	-42.32	
		For >100 To 250, Deduct	-63.48	
		For >250 To 500, Deduct	-97.86	
		For >500 To 1000, Deduct	-132.24	
		For >1000, Deduct	-166.62	
26 56 19 00-0150	EA	Up To 5,484 Lumens, Horizontal Tenon Mount, LED Security Light (Leotek® SafeGuard™ SG1-01-MV-NW-5-GY).....	442.45	138.31
		For Twist Lock Shorting Cap, Add	6.22	
		For ANSI 7-wire Photocontrol Receptacle, Add	18.65	
		For Ripley Long-Life Twist Lock Photocontrol, Add	33.38	
		For >50 To 100, Deduct	-22.12	
		For >100 To 250, Deduct	-33.18	
		For >250 To 500, Deduct	-48.39	
		For >500 To 1000, Deduct	-63.60	
		For >1000, Deduct	-78.80	
26 56 19 00-0151		LED, Area Fixtures (26 56 19)		
26 56 19 00-0152		Pole Mount, LED Area Fixtures (26 56 19 00-0151)		
26 56 19 00-0153		Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX) (26 56 19 00-0152)		
		Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0154	EA	20 LEDs, 49 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	2,085.44	102.22
		For >50 To 100, Deduct	-104.27	
		For >100 To 250, Deduct	-156.41	
		For >250 To 500, Deduct	-255.57	
		For >500 To 1000, Deduct	-354.73	
		For >1000, Deduct	-453.89	
26 56 19 00-0155	EA	40 LEDs, 89 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	2,247.94	108.24
		For >50 To 100, Deduct	-112.40	
		For >100 To 250, Deduct	-168.60	
		For >250 To 500, Deduct	-275.58	
		For >500 To 1000, Deduct	-382.57	
		For >1000, Deduct	-489.55	
26 56 19 00-0156	EA	80 LEDs, 188 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	2,422.46	120.27
		For >50 To 100, Deduct	-121.12	
		For >100 To 250, Deduct	-181.68	
		For >250 To 500, Deduct	-296.79	
		For >500 To 1000, Deduct	-411.90	
		For >1000, Deduct	-527.01	
26 56 19 00-0157	EA	100 LEDs, 218 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	2,434.49	126.28
		For >50 To 100, Deduct	-121.72	
		For >100 To 250, Deduct	-182.59	
		For >250 To 500, Deduct	-298.00	
		For >500 To 1000, Deduct	-413.41	
		For >1000, Deduct	-528.82	
26 56 19 00-0158		Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG) (26 56 19 00-0157)		
		Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type III Medium optic. Excludes sensors. All fixtures without the backlight control shield are DLC qualified		
26 56 19 00-0159	EA	40 LEDs, 47 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	999.43	108.24
		For Backlight Shielding, Add	17.91	
		For Type II Medium Optic, Add	32.32	
		For 480 Volt, Add	68.64	
		For Multi-Level Drive Currents, Add	179.10	
		For >50 To 100, Deduct	-49.97	
		For >100 To 250, Deduct	-74.96	
		For >250 To 500, Deduct	-119.52	
		For >500 To 1000, Deduct	-164.08	
		For >1000, Deduct	-208.64	



Electrical			26
Lighting			26 50
Exterior Lighting			26 56

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0160	EA		60 LEDs, 68 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....1,199.50		114.25
			For Backlight Shielding, Add	17.91	
			For Type II Medium Optic, Add	32.93	
			For 480 Volt, Add	68.64	
			For Multi-Level Drive Currents, Add	179.10	
			For >50 To 100, Deduct	-59.98	
			For >100 To 250, Deduct	-89.96	
			For >250 To 500, Deduct	-144.23	
			For >500 To 1000, Deduct	-198.49	
			For >1000, Deduct	-252.75	
26 56 19 00-0161	EA		80 LEDs, 90 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....1,475.07		120.27
			For Backlight Shielding, Add	17.91	
			For Type II Medium Optic, Add	33.53	
			For 480 Volt, Add	68.64	
			For Multi-Level Drive Currents, Add	179.10	
			For >50 To 100, Deduct	-73.75	
			For >100 To 250, Deduct	-110.63	
			For >250 To 500, Deduct	-178.37	
			For >500 To 1000, Deduct	-246.11	
			For >1000, Deduct	-313.85	
26 56 19 00-0162	EA		100 LEDs, 111 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....1,675.16		126.28
			For Backlight Shielding, Add	17.91	
			For Type II Medium Optic, Add	34.13	
			For 480 Volt, Add	68.64	
			For Multi-Level Drive Currents, Add	179.10	
			For >50 To 100, Deduct	-83.76	
			For >100 To 250, Deduct	-125.64	
			For >250 To 500, Deduct	-203.08	
			For >500 To 1000, Deduct	-280.53	
			For >1000, Deduct	-357.97	
26 56 19 00-0163	EA		120 LEDs, 132 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....1,875.25		132.29
			For Backlight Shielding, Add	17.91	
			For Type II Medium Optic, Add	34.73	
			For 480 Volt, Add	68.64	
			For Multi-Level Drive Currents, Add	179.10	
			For >50 To 100, Deduct	-93.76	
			For >100 To 250, Deduct	-140.64	
			For >250 To 500, Deduct	-227.79	
			For >500 To 1000, Deduct	-314.94	
			For >1000, Deduct	-402.09	
26 56 19 00-0164	EA		140 LEDs, 157 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....2,135.47		138.31
			For Backlight Shielding, Add	17.91	
			For Type II Medium Optic, Add	35.33	
			For 480 Volt, Add	68.64	
			For Multi-Level Drive Currents, Add	179.10	
			For >50 To 100, Deduct	-106.77	
			For >100 To 250, Deduct	-160.16	
			For >250 To 500, Deduct	-260.02	
			For >500 To 1000, Deduct	-359.88	
			For >1000, Deduct	-459.73	
26 56 19 00-0165	EA		160 LEDs, 179 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....2,335.56		144.32
			For Backlight Shielding, Add	17.91	
			For Type II Medium Optic, Add	35.93	
			For 480 Volt, Add	68.64	
			For Multi-Level Drive Currents, Add	179.10	
			For >50 To 100, Deduct	-116.78	
			For >100 To 250, Deduct	-175.17	
			For >250 To 500, Deduct	-284.73	
			For >500 To 1000, Deduct	-394.29	
			For >1000, Deduct	-503.85	
26 56 19 00-0166			Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO) (26 56 19 00-0152)		
			Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0167	EA		120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO) .....1,736.40		132.29
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
			For Bird Spikes, Add	37.00	
			For 5,000K Color Temperature, Add	37.72	
			For Fuse, Add	45.26	
			For 0 To 10 Volt Dimming, Add	45.26	
			For 480 Volt, Add	67.90	
			For Multi-Level, Add	98.07	
			For 1,000mA Driver, Add	126.76	
			For >50 To 100, Deduct	-86.82	
			For >100 To 250, Deduct	-130.23	
			For >250 To 500, Deduct	-210.44	
			For >500 To 1000, Deduct	-290.64	
			For >1000, Deduct	-370.85	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0168	EA	240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO).....	2,905.54	162.37
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
		For 5,000K Color Temperature, Add	37.72	
		For Fuse, Add	45.26	
		For 0 To 10 Volt Dimming, Add	45.26	
		For Bird Spikes, Add	54.27	
		For Multi-Level, Add	98.07	
		For 1,000mA Driver, Add	126.74	
		For 480 Volt, Add	135.79	
		For >50 To 100, Deduct	-145.28	
		For >100 To 250, Deduct	-217.92	
		For >250 To 500, Deduct	-365.07	
		For >500 To 1000, Deduct	-492.23	
		For >1000, Deduct	-629.39	
26 56 19 00-0169		Wall Mount, LED Area Fixtures (26 56 19 00-0151)		
26 56 19 00-0170		Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW) (26 56 19 00-0169)		
		Note: UL wet listed. Includes 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0171	EA	20 LEDs, 47 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED).....	928.26	102.22
		For >50 To 100, Deduct	-46.41	
		For >100 To 250, Deduct	-69.62	
		For >250 To 500, Deduct	-110.92	
		For >500 To 1000, Deduct	-152.22	
		For >1000, Deduct	-193.52	
26 56 19 00-0172	EA	30 LEDs, 71 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED).....	952.30	114.25
		For >50 To 100, Deduct	-47.62	
		For >100 To 250, Deduct	-71.42	
		For >250 To 500, Deduct	-113.33	
		For >500 To 1000, Deduct	-155.23	
		For >1000, Deduct	-197.13	
26 56 19 00-0173		Surface Mount, LED Parking Structure Fixtures (26 56 19 00-0151)		
26 56 19 00-0174		Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG) (26 56 19 00-0173)		
		Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0175	EA	40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	886.85	108.24
		For Multi-Level Drive Currents, Add	179.10	
		For >50 To 100, Deduct	-44.34	
		For >100 To 250, Deduct	-66.51	
		For >250 To 500, Deduct	-105.44	
		For >500 To 1000, Deduct	-144.37	
		For >1000, Deduct	-183.30	
26 56 19 00-0176	EA	60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,086.92	114.25
		For Multi-Level Drive Currents, Add	179.10	
		For >50 To 100, Deduct	-54.35	
		For >100 To 250, Deduct	-81.52	
		For >250 To 500, Deduct	-130.15	
		For >500 To 1000, Deduct	-178.79	
		For >1000, Deduct	-227.42	
26 56 19 00-0177	EA	80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,287.01	120.27
		For Multi-Level Drive Currents, Add	179.10	
		For >50 To 100, Deduct	-64.35	
		For >100 To 250, Deduct	-96.53	
		For >250 To 500, Deduct	-154.86	
		For >500 To 1000, Deduct	-213.20	
		For >1000, Deduct	-271.54	
26 56 19 00-0178	EA	100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,487.10	126.28
		For Multi-Level Drive Currents, Add	179.10	
		For >50 To 100, Deduct	-74.36	
		For >100 To 250, Deduct	-111.53	
		For >250 To 500, Deduct	-179.57	
		For >500 To 1000, Deduct	-247.61	
		For >1000, Deduct	-315.66	
26 56 19 00-0179		Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304) (26 56 19 00-0173)		
		Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		



		Electrical	26
		Lighting	26 50
		Exterior Lighting	26 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0180	EA		40 LEDs, 47 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	856.15	108.24
			For Multi-Level Drive Currents, Add	179.10	
			For >50 To 100, Deduct	-42.81	
			For >100 To 250, Deduct	-64.21	
			For >250 To 500, Deduct	-101.61	
			For >500 To 1000, Deduct	-139.00	
			For >1000, Deduct	-176.40	
26 56 19 00-0181	EA		60 LEDs, 68 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	943.64	114.25
			For Multi-Level Drive Currents, Add	179.10	
			For >50 To 100, Deduct	-47.18	
			For >100 To 250, Deduct	-70.77	
			For >250 To 500, Deduct	-112.24	
			For >500 To 1000, Deduct	-153.71	
			For >1000, Deduct	-195.18	
26 56 19 00-0182			Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG) (26 56 19 00-0173)		
			Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0183	EA		3,700 Lumens, 50 Watt, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL).....	699.71	108.24
			For >50 To 100, Deduct	-34.99	
			For >100 To 250, Deduct	-52.48	
			For >250 To 500, Deduct	-82.05	
			For >500 To 1000, Deduct	-111.62	
			For >1000, Deduct	-141.20	
26 56 19 00-0184			Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG) (26 56 19 00-0173)		
			Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.		
26 56 19 00-0185	EA		70 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	1,335.61	114.25
			For >50 To 100, Deduct	-66.78	
			For >100 To 250, Deduct	-100.17	
			For >250 To 500, Deduct	-161.24	
			For >500 To 1000, Deduct	-222.31	
			For >1000, Deduct	-283.37	
26 56 19 00-0186	EA		110 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	1,359.67	126.28
			For >50 To 100, Deduct	-67.98	
			For >100 To 250, Deduct	-101.98	
			For >250 To 500, Deduct	-163.64	
			For >500 To 1000, Deduct	-225.31	
			For >1000, Deduct	-286.98	
26 56 19 00-0187			Surface Mount, LED Canopy Fixtures (26 56 19 00-0151)		
26 56 19 00-0188			Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG) (26 56 19 00-0187)		
			Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0189	EA		40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,022.46	108.24
			For Multi-Level Drive Currents, Add	179.10	
			For >50 To 100, Deduct	-51.12	
			For >100 To 250, Deduct	-76.68	
			For >250 To 500, Deduct	-122.40	
			For >500 To 1000, Deduct	-168.11	
			For >1000, Deduct	-213.82	
26 56 19 00-0190	EA		60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,222.53	114.25
			For Multi-Level Drive Currents, Add	179.10	
			For >50 To 100, Deduct	-61.13	
			For >100 To 250, Deduct	-91.69	
			For >250 To 500, Deduct	-147.10	
			For >500 To 1000, Deduct	-202.52	
			For >1000, Deduct	-257.93	
26 56 19 00-0191	EA		80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,422.62	120.27
			For Multi-Level Drive Currents, Add	179.10	
			For >50 To 100, Deduct	-71.13	
			For >100 To 250, Deduct	-106.70	
			For >250 To 500, Deduct	-171.81	
			For >500 To 1000, Deduct	-236.93	
			For >1000, Deduct	-302.05	
26 56 19 00-0192	EA		100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,622.71	126.28
			For Multi-Level Drive Currents, Add	179.10	
			For >50 To 100, Deduct	-81.14	
			For >100 To 250, Deduct	-121.70	
			For >250 To 500, Deduct	-196.52	
			For >500 To 1000, Deduct	-271.35	
			For >1000, Deduct	-346.17	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0193	EA	120 LEDs, 132 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,822.80	132.29
		For Multi-Level Drive Currents, Add	179.10	
		For >50 To 100, Deduct	-91.14	
		For >100 To 250, Deduct	-136.71	
		For >250 To 500, Deduct	-221.24	
		For >500 To 1000, Deduct	-305.76	
		For >1000, Deduct	-390.29	
26 56 19 00-0194	EA	140 LEDs, 157 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,098.37	138.31
		For Multi-Level Drive Currents, Add	179.10	
		For >50 To 100, Deduct	-104.92	
		For >100 To 250, Deduct	-157.38	
		For >250 To 500, Deduct	-255.38	
		For >500 To 1000, Deduct	-363.38	
		For >1000, Deduct	-451.39	
26 56 19 00-0195	EA	160 LEDs, 179 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,298.46	144.32
		For Multi-Level Drive Currents, Add	179.10	
		For >50 To 100, Deduct	-114.92	
		For >100 To 250, Deduct	-172.38	
		For >250 To 500, Deduct	-280.09	
		For >500 To 1000, Deduct	-387.80	
		For >1000, Deduct	-495.50	
26 56 19 00-0196	EA	200 LEDs, 221 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,698.62	156.35
		For Multi-Level Drive Currents, Add	179.10	
		For >50 To 100, Deduct	-134.93	
		For >100 To 250, Deduct	-202.40	
		For >250 To 500, Deduct	-329.51	
		For >500 To 1000, Deduct	-456.62	
		For >1000, Deduct	-583.74	
26 56 19 00-0197	EA	240 LEDs, 264 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	3,086.77	162.37
		For Multi-Level Drive Currents, Add	179.10	
		For >50 To 100, Deduct	-154.34	
		For >100 To 250, Deduct	-231.51	
		For >250 To 500, Deduct	-377.73	
		For >500 To 1000, Deduct	-523.95	
		For >1000, Deduct	-670.17	
26 56 19 00-0198		Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250) (26 56 19 00-0187)		
		Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0199	EA	8,000 Lumens, 82 Watt, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250).....	722.83	120.27
		For >50 To 100, Deduct	-36.14	
		For >100 To 250, Deduct	-54.21	
		For >250 To 500, Deduct	-84.34	
		For >500 To 1000, Deduct	-114.47	
		For >1000, Deduct	-144.60	
26 56 19 00-0200		Recessed Mount, LED Soffit Fixtures (26 56 19 00-0151)		
26 56 19 00-0201		Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304) (26 56 19 00-0200)		
		Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0202	EA	40 LEDs, 47 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304).....	871.50	108.24
		For >50 To 100, Deduct	-43.58	
		For >100 To 250, Deduct	-65.36	
		For >250 To 500, Deduct	-103.53	
		For >500 To 1000, Deduct	-141.69	
		For >1000, Deduct	-179.85	
26 56 19 00-0203	EA	60 LEDs, 68 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304).....	958.99	114.25
		For >50 To 100, Deduct	-47.95	
		For >100 To 250, Deduct	-71.92	
		For >250 To 500, Deduct	-114.16	
		For >500 To 1000, Deduct	-156.40	
		For >1000, Deduct	-198.64	
26 56 19 00-0204		Surface Mount, LED Area Fixtures (26 56 19 00-0151)		
26 56 19 00-0205		Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG) (26 56 19 00-0204)		
		Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.		
26 56 19 00-0206	EA	50 LEDs, 59 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	597.86	108.24
		For >50 To 100, Deduct	-29.89	
		For >100 To 250, Deduct	-44.84	
		For >250 To 500, Deduct	-69.32	
		For >500 To 1000, Deduct	-93.80	
		For >1000, Deduct	-118.28	



Electrical			26
Lighting			26 50
Exterior Lighting			26 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0207	EA	50 LEDs, 59 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	986.71	108.24	
		For >50 To 100, Deduct	-49.34		
		For >100 To 250, Deduct	-74.00		
		For >250 To 500, Deduct	-117.93		
		For >500 To 1000, Deduct	-161.85		
		For >1000, Deduct	-205.77		
26 56 19 00-0208	EA	68 LEDs, 79 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	836.52	120.27	
		For >50 To 100, Deduct	-41.83		
		For >100 To 250, Deduct	-62.74		
		For >250 To 500, Deduct	-98.55		
		For >500 To 1000, Deduct	-134.36		
		For >1000, Deduct	-170.18		
26 56 19 00-0209	EA	68 LEDs, 79 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,020.43	120.27	
		For >50 To 100, Deduct	-51.02		
		For >100 To 250, Deduct	-76.53		
		For >250 To 500, Deduct	-121.54		
		For >500 To 1000, Deduct	-166.55		
		For >1000, Deduct	-211.56		
26 56 19 00-0210		Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®) (26 56 19 00-0204)			
		Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.			
26 56 19 00-0211	EA	13 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A)	192.64	38.40	
		For Knuckle Mount Or Trunnion Mount Base, Add	45.00		
		For >50 To 100, Deduct	-9.63		
		For >100 To 250, Deduct	-14.45		
		For >250 To 500, Deduct	-22.48		
		For >500 To 1000, Deduct	-30.51		
		For >1000, Deduct	-38.54		
26 56 19 00-0212	EA	20 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A)	219.92	38.40	
		For Knuckle Mount Or Trunnion Mount Base, Add	45.00		
		For >50 To 100, Deduct	-11.00		
		For >100 To 250, Deduct	-16.49		
		For >250 To 500, Deduct	-25.89		
		For >500 To 1000, Deduct	-35.29		
		For >1000, Deduct	-44.68		
26 56 19 00-0213	EA	30 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A)	271.90	38.40	
		For Knuckle Mount Or Trunnion Mount Base, Add	45.00		
		For >50 To 100, Deduct	-13.60		
		For >100 To 250, Deduct	-20.39		
		For >250 To 500, Deduct	-32.39		
		For >500 To 1000, Deduct	-44.38		
		For >1000, Deduct	-56.38		
26 56 19 00-0214		Surface Mount, LED Facade Fixtures (26 56 19 00-0151)			
26 56 19 00-0215		Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) (26 56 19 00-0214)			
26 56 19 00-0216	EA	12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	502.26	44.82	
		For >50 To 100, Deduct	-25.11		
		For >100 To 250, Deduct	-37.67		
		For >250 To 500, Deduct	-61.08		
		For >500 To 1000, Deduct	-84.49		
		For >1000, Deduct	-107.89		
26 56 19 00-0217	EA	24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	805.56	40.93	
		For >50 To 100, Deduct	-40.28		
		For >100 To 250, Deduct	-60.42		
		For >250 To 500, Deduct	-99.23		
		For >500 To 1000, Deduct	-138.05		
		For >1000, Deduct	-176.87		
26 56 19 00-0218	EA	36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,022.46	34.11	
		For >50 To 100, Deduct	-51.12		
		For >100 To 250, Deduct	-76.68		
		For >250 To 500, Deduct	-126.59		
		For >500 To 1000, Deduct	-176.49		
		For >1000, Deduct	-226.40		
26 56 19 00-0219	EA	48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,239.33	27.28	
		For >50 To 100, Deduct	-61.97		
		For >100 To 250, Deduct	-92.95		
		For >250 To 500, Deduct	-153.94		
		For >500 To 1000, Deduct	-214.93		
		For >1000, Deduct	-275.93		
26 56 19 00-0220		Post Top, LED Area Fixtures (26 56 19 00-0151)			
26 56 19 00-0221		Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA) (26 56 19 00-0220)			
		Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.			

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0222	EA		1,800 Lumens, 27 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1).....	1,444.67	165.36
			For >50 To 100, Deduct	-72.23	
			For >100 To 250, Deduct	-108.35	
			For >250 To 500, Deduct	-172.32	
			For >500 To 1000, Deduct	-236.28	
			For >1000, Deduct	-300.25	
26 56 19 00-0223	EA		3,400 Lumens, 54 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2).....	1,586.80	165.36
			For >50 To 100, Deduct	-79.34	
			For >100 To 250, Deduct	-119.01	
			For >250 To 500, Deduct	-190.08	
			For >500 To 1000, Deduct	-261.15	
			For >1000, Deduct	-332.22	
26 56 19 00-0224	EA		77 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3).....	1,699.15	165.36
			For >50 To 100, Deduct	-84.96	
			For >100 To 250, Deduct	-127.44	
			For >250 To 500, Deduct	-204.13	
			For >500 To 1000, Deduct	-280.81	
			For >1000, Deduct	-357.50	
26 56 19 00-0225			Post Top, LED Area Fixtures (General Electric EPAS) (26 56 19 00-0220) Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0226	EA		3,200 Lumens, 45 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 E5/E3).....	1,690.06	165.36
			For >50 To 100, Deduct	-84.50	
			For >100 To 250, Deduct	-126.75	
			For >250 To 500, Deduct	-202.99	
			For >500 To 1000, Deduct	-279.22	
			For >1000, Deduct	-355.46	
26 56 19 00-0227	EA		6,515 Lumens, 80 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 C5/C3).....	1,726.62	165.36
			For >50 To 100, Deduct	-86.33	
			For >100 To 250, Deduct	-129.50	
			For >250 To 500, Deduct	-207.56	
			For >500 To 1000, Deduct	-285.62	
			For >1000, Deduct	-363.68	
26 56 19 00-0228			Post Top, LED Area Fixtures (General Electric EPTC) (26 56 19 00-0220) Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, gray or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0229	EA		3,200 Lumens, 45 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 E5/E3).....	1,195.04	165.36
			For >50 To 100, Deduct	-59.75	
			For >100 To 250, Deduct	-89.63	
			For >250 To 500, Deduct	-141.11	
			For >500 To 1000, Deduct	-192.60	
			For >1000, Deduct	-244.08	
26 56 19 00-0230	EA		6,150 Lumens, 80 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 C5/C3).....	1,249.76	165.36
			For >50 To 100, Deduct	-62.49	
			For >100 To 250, Deduct	-93.73	
			For >250 To 500, Deduct	-147.95	
			For >500 To 1000, Deduct	-202.17	
			For >1000, Deduct	-256.39	
26 56 19 00-0231			Post Top, LED Area Fixtures (General Electric EPST) (26 56 19 00-0220) Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0232	EA		3,135 Lumens, 45 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 E5/E3).....	946.32	165.36
			For >50 To 100, Deduct	-47.32	
			For >100 To 250, Deduct	-70.97	
			For >250 To 500, Deduct	-110.02	
			For >500 To 1000, Deduct	-149.07	
			For >1000, Deduct	-188.12	
26 56 19 00-0233	EA		13,800 Lumens, 80 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 C5/C3).....	1,001.04	165.36
			For >50 To 100, Deduct	-50.05	
			For >100 To 250, Deduct	-75.08	
			For >250 To 500, Deduct	-116.86	
			For >500 To 1000, Deduct	-158.65	
			For >1000, Deduct	-200.43	
26 56 19 00-0234			Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) (26 56 19 00-0220) Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type V Medium optic. Excludes sensors.		
26 56 19 00-0235	EA		130 Watt, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR).....	2,280.42	165.36
			For >50 To 100, Deduct	-114.02	
			For >100 To 250, Deduct	-171.03	
			For >250 To 500, Deduct	-276.78	
			For >500 To 1000, Deduct	-382.54	
			For >1000, Deduct	-488.29	



Electrical		26
Lighting		26 50
Exterior Lighting		26 56

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0236 LED Retrofit For Post Top, Traditional Area Fixtures (CREE® BetaLED® BXRA) (26 56 19 00-0220) Note: Includes 2,700K or 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0378 for disposal of hazardous lamps.		
26 56 19 00-0237 EA LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53).....	647.77	90.20
For 0 To 10 Volt Dimming, Add	45.26	
For >50 To 100, Deduct	-32.39	
For >100 To 250, Deduct	-48.58	
For >250 To 500, Deduct	-76.46	
For >500 To 1000, Deduct	-104.34	
For >1000, Deduct	-132.22	
26 56 19 00-0238 LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) (26 56 19 00-0220) Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0378 for disposal of hazardous lamps.		
26 56 19 00-0239 EA LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT)	400.16	19.24
For Backlight Control Shield, Add	30.78	
For >50 To 100, Deduct	-20.01	
For >100 To 250, Deduct	-30.01	
For >250 To 500, Deduct	-48.10	
For >500 To 1000, Deduct	-66.18	
For >1000, Deduct	-84.26	
26 56 19 00-0240 Surface Mount, LED Strip Fixtures (Sylvania) (26 56 19 00-0151)		
26 56 19 00-0241 EA 4' Long, 5,200 Lumens, 40 Watt, Vapor Tight Dimmable LED Fixture (Sylvania VAPOR1B/040UNVD840/48EC/GR/D).....	348.96	35.66
For >50 To 100, Deduct	-17.45	
For >100 To 250, Deduct	-26.17	
For >250 To 500, Deduct	-42.28	
For >500 To 1000, Deduct	-58.39	
For >1000, Deduct	-74.50	
26 56 21 HID Exterior Lighting (26 56)		
26 56 21 00-0001 High Mast Fixtures (26 56 21)		
26 56 21 00-0002 Metal Halide, High Mast Fixtures (26 56 21 00-0001)		
26 56 21 00-0003 EA 400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,573.06	148.78
26 56 21 00-0004 EA 400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,680.42	148.78
26 56 21 00-0005 EA 750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,668.01	169.97
26 56 21 00-0006 EA 750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,732.43	169.97
26 56 21 00-0007 EA 1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,756.87	212.46
26 56 21 00-0008 EA 1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,821.29	212.46
26 56 21 00-0009 High Pressure Sodium, High Mast Fixtures (26 56 21 00-0001)		
26 56 21 00-0010 EA 400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux	1,627.32	148.78
26 56 21 00-0011 EA 400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,691.74	148.78
26 56 21 00-0012 EA 600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	1,959.77	157.28
26 56 21 00-0013 EA 750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,008.98	169.97
26 56 21 00-0014 EA 1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,130.05	212.46
26 56 21 00-0015 HID, Pole Mounted (26 56 21)		
26 56 21 00-0016 Metal Halide, Pole Mounted (26 56 21 00-0015)		
26 56 21 00-0017 EA 175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	574.76	242.60
26 56 21 00-0018 EA 250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	645.41	263.33
26 56 21 00-0019 EA 400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	747.14	283.27
26 56 21 00-0020 EA 1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	957.13	332.00
26 56 21 00-0021 High Pressure Sodium, Pole Mounted (26 56 21 00-0015)		
26 56 21 00-0022 EA 100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	688.92	283.27
26 56 21 00-0023 EA 150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	709.25	283.27
26 56 21 00-0024 EA 175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	741.97	283.27
26 56 21 00-0025 EA 250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	827.14	283.27
26 56 21 00-0026 EA 400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	956.08	283.27
26 56 21 00-0027 EA 1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture.....	919.80	283.27
26 56 21 00-0028 Low Pressure Sodium, Pole Mounted (26 56 21 00-0015)		
26 56 21 00-0029 EA 135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed	573.40	154.11
26 56 21 00-0030 EA 135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	638.93	226.62
26 56 21 00-0031 EA 180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	736.23	226.62



MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0032		Metal Halide, Area Fixtures (26 56 21)		
26 56 21 00-0033		Metal Halide, Pole Mount, Area Fixtures (26 56 21 00-0032)		
		Note: Includes pulse start ballast.		
26 56 21 00-0034	EA	150 Watt, Metal Halide Area Fixture, Pole Mount	816.27	150.50
26 56 21 00-0035	EA	175 Watt, Metal Halide Area Fixture, Pole Mount	895.98	165.55
26 56 21 00-0036	EA	250 Watt, Metal Halide Area Fixture, Pole Mount	989.67	180.60
26 56 21 00-0037	EA	400 Watt, Metal Halide Area Fixture, Pole Mount	1,056.17	210.70
26 56 21 00-0038		High Pressure Sodium, Area Fixtures (26 56 21)		
26 56 21 00-0039		Pole Mount, High Pressure Sodium Area Fixtures (26 56 21 00-0038)		
26 56 21 00-0040	EA	100 Watt, High Pressure Sodium Area Fixture, Pole Mount	675.92	120.40
26 56 21 00-0041	EA	150 Watt, High Pressure Sodium Area Fixture, Pole Mount	744.99	150.50
26 56 21 00-0042	EA	250 Watt, High Pressure Sodium Area Fixture, Pole Mount	816.44	180.60
26 56 21 00-0043	EA	400 Watt, High Pressure Sodium Area Fixture, Pole Mount	870.52	210.70
26 56 21 00-0044		Surface Mounted, Rectangular Exterior Area Fixture (26 56 21)		
26 56 21 00-0045		Metal Halide, Surface Mounted, Rectangular Exterior Area Fixture (26 56 21 00-0044)		
26 56 21 00-0046	EA	175 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	543.13	226.62
26 56 21 00-0047	EA	250 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	616.05	254.95
26 56 21 00-0048	EA	400 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	731.04	283.27
26 56 21 00-0049	EA	1,000 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	942.16	332.00
26 56 21 00-0050		High Pressure Sodium, Surface Mounted, Rectangular Exterior Area Fixture (26 56 21 00-0044)		
26 56 21 00-0051	EA	70 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	516.88	193.76
26 56 21 00-0052	EA	100 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	560.26	206.23
26 56 21 00-0053	EA	150 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	603.29	217.55
26 56 21 00-0054	EA	175 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	623.93	226.62
26 56 21 00-0055	EA	250 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	691.42	254.95
26 56 21 00-0056	EA	400 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	746.33	283.27
26 56 21 00-0057	EA	1,000 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,026.53	332.00
26 56 21 00-0058		Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 21)		
26 56 21 00-0059		High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 21 00-0058)		
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0060	EA	35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	666.13	152.96
26 56 21 00-0061	EA	50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	691.87	169.97
26 56 21 00-0062	EA	70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	740.43	193.76
26 56 21 00-0063	EA	100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	761.07	206.23
26 56 21 00-0064	EA	150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	783.09	217.55
26 56 21 00-0065	EA	175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	820.57	226.62
26 56 21 00-0066	EA	250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	899.35	254.95
26 56 21 00-0067	EA	400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,090.99	283.27
26 56 21 00-0068		Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 21 00-0058)		
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0069	EA	50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	732.34	169.97
26 56 21 00-0070	EA	70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	775.02	193.76
26 56 21 00-0071	EA	100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	800.83	206.23
26 56 21 00-0072	EA	150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	835.56	217.55
26 56 21 00-0073	EA	175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	855.42	226.62
26 56 21 00-0074	EA	250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	936.18	254.95
26 56 21 00-0075	EA	400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,187.79	283.27
26 56 21 00-0076		Wall Packs (26 56 21)		
26 56 21 00-0077		Non Cutoff, Polycarbonate Lens, Mini Wall Packs (26 56 21 00-0076)		
		Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.		
26 56 21 00-0078	EA	13 Watt Compact Fluorescent, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	276.92	53.33
26 56 21 00-0079	EA	50 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	294.10	53.33
26 56 21 00-0080	EA	35 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	294.10	53.33
26 56 21 00-0081	EA	70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	377.38	53.33



Electrical		26
Lighting		26 50
Exterior Lighting		26 56

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0082 Semi Cutoff, Polycarbonate Lens, Mini Wall Packs (26 56 21 00-0076) Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.		
26 56 21 00-0083 EA 42 Watt Compact Fluorescent, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	511.81	53.33
26 56 21 00-0084 EA 50 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	517.99	53.33
26 56 21 00-0085 EA 70 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	523.34	53.33
26 56 21 00-0086 EA 100 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	513.59	53.33
26 56 21 00-0087 EA 70 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	473.51	53.33
26 56 21 00-0088 EA 100 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	451.50	53.33
26 56 21 00-0089 Cutoff, Polycarbonate Lens, Mini Wall Packs (26 56 21 00-0076) Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.		
26 56 21 00-0090 EA 50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	537.17	53.33
26 56 21 00-0091 EA 70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	542.80	53.33
26 56 21 00-0092 EA 100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	533.07	53.33
26 56 21 00-0093 EA 70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	540.91	53.33
26 56 21 00-0094 EA 100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	540.91	53.33
26 56 21 00-0095 Non Cutoff, Borosilicate Glass Lens, Small Wall Packs (26 56 21 00-0076) Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.		
26 56 21 00-0096 EA 70 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	525.75	71.04
26 56 21 00-0097 EA 100 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	525.75	71.04
26 56 21 00-0098 EA 175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	495.59	71.04
26 56 21 00-0099 EA 70 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	507.15	71.04
26 56 21 00-0100 EA 100 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	507.15	71.04
26 56 21 00-0101 EA 150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	473.70	71.04
26 56 21 00-0102 Cutoff, Borosilicate Glass Lens, Small Wall Packs (26 56 21 00-0076) Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.		
26 56 21 00-0103 EA 70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	543.62	71.04
26 56 21 00-0104 EA 100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	543.62	71.04
26 56 21 00-0105 EA 175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	543.62	71.04
26 56 21 00-0106 EA 70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	525.88	71.04
26 56 21 00-0107 EA 100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	525.88	71.04
26 56 21 00-0108 EA 150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	525.88	71.04
26 56 21 00-0109 Full Cutoff, Tempered Glass Lens, Small Wall Packs (26 56 21 00-0076) Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.		
26 56 21 00-0110 EA 175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack	688.00	71.04
26 56 21 00-0111 Cutoff, Borosilicate Glass Lens, Medium Wall Packs (26 56 21 00-0076) Note: Aluminum body and reflector. Lithonia TWR2.		
26 56 21 00-0112 EA 250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	662.07	87.99
Note: 9-1/4" x 17-7/8" x 9-3/8".		
26 56 21 00-0113 EA 400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	702.96	87.99
Note: 9-1/4" x 17-7/8" x 12-1/2".		
26 56 21 00-0114 EA 250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	751.72	87.99
Note: 9-1/4" x 17-7/8" x 9-3/8".		
26 56 21 00-0115 EA 400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	765.14	87.99
Note: 9-1/4" x 17-7/8" x 12-1/2".		
26 56 21 00-0116 Cutoff, Tempered Glass Lens, Medium Wall Packs (26 56 21 00-0076) Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.		
26 56 21 00-0117 EA 250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	714.67	87.99
26 56 21 00-0118 EA 400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	760.61	87.99
26 56 21 00-0119 Non Cutoff, Polycarbonate Lens, Large Wall Packs (26 56 21 00-0076) Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.		
26 56 21 00-0120 EA 100 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack	676.83	106.66
26 56 21 00-0121 EA 175 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack	628.17	106.66
26 56 21 00-0122 EA 70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	665.57	106.66
26 56 21 00-0123 EA 100 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	669.30	106.66
26 56 21 00-0124 EA 150 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	673.20	106.66
26 56 21 00-0125 Non Cutoff, Borosilicate Glass Lens, Large Wall Packs (26 56 21 00-0076) Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.		
26 56 21 00-0126 EA 175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	676.85	106.66
26 56 21 00-0127 EA 250 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	693.09	106.66
26 56 21 00-0128 EA 400 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	741.75	106.66
26 56 21 00-0129 EA 150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	709.31	106.66
26 56 21 00-0130 EA 250 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	725.55	106.66
26 56 21 00-0131 EA 400 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	757.96	106.66

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 21 00-0132	Semi Cutoff, Induction Wall Packs (26 56 21 00-0076)			
26 56 21 00-0133	Semi Cutoff, Induction Wall Packs (Everlast®) (26 56 21 00-0132)			
	Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.			
26 56 21 00-0134	EA	70 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70)	826.62	102.22
26 56 21 00-0135	EA	80 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80)	845.58	108.24
26 56 21 00-0136	EA	100 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100)	864.52	114.25
26 56 21 00-0137	EA	120 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120)	959.74	120.27
26 56 21 00-0138	Non Cutoff, Polycarbonate Lens, Small Wall Packs (26 56 21 00-0076)			
26 56 21 00-0139	EA	15 Watt, Exterior, Non-Cutoff Small Wall Pack (Sylvania 60066-SMWLPK1N/015UNV740/NC/BZ/P)	284.61	53.33
26 56 21 00-0140	Induction, Roadway Lighting (26 56 21)			
26 56 21 00-0141	Induction Roadway Lighting (US Lighting Tech) (26 56 21 00-0140)			
	Note: Includes gray powder coat finish heavy duty die cast aluminum body and flat glass lens.			
26 56 21 00-0142	EA	40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	598.16	180.40
26 56 21 00-0143	EA	70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	656.73	186.41
26 56 21 00-0144	EA	100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	680.78	198.44
26 56 21 00-0145	EA	150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	704.84	210.47
26 56 21 00-0146	EA	200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	823.91	216.49
26 56 21 00-0147	EA	250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	839.66	222.50
26 56 21 00-0148	EA	40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	559.07	180.40
26 56 21 00-0149	EA	70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	623.22	186.41
26 56 21 00-0150	EA	100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	647.27	198.44
26 56 21 00-0151	EA	150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	671.33	210.47
26 56 21 00-0152	Induction, Area Fixtures (26 56 21)			
26 56 21 00-0153	Post Top, Induction Area Fixtures (26 56 21 00-0152)			
26 56 21 00-0154	Post Top, Induction Area Fixtures (US Lighting Tech) (26 56 21 00-0153)			
	Note: Includes black powder coat finish heavy duty die cast aluminum body and no-lite lid acrylic lens.			
26 56 21 00-0155	EA	40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	666.77	165.36
26 56 21 00-0156	EA	70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	720.76	165.36
26 56 21 00-0157	EA	100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	720.76	165.36
26 56 21 00-0158	EA	150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	720.76	165.36
26 56 21 00-0159	Surface Mount, Induction Parking Structure Fixtures (26 56 21 00-0152)			
26 56 21 00-0160	Surface Mount, Induction Parking Structure Fixtures (Everlast®) (26 56 21 00-0159)			
26 56 21 00-0161	EA	40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	598.47	150.34
26 56 21 00-0162	EA	55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	636.13	153.34
26 56 21 00-0163	EA	70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	645.86	156.35
26 56 21 00-0164	EA	80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	655.60	159.36
26 56 21 00-0165	EA	100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	665.34	162.37
26 56 21 00-0166	EA	120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	678.80	165.36
26 56 21 00-0167	EA	70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	699.85	156.35
26 56 21 00-0168	EA	80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	709.59	159.36
26 56 21 00-0169	EA	100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	719.33	162.37
26 56 21 00-0170	EA	120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	748.62	165.36
26 56 21 00-0171	Pole Mount, Induction Area Fixtures (26 56 21 00-0152)			
26 56 21 00-0172	Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED) (26 56 21 00-0171)			
	Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.			
26 56 21 00-0173	EA	70 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70)	861.28	102.22
26 56 21 00-0174	EA	80 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80)	887.17	108.24
26 56 21 00-0175	EA	100 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100)	913.04	114.25

END OF SECTION 26



Communications		27
Common Work Results for Communications		27 05
Grounding and Bonding for Communications Systems		27 05 26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 Communications

Note: Termination costs are included with all communication equipment, panel boards, and devices. Terminations are not included with patch panels.

27 05 Common Work Results for Communications ⁽²⁷⁾

27 05 26 Grounding and Bonding for Communications Systems ^(27 05)

27 05 26 00-0001	EA	25 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 720-00)	731.72	109.21
Note: Excludes terminations.				
27 05 26 00-0002	EA	50 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 820-00)	944.69	145.65
Note: Excludes terminations.				
27 05 26 00-0003	EA	100 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 630-00)	1,485.12	218.42
Note: Excludes terminations.				
27 05 26 00-0004	EA	Lucent 3B1-EW, Gas Tube Protector Unit	8.86	1.61
27 05 26 00-0005	EA	44 Terminal Copper Ground Bus Bar (Siemens ECGK)	68.26	28.86
27 05 26 00-0006	EA	2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar	143.97	28.86
27 05 26 00-0007	EA	4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar	259.67	28.86
27 05 26 00-0008	EA	#6 AWG, Cable Runway Ground Strap	51.25	5.34
27 05 26 00-0009	EA	1/4" Screw Size, #6 AWG Compression Lug	19.70	5.34
27 05 26 00-0010	EA	3/8" Screw Size, #6 AWG Compression Lug	20.81	5.34
27 05 26 00-0011	EA	Two Mounting Hole, Ground Terminal Block	22.87	5.34

27 05 29 Hangers and Supports for Communications Systems ^(27 05)

See CSI section 26 05 29 00-0000 for hangers and supports.

27 05 29 00-0001 Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29)

27 05 29 00-0002 Screw On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29 00-0001)

Note: Includes screw.

27 05 29 00-0003	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12)	7.58	2.67
For >50 To 100, Deduct			-0.32	
For >100 To 250, Deduct			-0.65	
For >250 To 500, Deduct			-1.24	
For >500, Deduct			-1.83	
For Installation On Concrete (Includes Drilling And Fastener), Add			1.44	
For Work In Restricted Working Space, Add			1.60	
For Painted Powder Coated Finish, Add			0.46	
27 05 29 00-0004	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21)	7.93	2.67
For >50 To 100, Deduct			-0.33	
For >100 To 250, Deduct			-0.66	
For >250 To 500, Deduct			-1.26	
For >500, Deduct			-1.86	
For Installation On Concrete (Includes Drilling And Fastener), Add			1.44	
For Work In Restricted Working Space, Add			1.60	
For Painted Powder Coated Finish, Add			1.60	
For Low Friction Xylan® Coated Finish, Add			5.69	
27 05 29 00-0005	EA	2" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32)	8.47	2.67
For >50 To 100, Deduct			-0.35	
For >100 To 250, Deduct			-0.69	
For >250 To 500, Deduct			-1.30	
For >500, Deduct			-1.92	
For Installation On Concrete (Includes Drilling And Fastener), Add			1.44	
For Work In Restricted Working Space, Add			1.60	
For Painted Powder Coated Finish, Add			1.96	
For Low Friction Xylan® Coated Finish, Add			7.07	
27 05 29 00-0006	EA	4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64)	13.12	2.67
For >50 To 100, Deduct			-0.46	
For >100 To 250, Deduct			-0.92	
For >250 To 500, Deduct			-1.65	
For >500, Deduct			-2.38	
For Installation On Concrete (Includes Drilling And Fastener), Add			1.44	
For Work In Restricted Working Space, Add			1.60	
For Painted Powder Coated Finish, Add			1.05	
For Low Friction Xylan® Coated Finish, Add			6.27	

27 05 29 00-0007 Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29 00-0001)

Note: Includes screw.

27 05 29 00-0008	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-RB)	8.40	2.67
For >50 To 100, Deduct			-0.34	
For >100 To 250, Deduct			-0.69	
For >250 To 500, Deduct			-1.30	
For >500, Deduct			-1.91	
For Installation On Concrete (Includes Drilling And Fastener), Add			1.44	
For Work In Restricted Working Space, Add			1.60	

27 Communications**27 05 Common Work Results for Communications****27 05 29 Hangers and Supports for Communications Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0009	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-RB)	10.49	2.67
		For >50 To 100, Deduct	-0.40	
		For >100 To 250, Deduct	-0.79	
		For >250 To 500, Deduct	-1.45	
		For >500, Deduct	-2.12	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.44	
		For Work In Restricted Working Space, Add	1.60	
27 05 29 00-0010	EA	2" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-RB)	11.51	2.67
		For >50 To 100, Deduct	-0.42	
		For >100 To 250, Deduct	-0.84	
		For >250 To 500, Deduct	-1.53	
		For >500, Deduct	-2.22	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.44	
		For Work In Restricted Working Space, Add	1.60	
27 05 29 00-0011	EA	4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-RB)	15.16	2.67
		For >50 To 100, Deduct	-0.51	
		For >100 To 250, Deduct	-1.03	
		For >250 To 500, Deduct	-1.80	
		For >500, Deduct	-2.58	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.44	
		For Work In Restricted Working Space, Add	1.60	
27 05 29 00-0012		Strut Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001) Note: Excludes strut.		
27 05 29 00-0013	EA	3/4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-SC4)	8.79	2.67
		For >50 To 100, Deduct	-0.35	
		For >100 To 250, Deduct	-0.71	
		For >250 To 500, Deduct	-1.33	
		For >500, Deduct	-1.95	
		For Work In Restricted Working Space, Add	1.60	
27 05 29 00-0014	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-SC4)	10.19	2.67
		For >50 To 100, Deduct	-0.39	
		For >100 To 250, Deduct	-0.78	
		For >250 To 500, Deduct	-1.43	
		For >500, Deduct	-2.09	
		For Work In Restricted Working Space, Add	1.60	
27 05 29 00-0015	EA	2" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-SC4)	10.91	2.67
		For >50 To 100, Deduct	-0.41	
		For >100 To 250, Deduct	-0.81	
		For >250 To 500, Deduct	-1.49	
		For >500, Deduct	-2.16	
		For Work In Restricted Working Space, Add	1.60	
27 05 29 00-0016	EA	4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-SC4)	14.36	2.67
		For >50 To 100, Deduct	-0.49	
		For >100 To 250, Deduct	-0.99	
		For >250 To 500, Deduct	-1.74	
		For >500, Deduct	-2.50	
		For Work In Restricted Working Space, Add	1.60	
27 05 29 00-0017		T-Bar Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001) Note: Excludes T-Bar.		
27 05 29 00-0018	EA	3/4" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-A28)	10.32	2.67
		For >50 To 100, Deduct	-0.39	
		For >100 To 250, Deduct	-0.78	
		For >250 To 500, Deduct	-1.44	
		For >500, Deduct	-2.10	
		For Work In Restricted Working Space, Add	1.60	
27 05 29 00-0019	EA	1-5/16" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-A28)	12.68	2.67
		For >50 To 100, Deduct	-0.45	
		For >100 To 250, Deduct	-0.90	
		For >250 To 500, Deduct	-1.62	
		For >500, Deduct	-2.34	
		For Work In Restricted Working Space, Add	1.60	
27 05 29 00-0020	EA	2" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-A28)	13.30	2.67
		For >50 To 100, Deduct	-0.47	
		For >100 To 250, Deduct	-0.93	
		For >250 To 500, Deduct	-1.67	
		For >500, Deduct	-2.40	
		For Work In Restricted Working Space, Add	1.60	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0021			Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001) Note: Excludes threaded rod. See CSI section 26 05 29 00-0376 for threaded rod.		
27 05 29 00-0022	EA		3/4" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-W6)	8.60	2.67
			For >50 To 100, Deduct	-0.35	
			For >100 To 250, Deduct	-0.70	
			For >250 To 500, Deduct	-1.31	
			For >500, Deduct	-1.93	
			For Work In Restricted Working Space, Add	1.60	
27 05 29 00-0023	EA		1-5/16" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-W6)	8.92	2.67
			For >50 To 100, Deduct	-0.36	
			For >100 To 250, Deduct	-0.71	
			For >250 To 500, Deduct	-1.34	
			For >500, Deduct	-1.96	
			For Work In Restricted Working Space, Add	1.60	
27 05 29 00-0024	EA		2" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-W6)	10.56	2.67
			For >50 To 100, Deduct	-0.40	
			For >100 To 250, Deduct	-0.80	
			For >250 To 500, Deduct	-1.46	
			For >500, Deduct	-2.12	
			For Work In Restricted Working Space, Add	1.60	
27 05 29 00-0025			Threaded Rod Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001) Note: Excludes threaded rod, nuts and washers. See CSI section 26 05 29 00-0376 for threaded rod, nuts and washers.		
27 05 29 00-0026	EA		1-5/16" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-AB)	10.37	2.67
			For >50 To 100, Deduct	-0.39	
			For >100 To 250, Deduct	-0.79	
			For >250 To 500, Deduct	-1.45	
			For >500, Deduct	-2.11	
			For Work In Restricted Working Space, Add	1.60	
27 05 29 00-0027	EA		2" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-AB)	11.14	2.67
			For >50 To 100, Deduct	-0.41	
			For >100 To 250, Deduct	-0.82	
			For >250 To 500, Deduct	-1.50	
			For >500, Deduct	-2.18	
			For Work In Restricted Working Space, Add	1.60	
27 05 29 00-0028	EA		4" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-AB)	14.95	2.67
			For >50 To 100, Deduct	-0.51	
			For >100 To 250, Deduct	-1.01	
			For >250 To 500, Deduct	-1.79	
			For >500, Deduct	-2.56	
			For Work In Restricted Working Space, Add	1.60	
27 05 29 00-0029			Beam Clamp Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001)		
27 05 29 00-0030	EA		3/4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-C442A)	10.27	2.67
			For >50 To 100, Deduct	-0.39	
			For >100 To 250, Deduct	-0.78	
			For >250 To 500, Deduct	-1.44	
			For >500, Deduct	-2.10	
			For Work In Restricted Working Space, Add	1.60	
27 05 29 00-0031	EA		1-5/16" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-C442A)	11.64	2.67
			For >50 To 100, Deduct	-0.42	
			For >100 To 250, Deduct	-0.85	
			For >250 To 500, Deduct	-1.54	
			For >500, Deduct	-2.23	
			For Work In Restricted Working Space, Add	1.60	
27 05 29 00-0032	EA		2" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-C442A)	12.36	2.67
			For >50 To 100, Deduct	-0.44	
			For >100 To 250, Deduct	-0.89	
			For >250 To 500, Deduct	-1.59	
			For >500, Deduct	-2.30	
			For Work In Restricted Working Space, Add	1.60	
27 05 29 00-0033	EA		4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-C442A)	16.33	2.67
			For >50 To 100, Deduct	-0.54	
			For >100 To 250, Deduct	-1.08	
			For >250 To 500, Deduct	-1.89	
			For >500, Deduct	-2.70	
			For Work In Restricted Working Space, Add	1.60	

27 Communications**27 05 Common Work Results for Communications****27 05 29 Hangers and Supports for Communications Systems**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 05 29 00-0034 Adjustable Cable Supports (Caddy® CableCat CAT425) (27 05 29)			
27 05 29 00-0035	EA	Wall Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	28.17
		For >50 To 100, Deduct	-0.97
		For >100 To 250, Deduct	-1.94
		For >250 To 500, Deduct	-3.45
		For >500, Deduct	-4.95
		For Installation On Concrete (Includes Drilling And Fastener), Add	2.77
		For Work In Restricted Working Space, Add	3.20
27 05 29 00-0036	EA	Threaded Rod Or Horizontal Surface Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	28.68
		For >50 To 100, Deduct	-0.98
		For >100 To 250, Deduct	-1.97
		For >250 To 500, Deduct	-3.48
		For >500, Deduct	-5.00
		For Work In Restricted Working Space, Add	3.20
27 05 29 00-0037	EA	Up To 1/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	31.34
		For >50 To 100, Deduct	-1.05
		For >100 To 250, Deduct	-2.10
		For >250 To 500, Deduct	-3.68
		For >500, Deduct	-5.27
		For Work In Restricted Working Space, Add	3.20
27 05 29 00-0038	EA	>1/4" To 3/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	28.08
		For >50 To 100, Deduct	-0.97
		For >100 To 250, Deduct	-1.94
		For >250 To 500, Deduct	-3.44
		For >500, Deduct	-4.94
		For Work In Restricted Working Space, Add	3.20
27 05 29 00-0039	EA	Up To 1/2" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	29.32
		For >50 To 100, Deduct	-1.00
		For >100 To 250, Deduct	-2.00
		For >250 To 500, Deduct	-3.53
		For >500, Deduct	-5.07
		For Work In Restricted Working Space, Add	3.20
27 05 29 00-0040	EA	>1/2" To 5/8" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	30.54
		For >50 To 100, Deduct	-1.03
		For >100 To 250, Deduct	-2.06
		For >250 To 500, Deduct	-3.62
		For >500, Deduct	-5.19
		For Work In Restricted Working Space, Add	3.20
27 05 29 00-0041	EA	Up To 1/4" Flange, Hammer On Purlin Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	28.90
		For >50 To 100, Deduct	-0.99
		For >100 To 250, Deduct	-1.98
		For >250 To 500, Deduct	-3.50
		For >500, Deduct	-5.02
		For Work In Restricted Working Space, Add	3.20

27 05 33 Conduits and Backboxes for Communications Systems (27 05)

See CSI section 26 05 33 00-0000 for conduit and boxes.

27 05 36 Cable Trays for Communications Systems (27 05)

See CSI section 26 05 36 00-0000 for cable trays.

27 05 39 Surface Raceways for Communications Systems (27 05)

See CSI section 26 05 33 00-0000 for surface raceways.

27 05 43 Underground Ducts and Raceways for Communications Systems (27 05)

See CSI section 26 05 43 00-0000 for underground ducts and raceways.

27 05 46 Utility Poles for Communications Systems (27 05)

See CSI section 26 05 46 00-0000 for utility poles.

27 05 53 Identification for Communications Systems (27 05)

See CSI section 26 05 53 00-0000 for identification.

27 10 Structured Cabling (27)

Note: Includes testing.

27 11 Communications Equipment Room Fittings (27 10)**27 11 16 Communications Cabinets, Racks, Frames, and Enclosures (27 11)****27 11 16 00-0001 3/4" Fire Retardant Plywood Backboards (27 11 16)**

27 11 16 00-0002	EA	4' x 4' x 3/4" Fire Retardant Plywood Backboard	138.13	27.73
		For Two Coats Of Non-Conductive, Fire Retardant Paint, Add	38.14	
27 11 16 00-0003	EA	4' x 8' x 3/4" Fire Retardant Plywood Backboard	276.26	55.46
		For Two Coats Of Non-Conductive, Fire Retardant Paint, Add	76.28	



Communications		27
Structured Cabling		27 10
Communications Equipment Room Fittings		27 11

27

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0004 Terminal Cabinets (27 11 16)		
27 11 16 00-0005 EA 12" x 12" x 4" Phone Terminal Cabinet With Wood Backboard.....	289.75	79.99
27 11 16 00-0006 EA 18" x 12" x 4" Phone Terminal Cabinet With Wood Backboard.....	361.36	87.99
27 11 16 00-0007 EA 24" x 12" x 4" Phone Terminal Cabinet With Wood Backboard.....	415.84	101.32
27 11 16 00-0008 EA 18" x 18" x 4" Phone Terminal Cabinet With Wood Backboard.....	431.34	103.99
27 11 16 00-0009 EA 24" x 18" x 4" Phone Terminal Cabinet With Wood Backboard.....	520.12	106.66
27 11 16 00-0010 EA 26" x 36" x 4" Phone Terminal Cabinet With Wood Backboard.....	639.60	119.99
27 11 16 00-0011 EA 24" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	652.79	117.32
27 11 16 00-0012 EA 30" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	844.32	167.14
27 11 16 00-0013 EA 36" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	904.98	183.67
27 11 16 00-0014 EA 42" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,083.35	194.02
27 11 16 00-0015 EA 30" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	894.66	159.99
27 11 16 00-0016 EA 36" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	967.68	173.33
27 11 16 00-0017 EA 48" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,208.61	222.18
27 11 16 00-0018 EA 54" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,455.20	277.75
27 11 16 00-0019 EA 48" x 36" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,635.73	274.65
27 11 16 00-0020 EA 60" x 36" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,885.50	334.17
27 11 16 00-0021 Equipment Racks And Cable Managers (27 11 16)		
27 11 16 00-0022 Equipment Racks (27 11 16 00-0021)		
Note: Electronics Industries Association EIA-310-D compliant. Includes aluminum construction with clear grained aluminum or black epoxy-polyester hybrid powder coat finish.		
27 11 16 00-0023 Standard Equipment Racks (27 11 16 00-0022)		
27 11 16 00-0024 19" Width, Standard Equipment Racks (27 11 16 00-0023)		
27 11 16 00-0025 EA 84" Height, 19" Width, 3" Depth, 45U, Standard Equipment Rack (Chatsworth 55053-X03).....	518.72	170.66
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	8.87	
27 11 16 00-0026 EA 96" Height, 19" Width, 3" Depth, 51U, Standard Equipment Rack (Chatsworth 55053-X15).....	712.72	181.33
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	17.50	
27 11 16 00-0027 EA 108" Height, 19" Width, 3" Depth, 58U, Standard Equipment Rack (Chatsworth 55053-X08).....	769.40	191.99
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	19.27	
27 11 16 00-0028 Universal Equipment Racks (27 11 16 00-0022)		
27 11 16 00-0029 Universal Equipment Racks (27 11 16 00-0028)		
27 11 16 00-0030 19" Width, EIA Universal Equipment Racks (27 11 16 00-0029)		
27 11 16 00-0031 EA 36" Height, 19" Width, 3" Depth, 17U, EIA Universal Equipment Rack (Chatsworth 46353-X31).....	665.50	149.33
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	18.34	
27 11 16 00-0032 EA 48" Height, 19" Width, 3" Depth, 24U, EIA Universal Equipment Rack (Chatsworth 46353-X20).....	725.80	151.99
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	21.09	
27 11 16 00-0033 EA 60" Height, 19" Width, 3" Depth, 31U, EIA Universal Equipment Rack (Chatsworth 46353-X19).....	725.22	154.66
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	20.80	
27 11 16 00-0034 EA 66" Height, 19" Width, 3" Depth, 34U, EIA Universal Equipment Rack (Chatsworth 46353-X00).....	743.69	157.33
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	21.45	
27 11 16 00-0035 EA 72" Height, 19" Width, 3" Depth, 38U, EIA Universal Equipment Rack (Chatsworth 46353-X01).....	761.94	159.99
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	22.10	
27 11 16 00-0036 EA 78" Height, 19" Width, 3" Depth, 41U, EIA Universal Equipment Rack (Chatsworth 46353-X02).....	781.70	162.66
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	22.82	
27 11 16 00-0037 EA 84" Height, 19" Width, 3" Depth, 45U, EIA Universal Equipment Rack (Chatsworth 46353-X03).....	669.45	165.33
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	16.94	
27 11 16 00-0038 EA 90" Height, 19" Width, 3" Depth, 48U, EIA Universal Equipment Rack (Chatsworth 46353-X05).....	820.08	167.99
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	24.21	
27 11 16 00-0039 EA 96" Height, 19" Width, 3" Depth, 51U, EIA Universal Equipment Rack (Chatsworth 46353-X15).....	848.69	170.66
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	25.37	
27 11 16 00-0040 EA 102" Height, 19" Width, 3" Depth, 55U, EIA Universal Equipment Rack (Chatsworth 46353-X17).....	873.71	173.33
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	26.35	
27 11 16 00-0041 EA 108" Height, 19" Width, 3" Depth, 58U, EIA Universal Equipment Rack (Chatsworth 46353-X08).....	880.04	175.99
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	26.40	
27 11 16 00-0042 23" Width, Universal Equipment Racks (27 11 16 00-0029)		
27 11 16 00-0043 EA 36" Height, 23" Width, 3" Depth, 17U, Universal Equipment Rack (Chatsworth 46383-X31).....	703.15	149.33
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	20.23	
27 11 16 00-0044 EA 48" Height, 23" Width, 3" Depth, 24U, Universal Equipment Rack (Chatsworth 46383-X20).....	727.20	151.99
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	21.16	
27 11 16 00-0045 EA 60" Height, 23" Width, 3" Depth, 31U, Universal Equipment Rack (Chatsworth 46383-X19).....	748.41	154.66
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	21.95	
27 11 16 00-0046 EA 66" Height, 23" Width, 3" Depth, 34U, Universal Equipment Rack (Chatsworth 46383-X00).....	787.77	157.33
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	23.66	
27 11 16 00-0047 EA 72" Height, 23" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46383-X01).....	807.33	159.99
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	24.37	
27 11 16 00-0048 EA 78" Height, 23" Width, 3" Depth, 41U, Universal Equipment Rack (Chatsworth 46383-X02).....	828.59	162.66
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	25.16	
27 11 16 00-0049 EA 84" Height, 23" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46383-X03).....	716.88	165.33
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	19.31	
27 11 16 00-0050 EA 90" Height, 23" Width, 3" Depth, 48U, Universal Equipment Rack (Chatsworth 46383-X05).....	869.85	167.99
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	26.69	

27 Communications**27 10 Structured Cabling****27 11 Communications Equipment Room Fittings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0051 EA 96" Height, 23" Width, 3" Depth, 51U, Universal Equipment Rack (Chatsworth 46383-X15).....	900.81	170.66
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	27.97	
27 11 16 00-0052 EA 102" Height, 23" Width, 3" Depth, 55U, Universal Equipment Rack (Chatsworth 46383-X17).....	927.89	173.33
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	29.06	
27 11 16 00-0053 EA 108" Height, 23" Width, 3" Depth, 58U, Universal Equipment Rack (Chatsworth 46383-X08).....	934.30	175.99
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	29.12	
27 11 16 00-0054 35" Width, Universal Equipment Racks (27 11 16 00-0029)		
27 11 16 00-0055 EA 72" Height, 35" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46363-X01).....	871.14	159.99
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	27.56	
27 11 16 00-0056 EA 84" Height, 35" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46363-X03).....	916.98	165.33
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	29.32	
27 11 16 00-0057 UL Listed Universal Equipment Racks (27 11 16 00-0028)		
Note: UL listed as a communications circuit accessory.		
27 11 16 00-0058 19" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)		
27 11 16 00-0059 EA 36" Height, 19" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48353-X31).....	702.20	149.33
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	20.18	
27 11 16 00-0060 EA 48" Height, 19" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48353-X20).....	757.91	151.99
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	22.70	
27 11 16 00-0061 EA 60" Height, 19" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48353-X19).....	769.57	154.66
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	23.01	
27 11 16 00-0062 EA 66" Height, 19" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48353-X00).....	786.62	157.33
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	23.60	
27 11 16 00-0063 EA 72" Height, 19" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48353-X01).....	806.13	159.99
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	24.31	
27 11 16 00-0064 EA 78" Height, 19" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48353-X02).....	827.33	162.66
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	25.10	
27 11 16 00-0065 EA 84" Height, 19" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48353-X03).....	847.69	165.33
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	25.85	
27 11 16 00-0066 EA 90" Height, 19" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48353-X05).....	868.51	167.99
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	26.63	
27 11 16 00-0067 EA 96" Height, 19" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48353-X15).....	899.45	170.66
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	27.91	
27 11 16 00-0068 EA 102" Height, 19" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48353-X17).....	926.46	173.33
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	28.99	
27 11 16 00-0069 EA 108" Height, 19" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48353-X08).....	932.80	175.99
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	29.04	
27 11 16 00-0070 23" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)		
27 11 16 00-0071 EA 36" Height, 23" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48383-X31).....	743.64	149.33
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	22.25	
27 11 16 00-0072 EA 48" Height, 23" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48383-X20).....	814.11	151.99
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	25.51	
27 11 16 00-0073 EA 60" Height, 23" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48383-X19).....	824.59	154.66
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	25.76	
27 11 16 00-0074 EA 66" Height, 23" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48383-X00).....	835.08	157.33
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	26.02	
27 11 16 00-0075 EA 72" Height, 23" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48383-X01).....	856.06	159.99
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	26.80	
27 11 16 00-0076 EA 78" Height, 23" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48383-X02).....	878.92	162.66
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	27.68	
27 11 16 00-0077 EA 84" Height, 23" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48383-X03).....	900.81	165.33
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	28.51	
27 11 16 00-0078 EA 90" Height, 23" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48383-X05).....	923.21	167.99
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	29.36	
27 11 16 00-0079 EA 96" Height, 23" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48383-X15).....	956.75	170.66
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	30.77	
27 11 16 00-0080 EA 102" Height, 23" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48383-X17).....	986.02	173.33
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	31.97	
27 11 16 00-0081 EA 108" Height, 23" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48383-X08).....	992.62	175.99
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	32.03	
27 11 16 00-0082 4-Post Equipment Racks And Server Frames (27 11 16 00-0022)		
27 11 16 00-0083 4-Post Equipment Racks (27 11 16 00-0082)		
27 11 16 00-0084 EA 19" Width, 29" Depth, 84" Height, 4-Post Equipment Rack (Chatsworth 50120-X03).....	1,414.92	266.65
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	44.08	
27 11 16 00-0085 EA 19" Width, 29" Depth, 96" Height, 4-Post Equipment Rack (Chatsworth 50120-X15).....	1,543.25	277.32
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	49.43	
27 11 16 00-0086 EA 19" Width, 29" Depth, 108" Height, 4-Post Equipment Rack (Chatsworth 50120-X08).....	1,664.38	287.98
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	54.42	
27 11 16 00-0087 4-Post Server Frame (27 11 16 00-0082)		
27 11 16 00-0088 EA 19" Width, 29" Depth, 84" Height, Server Frame (Chatsworth 15053-X03).....	1,453.70	266.65
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	46.02	



Communications		27
Structured Cabling		27 10
Communications Equipment Room Fittings		27 11

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0089 Cable Managers (27 11 16 00-0021)		
27 11 16 00-0090 Horizontal Cable Managers (27 11 16 00-0089)		
27 11 16 00-0091 Single-Sided, Horizontal Cable Managers (27 11 16 00-0090)		
27 11 16 00-0092 EA 1U Height, 19" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-719).....	81.33	10.67
27 11 16 00-0093 EA 1U Height, 23" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-723).....	90.43	10.67
27 11 16 00-0094 EA 1U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-701).....	68.10	10.67
27 11 16 00-0095 EA 2U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-719).....	82.70	10.67
27 11 16 00-0096 EA 2U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-723).....	96.79	10.67
27 11 16 00-0097 EA 2U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-702).....	75.29	10.67
27 11 16 00-0098 EA 3U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-719).....	111.08	10.67
27 11 16 00-0099 EA 3U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-723).....	126.29	10.67
27 11 16 00-0100 EA 3U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-703).....	89.68	10.67
27 11 16 00-0101 Double-Sided, Horizontal Cable Managers (27 11 16 00-0090)		
27 11 16 00-0102 EA 1U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-719).....	100.73	10.67
27 11 16 00-0103 EA 1U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-723).....	112.72	10.67
27 11 16 00-0104 EA 2U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-719).....	105.92	10.67
27 11 16 00-0105 EA 2U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-723).....	123.10	10.67
27 11 16 00-0106 EA 3U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-719).....	136.72	10.67
27 11 16 00-0107 EA 3U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-723).....	152.96	10.67
27 11 16 00-0108 Vertical Cable Managers (27 11 16 00-0089)		
27 11 16 00-0109 Single-Sided, Vertical Cable Managers (27 11 16 00-0108)		
27 11 16 00-0110 EA 3.6" Width, 9.7" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-701).....	181.29	16.00
27 11 16 00-0111 EA 6" Width, 9.8" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-701).....	255.03	16.00
27 11 16 00-0112 EA 10" Width, 10.3" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-701).....	409.72	16.00
27 11 16 00-0113 EA 12" Width, 10.4" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-701).....	463.68	16.00
27 11 16 00-0114 EA 3.6" Width, 9.7" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-703).....	193.88	16.00
27 11 16 00-0115 EA 6" Width, 9.8" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-703).....	274.82	16.00
27 11 16 00-0116 EA 10" Width, 10.3" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-703).....	445.69	16.00
27 11 16 00-0117 EA 12" Width, 10.4" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-703).....	499.65	16.00
27 11 16 00-0118 EA 3.6" Width, 9.7" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-715).....	219.06	16.00
27 11 16 00-0119 EA 6" Width, 9.8" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-715).....	301.80	16.00
27 11 16 00-0120 EA 10" Width, 10.3" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-715).....	499.65	16.00
27 11 16 00-0121 EA 12" Width, 10.4" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-715).....	553.61	16.00
27 11 16 00-0122 Double-Sided, Vertical Cable Managers (27 11 16 00-0108)		
27 11 16 00-0123 EA 3.6" Width, 16.4" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-701).....	262.23	16.00
27 11 16 00-0124 EA 6" Width, 16.6" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-701).....	308.99	16.00
27 11 16 00-0125 EA 10" Width, 17.5" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-701).....	499.65	16.00
27 11 16 00-0126 EA 12" Width, 17.8" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-701).....	589.59	16.00
27 11 16 00-0127 EA 3.6" Width, 16.4" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-703).....	283.81	16.00
27 11 16 00-0128 EA 6" Width, 16.6" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-703).....	330.58	16.00
27 11 16 00-0129 EA 10" Width, 17.5" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-703).....	535.63	16.00
27 11 16 00-0130 EA 12" Width, 17.8" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-703).....	625.56	16.00
27 11 16 00-0131 EA 3.6" Width, 16.4" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-715).....	312.59	16.00
27 11 16 00-0132 EA 6" Width, 16.6" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-715).....	359.36	16.00
27 11 16 00-0133 EA 10" Width, 17.5" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-715).....	589.59	16.00
27 11 16 00-0134 EA 12" Width, 17.8" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-715).....	679.52	16.00
27 11 16 00-0135 Accessories For Vertical Cable Managers (27 11 16 00-0108)		
27 11 16 00-0136 EA Cable Ring Kit For 3.6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-716).....	111.26	10.67
27 11 16 00-0137 EA Cable Ring Kit For 3.6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-717).....	118.46	10.67
27 11 16 00-0138 EA Cable Ring Kit For 3.6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-718).....	125.65	10.67
27 11 16 00-0139 EA Cable Ring Kit For 6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-726).....	114.86	10.67
27 11 16 00-0140 EA Cable Ring Kit For 6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-727).....	125.65	10.67
27 11 16 00-0141 EA Cable Ring Kit For 6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-728).....	136.44	10.67
27 11 16 00-0142 EA Cable Ring Kit For 10" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-746).....	129.25	10.67
27 11 16 00-0143 EA Cable Ring Kit For 10" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-747).....	140.04	10.67
27 11 16 00-0144 EA Cable Ring Kit For 10" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-748).....	150.83	10.67
27 11 16 00-0145 EA Cable Ring Kit For 12" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-756).....	136.44	10.67
27 11 16 00-0146 EA Cable Ring Kit For 12" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-757).....	150.83	10.67
27 11 16 00-0147 EA Cable Ring Kit For 12" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-758).....	161.63	10.67
27 11 16 00-0148 EA Cable Lashing Bar Kit For Vertical Cable Managers (Chatsworth 13928-001).....	93.28	10.67
27 11 16 00-0149 EA Cable Spool Kit For Vertical Cable Managers (Chatsworth 13935-701).....	107.67	10.67
27 11 16 00-0150 EA Cable Distribution Spools For Vertical Cable Managers (Chatsworth 15008-001).....	112.52	10.67
27 11 16 00-0151 EA Cable Distribution Spool Spacer Kit For Vertical Cable Managers (Chatsworth 35505-001).....	71.69	10.67
27 11 19 Communications Termination Blocks and Patch Panels (27 11)		
Note: The terminating, testing, and labeling of the cables in question should be done according to the task description as well as the current contract specifications. See CSI section 26 05 53 00-0020 for labeling.		
27 11 19 00-0001 Computer Network Components (27 11 19)		

27 Communications**27 10 Structured Cabling****27 11 Communications Equipment Room Fittings**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
27 11 19 00-0002	Ethernet Patch Panels (27 11 19 00-0001)				
27 11 19 00-0003	EA 12 Port, Category 5E Patch Panel	222.06		53.33	
27 11 19 00-0004	EA 24 Port, Category 5E Patch Panel	320.52		53.33	
27 11 19 00-0005	EA 32 Port, Category 5E Patch Panel	413.68		53.33	
27 11 19 00-0006	EA 48 Port, Category 5E Patch Panel	500.50		53.33	
27 11 19 00-0007	EA 64 Port, Category 5E Patch Panel	624.80		66.67	
27 11 19 00-0008	EA 96 Port, Category 5E Patch Panel	918.02		79.99	
27 11 19 00-0009	EA 12 Port, Category 6 Patch Panel.....	269.71		53.33	
27 11 19 00-0010	EA 24 Port, Category 6 Patch Panel.....	326.87		53.33	
27 11 19 00-0011	EA 48 Port, Category 6 Patch Panel.....	547.08		53.33	
27 11 19 00-0012	EA 96 Port, Category 6 Patch Panel.....	1,006.95		79.99	
27 11 19 00-0013	EA 16" x 12" x 8" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161208LP).....	534.47		79.99	
27 11 19 00-0014	EA 16" x 16" x 6" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161606LP).....	565.39		79.99	
27 11 19 00-0015	EA 12 Port, Category 6 Modular to 110 Mini Patch Panel (Ortronics-LeGrand OR-PMP61289).....	231.57		53.33	
27 11 19 00-0016	EA Terminate One End Of A 4 Pair Cable To Category "X" Specifications	37.79			
	For >5 To 10 Cables, Deduct	-6.80			
	For >10 Cables, Deduct	-15.12			
27 11 19 00-0017	EA Terminate One End Of A Twisted Pair Of Wires	10.39			
	Note: Per each pair				
	For >20 To 40 Pairs, Deduct	-1.66			
	For >40 Pairs, Deduct	-3.95			
27 11 19 00-0018	Fiber Optic Cable Patch Panels And Enclosures (27 11 19 00-0001)				
27 11 19 00-0019	Fiber Optic Cable Connector Housings (27 11 19 00-0018)				
27 11 19 00-0020	Wall Mount, Fiber Optic Cable Connector Housings (27 11 19 00-0019)				
	Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.				
27 11 19 00-0021	EA 1-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	118.75		24.00	
27 11 19 00-0022	EA 2-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	173.81		24.00	
27 11 19 00-0023	EA 4-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	255.28		24.00	
27 11 19 00-0024	EA 6-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	377.99		40.00	
27 11 19 00-0025	EA 12-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	523.03		40.00	
27 11 19 00-0026	Rack Mount, Fiber Optic Cable Connector Housings (27 11 19 00-0019)				
	Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.				
27 11 19 00-0027	EA 2-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	392.85		40.00	
27 11 19 00-0028	EA 4-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	448.15		40.00	
27 11 19 00-0029	EA 6-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	481.98		40.00	
27 11 19 00-0030	EA 12-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	563.71		40.00	
27 11 19 00-0031	Rack Mount, Fiber Optic Cable Pretium® Connector Housings (27 11 19 00-0019)				
	Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.				
27 11 19 00-0032	EA 2-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	487.63		40.00	
	For Splice Tray Bracket, Add	51.16			
27 11 19 00-0033	EA 4-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	569.89		40.00	
	For Splice Tray Bracket, Add	55.94			
27 11 19 00-0034	EA 12-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	708.52		40.00	
	For Splice Tray Bracket, Add	203.81			
27 11 19 00-0035	Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housings (27 11 19 00-0019)				
	Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.				
27 11 19 00-0036	EA 8 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	616.65		40.00	
27 11 19 00-0037	EA 12 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	786.25		40.00	
27 11 19 00-0038	EA 24 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	889.06		40.00	
27 11 19 00-0039	EA 48 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,151.27		40.00	
27 11 19 00-0040	Wall Mount, Fiber Optic Cable Industrial Connector Housings (27 11 19 00-0019)				
	Note: Includes powder-coat finish, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.				
27 11 19 00-0041	EA 2-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	548.29		24.00	
27 11 19 00-0042	EA 6-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	759.78		40.00	
27 11 19 00-0043	EA 12-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	796.91		40.00	
27 11 19 00-0044	Wall Mount, Fiber Optic Cable Environmental Connector Housings (27 11 19 00-0019)				
	Note: Includes NEMA 4X enclosure, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.				
27 11 19 00-0045	EA 2-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	573.96		24.00	
27 11 19 00-0046	EA 6-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	759.33		40.00	
27 11 19 00-0047	EA 12-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	890.71		40.00	



Communications			27
Structured Cabling			27 10
Communications Equipment Room Fittings			27 11

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0048 Fiber Optic Cable Connector Panels (27 11 19 00-0018)		
27 11 19 00-0049 SC Simplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)		
27 11 19 00-0050 EA 6-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	75.87	5.33
27 11 19 00-0051 EA 6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	82.25	5.33
27 11 19 00-0052 EA 8-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	92.14	5.33
27 11 19 00-0053 EA 8-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	100.63	5.33
27 11 19 00-0054 EA 12-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	124.70	5.33
27 11 19 00-0055 EA 12-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	137.41	5.33
27 11 19 00-0056 SC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)		
27 11 19 00-0057 EA 6-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel.....	73.05	5.33
27 11 19 00-0058 EA 6-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel.....	74.55	5.33
27 11 19 00-0059 EA 8-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel.....	88.40	5.33
27 11 19 00-0060 EA 8-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel.....	90.39	5.33
27 11 19 00-0061 EA 12-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel.....	119.09	5.33
27 11 19 00-0062 EA 12-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel.....	122.06	5.33
27 11 19 00-0063 LC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)		
27 11 19 00-0064 EA 6-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	78.80	5.33
27 11 19 00-0065 EA 6-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	86.31	5.33
27 11 19 00-0066 EA 8-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	96.04	5.33
27 11 19 00-0067 EA 8-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	106.07	5.33
27 11 19 00-0068 EA 12-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	130.57	5.33
27 11 19 00-0069 EA 12-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	145.57	5.33
27 11 19 00-0070 EA 16-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	165.08	5.33
27 11 19 00-0071 EA 16-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	185.08	5.33
27 11 19 00-0072 EA 24-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	234.08	5.33
27 11 19 00-0073 EA 24-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	241.05	5.33
27 11 19 00-0074 ST Simplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)		
27 11 19 00-0075 EA 6-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel.....	63.25	5.33
27 11 19 00-0076 EA 6-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	68.07	5.33
27 11 19 00-0077 EA 8-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel.....	75.32	5.33
27 11 19 00-0078 EA 8-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	81.75	5.33
27 11 19 00-0079 EA 12-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel.....	99.44	5.33
27 11 19 00-0080 EA 12-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	109.10	5.33
27 11 19 00-0081 MT-RJ, Fiber Optic Cable Connector Panels (27 11 19 00-0048)		
27 11 19 00-0082 EA 12-Fiber, Multimode, MT-RJ, Fiber Optic Cable Connector Panel.....	78.35	5.33
27 11 19 00-0083 EA 12-Fiber, Singlemode, MT-RJ, Fiber Optic Cable Connector Panel.....	116.70	5.33
27 11 19 00-0084 Fiber Optic Cable Pretium Edge® Modules (27 11 19 00-0048)		
27 11 19 00-0085 EA 12-Fiber, Singlemode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module.....	666.31	5.33
27 11 19 00-0086 EA 12-Fiber, Multimode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module.....	668.62	5.33
27 11 19 00-0087 Fiber Optic Cable Splice Housings (27 11 19 00-0018)		
27 11 19 00-0088 Wall Mount, Fiber Optic Cable Splice Housings (27 11 19 00-0087)		
Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0089 EA 12 Splice Tray Capacity, Wall Mount, Fiber Optic Splice Housing With Locking Door.....	277.46	53.33
27 11 19 00-0090 Rack Mount, Fiber Optic Cable Splice Housings (27 11 19 00-0087)		
Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0091 EA 12 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing.....	407.20	40.00
27 11 19 00-0092 EA 22 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing.....	413.18	40.00
27 11 19 00-0093 Fiber Optic Cable Splice Trays (27 11 19 00-0087)		
27 11 19 00-0094 EA Fiber Optic Cable Splice Tray.....	78.94	13.33
27 11 19 00-0095 Fiber Optic Cable Jumper Management Panels (27 11 19 00-0018)		
Note: Includes mounting hardware.		
27 11 19 00-0096 EA Rack Mount, Fiber Optic Cable Jumper Management Panel.....	156.35	40.00
27 11 19 00-0097 Miscellaneous Accessories (27 11 19 00-0001)		
27 11 19 00-0098 EA Wall Mount Bracket For 12 Or 24 Port Patch Panel.....	57.65	
27 11 19 00-0099 EA Wall Mount Bracket For 32 Or 48 Port Patch Panel.....	76.41	
27 11 19 00-0100 EA Wall Mount Bracket For 64 Or 72 Port Patch Panel.....	83.68	
27 11 19 00-0101 EA Wall Mount Bracket For 96 Port Patch Panel.....	93.37	
27 11 19 00-0102 EA Lightning Protection Plus Stainless Steel Modules, Siemon.....	366.26	53.33

27 Communications**27 10 Structured Cabling****27 11 Communications Equipment Room Fittings**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 11 19 00-0103 Telephone Components (27 11 19)**27 11 19 00-0104 Terminal Blocks With Wide Range Of 22-8 AWG (27 11 19 00-0103)**

27 11 19 00-0105	EA	Terminal Block, Circuit Isolation Switch With Wire Range 22-8 AWG.....	29.12	10.69
27 11 19 00-0106	EA	Terminal Block, Fuse Holder 600 Volt, 6.3 Amperes With Wire Range 22-8 AWG.....	50.42	10.69
27 11 19 00-0107	EA	Terminal Block, Fuse Holder 600 Volt, 10 Amperes With Wire Range 22-8 AWG.....	41.71	10.69
27 11 19 00-0108	EA	Terminal Block, Solderless Box With Lugs And Wire Range 22-8 AWG.....	23.30	10.69
27 11 19 00-0109	EA	Flat Terminal Block Connection With Wire Range 22-8 AWG.....	16.59	7.48
27 11 19 00-0110	EA	Ground Terminal Block With Wire Range 22-8 AWG.....	30.04	10.69
27 11 19 00-0111	EA	Terminal Block, Solderless Box With Lug 600 Volt, 60 Amperes With Wire Range 22-8 AWG.....	23.30	10.69
27 11 19 00-0112	EA	Terminal Block, Mini Box Lug 300 Volt, 30 Amperes With Wire Range 22-8 AWG.....	16.46	7.48
27 11 19 00-0113	EA	Flat Terminal Block Connection 300 Volt, 20 Amperes With Wire Range 22-8 AWG.....	16.36	7.48
27 11 19 00-0114	EA	Self Lifting Terminal Block, 300 Volt, 40 Amperes, Wire Connection With Wire Range 22-12 AWG.....	16.78	7.48

27 11 19 00-0115 Terminal Block Mounting Channel (27 11 19 00-0103)

27 11 19 00-0116	EA	Terminal Block Mounting Channel, .5 M Galvanized Steel.....	15.23	5.34
27 11 19 00-0117	EA	Terminal Block Mounting Channel, 1 M Galvanized Steel.....	18.94	5.34
27 11 19 00-0118	EA	Terminal Block Mounting Channel, 2 M Galvanized Steel.....	25.40	5.34
27 11 19 00-0119	EA	Terminal Block Mounting Channel, .5 M Bi-Chrome Zinc.....	19.12	6.41
27 11 19 00-0120	EA	Terminal Block Mounting Channel, 1 M Bi-Chrome Zinc.....	25.25	6.41
27 11 19 00-0121	EA	Terminal Block Mounting Channel, 2 M Bi-Chrome Zinc.....	35.19	6.41

27 11 19 00-0122 Outlet Termination Hardware (27 11 19 00-0103)

27 11 19 00-0123	EA	Telephone Outlet Blocks.....	26.77	5.34
27 11 19 00-0124	EA	Phone Outlet Block For Floor Box.....	87.73	40.53
		Note: Excludes box.		
27 11 19 00-0125	EA	Fiber Optic "SC" Type Modular Bulkhead.....	71.09	24.00
27 11 19 00-0126	EA	Fiber Optic "ST" Type Modular Bulkhead.....	71.09	24.00
27 11 19 00-0127	EA	Type "F" Coaxial Connector Male.....	42.58	16.00
27 11 19 00-0128	EA	Modular Plate For 3-RJ-45, 4 - "SC" And 1 -"F" Connector.....	102.40	26.67
27 11 19 00-0129	EA	Modular Plate For 3-RJ-45, 4 - "ST" And 1 -"F" Connector.....	102.40	26.67
27 11 19 00-0130	EA	Access Floor Box With 3-RJ-45, 4 - "SC" And 1 -"F" Connector.....	120.68	26.67
27 11 19 00-0131	EA	Access Floor Box With 3-RJ-45, 4 - "ST" And 1 -"F" Connector.....	120.68	26.67
27 11 19 00-0132	EA	Access Floor Box With 2-RJ-45, 4 - "SC" And 1 -25 Pin Connector.....	111.06	26.67
27 11 19 00-0133	EA	Terminal Type - Punch Down Block 110 Type - 300 Pair Category 5.....	913.21	133.32
27 11 19 00-0134	EA	Wiring (Punch Down) Block with Stand-Off Legs, 100 Pair, Category V.....	48.79	10.67
		Note: Excludes cable terminations.		
27 11 19 00-0135	EA	5-Pair, Connecting Block.....	3.04	1.06
27 11 19 00-0136	EA	4-Pair, Connecting Block.....	3.25	1.06
27 11 19 00-0137	EA	Plastic Label Holder, Transparent.....	12.46	2.67
27 11 19 00-0138	EA	Marked Label, White, 5-Pair.....	3.51	
27 11 19 00-0139	EA	Marked Label, Blue, 4-Pair.....	3.51	

27 11 19 00-0140 Terminations in Manhole or Junction Box (27 11 19 00-0103)

27 11 19 00-0141	EA	25 Pair Cable Termination In Manhole Or Junction Box.....	170.66	
27 11 19 00-0142	EA	50 Pair Cable Termination In Manhole Or Junction Box.....	341.32	
27 11 19 00-0143	EA	100 Pair Cable Termination In Manhole Or Junction Box.....	682.62	
27 11 19 00-0144	EA	150 Pair Cable Termination In Manhole Or Junction Box.....	1,023.94	
27 11 19 00-0145	EA	200 Pair Cable Termination In Manhole Or Junction Box.....	1,197.80	
27 11 19 00-0146	EA	300 Pair Cable Termination In Manhole Or Junction Box.....	1,796.17	
27 11 19 00-0147	EA	400 Pair Cable Termination In Manhole Or Junction Box.....	2,259.07	
27 11 19 00-0148	EA	500 Pair Cable Termination In Manhole Or Junction Box.....	2,824.37	
27 11 19 00-0149	EA	750 Pair Cable Termination In Manhole Or Junction Box.....	4,236.53	
27 11 19 00-0150	EA	1,000 Pair Cable Termination In Manhole Or Junction Box.....	5,137.80	
27 11 19 00-0151	EA	1,200 Pair Cable Termination In Manhole Or Junction Box.....	5,855.72	

27 11 23 Communications Cable Management and Ladder Rack (27 11)**27 11 23 00-0001 Equipment Supports (27 11 23)**

27 11 23 00-0002	EA	12" x 5'-11" Tubular Runway.....	92.40	25.59
27 11 23 00-0003	EA	12" x 9'-11" Tubular Runway.....	159.48	42.67
27 11 23 00-0004	EA	Shelf Bracket Support For Tubular Runway.....	29.37	8.00
27 11 23 00-0005	EA	Straight Clamp Hardware For Tubular Runway.....	13.43	5.33
27 11 23 00-0006	EA	Corner Clamp Hardware For Tubular Runway.....	14.12	5.33
27 11 23 00-0007	EA	90 Degree Edge Clamp Hardware For Tubular Runway.....	31.19	9.60
27 11 23 00-0008	EA	Wall Angle Assembly Hardware For 12" Wide Tubular Runway.....	64.41	16.00
27 11 23 00-0009	EA	J-Bolt Hardware For Tubular Runway.....	6.20	2.35
27 11 23 00-0010	EA	T Bracket Hardware For Tubular Runway.....	34.18	13.33
27 11 23 00-0011	EA	110 Jumper Trough (Commscope 107831133).....	30.63	5.33
27 11 23 00-0012	LF	Velcro CMP.....	2.51	1.06

27 13 Communications Backbone Cabling (27 10)**27 13 13 Communications Copper Backbone Cabling (27 13)**



Communications		27
Structured Cabling		27 10
Communications Backbone Cabling		27 13

27

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 13 13 13 Communications Copper Cable Splicing and Terminations (27 13 13)				
27 13 13 13-0001 Building Entrance Terminals (27 13 13 13)				
27 13 13 13-0002	EA	25 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	1,661.71	233.85
27 13 13 13-0003	EA	50 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	2,280.05	389.75
27 13 13 13-0004	EA	100 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	3,290.36	624.09
27 13 13 13-0005 Modular Plugs For Copper Communications Cable (27 13 13 13)				
27 13 13 13-0006	EA	Modular Plug For Non-Shielded Copper Communications Cable.....	25.32	
		Note: Up to 8-position/8-contact non-shielded modular plug for solid or stranded wire. Includes termination.		
		For >5 To 10, Deduct	-3.19	
		For >10, Deduct	-6.38	
27 13 13 13-0007	EA	Modular Plug For Shielded Copper Communications Cable.....	28.83	
		Note: Up to 8-position/8-contact shielded modular plug for solid or stranded wire. Includes termination.		
		For >5 To 10, Deduct	-3.59	
		For >10, Deduct	-7.18	
27 13 13 13-0008 Testing And Certification Of Copper Communications Cable (27 13 13 13)				
		Note: Use for existing systems.		
27 13 13 13-0009	EA	Test 1-Pair Of A Copper Communications Cable For Continuity.....	5.33	
		For >25-Pair, Deduct	-2.13	
27 13 13 13-0010	EA	Certify 1-Pair Of A Copper Communications Cable.....	8.00	
		For >25-Pair, Deduct	-3.19	
27 13 13 13-0011	EA	Certify And Document 1-Pair Of A Copper Communications Cable.....	12.80	
		For >25-Pair, Deduct	-5.11	
27 13 13 13-0012	EA	Test 4-Pair Cat 5-7 Telecommunications Cable For Continuity.....	21.33	
		For >25-Pair, Deduct	-8.51	
27 13 13 13-0013	EA	Certify 4-Pair Cat 5-7 Telecommunications Cable.....	32.00	
		For >25-Pair, Deduct	-12.77	
27 13 13 13-0014	EA	Certify And Document 4-Pair Cat 5-7 Telecommunications Cable.....	51.20	
		For >25-Pair, Deduct	-20.43	
27 13 13 13-0015 Communications Termination Blocks (27 13 13 13)				
27 13 13 13-0016	EA	100-Pair, 110 Block With Legs.....	46.53	13.33
27 13 13 13-0017	EA	300-Pair, 110 Block With Legs.....	75.41	13.33
27 13 13 13-0018	EA	Clear Label Holder For 110 Wiring Block.....	11.23	5.33
27 13 13 13-0019	EA	4-Pair, 110C Connecting Block.....	6.20	2.67
27 13 13 13-0020	EA	5-Pair, 110C Connecting Block.....	6.31	2.67
27 13 13 13-0021	EA	100-Pair, 110 Jack Panel System.....	231.03	16.00
		Note: Includes twelve 8-pin modular jacks and mounting legs.		
27 13 13 13-0022	EA	300-Pair, 110 Jack Panel System.....	537.70	16.00
		Note: Includes twelve 8-pin modular jacks and mounting legs.		
27 13 23 Communications Optical Fiber Backbone Cabling (27 13)				
27 13 23 13 Communications Optical Fiber Splicing and Terminations (27 13 23)				
27 13 23 13-0001 Fiber Optic Cable Connectors (27 13 23 13)				
27 13 23 13-0002	EA	ST Connector For Multimode Fiber Optic Cable.....	29.24	
27 13 23 13-0003	EA	ST Connector For Singlemode Fiber Optic Cable.....	33.18	
27 13 23 13-0004	EA	SC Connector For Multimode Fiber Optic Cable.....	32.16	
27 13 23 13-0005	EA	SC Connector For Singlemode Fiber Optic Cable.....	37.18	
27 13 23 13-0006	EA	LC Connector For Multimode Fiber Optic Cable.....	43.54	
27 13 23 13-0007	EA	LC Connector For Singlemode Fiber Optic Cable.....	44.71	
27 13 23 13-0008	EA	MT-RJ Connector For Multimode Fiber Optic Cable.....	62.84	
27 13 23 13-0009 Fiber Optic Cable Fan Out Kits (27 13 23 13)				
27 13 23 13-0010 Buffer Tube Fan Out Kits For Fiber Optic Cable (27 13 23 13-0009)				
27 13 23 13-0011	EA	6-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	229.16	
27 13 23 13-0012	EA	12-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	232.18	
27 13 23 13-0013	EA	6-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	257.72	
27 13 23 13-0014	EA	12-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	276.87	
27 13 23 13-0015 Spider Fan Out Kits For Fiber Optic Cable (27 13 23 13-0009)				
		Note: For tight buffered or loose tube non-armored cables. Includes aramid yarn strength member, outer protective PVDF jacket and one meter fan out lengths.		
27 13 23 13-0016	EA	6-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	266.41	
27 13 23 13-0017	EA	12-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	286.70	
27 13 23 13-0018	EA	18-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	419.88	
27 13 23 13-0019	EA	24-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	546.83	
27 13 23 13-0020 Fiber Optic Cable Splice Closures (27 13 23 13)				
		Note: Includes mounting hardware. Excludes splicing and splice trays.		
27 13 23 13-0021	EA	Up To 144-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure.....	683.72	106.66

27 Communications**27 10 Structured Cabling****27 13 Communications Backbone Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 13 23 13-0022 EA Up To 144-Fiber Capacity, Underground Fiber Optic Cable Splice Closure .....	.897.03	213.33
27 13 23 13-0023 EA Up To 144-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure .....	.897.03	213.33
27 13 23 13-0024 EA Up To 288-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure	1,109.35	106.66
27 13 23 13-0025 EA Up To 288-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	1,322.66	213.33
27 13 23 13-0026 EA Up To 288-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure	1,322.66	213.33
27 13 23 13-0027 EA Splice Tray For Fiber Optic Cable Splice Closure .....	.50.38	13.33
Note: Up to 12-fiber, mechanical or fusion splice tray. Excludes splice.		
27 13 23 13-0028 Fiber Optic Cable Testing (27 13 23 13)		
Note: Price based on testing one wavelength.		
27 13 23 13-0029 Fiber Optic Cable Testing Using An OTDR (27 13 23 13-0028)		
Note: Testing using an optical time domain reflectometer.		
27 13 23 13-0030 EA Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test	21.33	
For >12 To 48 Strands, Deduct	-1.60	
For >48 Strands, Deduct	-2.13	
27 13 23 13-0031 EA Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test	32.00	
For >12 To 48 Strands, Deduct	-2.40	
For >48 Strands, Deduct	-3.20	
27 13 23 13-0032 EA Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test With Documentation	53.33	
For >12 To 48 Strands, Deduct	-4.00	
For >48 Strands, Deduct	-5.33	
27 13 23 13-0033 EA Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test With Documentation	79.99	
For >12 To 48 Strands, Deduct	-6.00	
For >48 Strands, Deduct	-8.00	
27 13 23 13-0034 Fiber Optic Cable Testing Using A Power Meter (27 13 23 13-0028)		
27 13 23 13-0035 EA Test 1-Strand Of Fiber Optic Cable Using A Single Directional Power Meter Test	21.33	
For >12 To 48 Strands, Deduct	-1.60	
For >48 Strands, Deduct	-2.13	
27 13 23 13-0036 EA Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional Power Meter Test	32.00	
For >12 To 48 Strands, Deduct	-2.40	
For >48 Strands, Deduct	-3.20	
27 13 23 13-0037 Fiber Optic Cable Light Source/Continuity Testing (27 13 23 13-0028)		
27 13 23 13-0038 EA Test 1-Strand Of Fiber Optic Cable Using A Light Source/Continuity Test	21.33	
For >12 To 48 Strands, Deduct	-1.60	
For >48 Strands, Deduct	-2.13	
27 13 23 13-0039 Fiber Optic Cable Splicing (27 13 23 13)		
27 13 23 13-0040 EA Single Strand, Fusion Splice Of Fiber Optic Cable	32.00	
27 13 23 13-0041 EA 12-Strand Ribbon, Fusion Splice Of Fiber Optic Cable	106.66	
27 13 23 13-0042 Other Fiber Optic Cable Splicing (27 13 23 13)		
27 13 23 13-0043 EA Fiber Optic Finger Splice	35.94	20.05
27 13 23 13-0044 EA Fiber Optic Splice Box - Manholes	5,253.45	
27 15 Communications Horizontal Cabling (27 10)		
27 15 01 Communications Horizontal Cabling Applications (27 15)		
27 15 01 13 Video Surveillance Communications Conductors and Cables (27 15 01)		
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.		
27 15 01 15 Access Control Communications Conductors and Cables (27 15 01)		
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.		
27 15 01 16 Voice Communications Horizontal Cabling (27 15 01)		
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.		
27 15 01 17 Intrusion Detection Communications Conductors and Cables (27 15 01)		
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables, 27 15 01 19-0000 for Type FPLP Cable.		
27 15 01 19 Fire Alarm Communications Conductors and Cables (27 15 01)		
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
27 15 01 19-0001 Fire Alarm/Life Safety Cable (27 15 01 19)		



Communications			27
Structured Cabling			27 10
Communications Horizontal Cabling			27 15

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MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0002	Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable (27 15 01 19-0001)		
27 15 01 19-0003	Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit (27 15 01 19-0002)		
27 15 01 19-0004	MLF 1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,661.29	725.72
27 15 01 19-0005	MLF 2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,004.58	751.96
27 15 01 19-0006	MLF 1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,893.68	824.91
27 15 01 19-0007	MLF 2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,437.75	854.36
27 15 01 19-0008	MLF 1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,169.44	923.47
27 15 01 19-0009	MLF 2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,942.15	956.74
27 15 01 19-0010	MLF 1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,746.68	1,055.94
27 15 01 19-0011	MLF 2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,943.68	1,093.60
27 15 01 19-0012	Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed (27 15 01 19-0002)		
27 15 01 19-0013	MLF 1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,870.83	1,451.66
27 15 01 19-0014	MLF 2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,257.84	1,503.92
27 15 01 19-0015	MLF 1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,268.55	1,650.04
27 15 01 19-0016	MLF 2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,861.67	1,708.70
27 15 01 19-0017	MLF 1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,708.55	1,847.36
27 15 01 19-0018	MLF 2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,536.72	1,913.50
27 15 01 19-0019	MLF 1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,506.58	2,111.88
27 15 01 19-0020	MLF 2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	5,766.52	2,187.62
27 15 01 19-0021	Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit (27 15 01 19-0001)		
27 15 01 19-0022	MLF 2 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,088.08	593.89
27 15 01 19-0023	MLF 4 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,169.70	615.00
27 15 01 19-0024	MLF 2 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,324.53	725.72
27 15 01 19-0025	MLF 3 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,403.77	738.84
27 15 01 19-0026	MLF 4 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,453.02	751.96
27 15 01 19-0027	MLF 6 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,608.10	778.19
27 15 01 19-0028	MLF 8 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,827.70	804.43
27 15 01 19-0029	MLF 2 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,539.74	824.91
27 15 01 19-0030	MLF 4 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,712.92	854.36
27 15 01 19-0031	MLF 2 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,775.44	923.47
27 15 01 19-0032	MLF 4 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,042.70	956.74
27 15 01 19-0033	MLF 2 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,148.64	1,055.94
27 15 01 19-0034	MLF 4 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,575.60	1,093.60
27 15 01 19-0035	Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable (27 15 01 19-0001)		
27 15 01 19-0036	Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit (27 15 01 19-0035)		
27 15 01 19-0037	MLF 2 Conductors, #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,080.35	593.89

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0038	MLF	2 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,319.50	725.72
27 15 01 19-0039	MLF	3 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,452.32	738.84
27 15 01 19-0040	MLF	4 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,466.46	751.96
27 15 01 19-0041	MLF	6 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,678.27	778.19
27 15 01 19-0042	MLF	2 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,532.15	824.91
27 15 01 19-0043	MLF	4 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,729.95	854.36
27 15 01 19-0044	MLF	2 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,741.27	923.47
27 15 01 19-0045	MLF	4 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,178.51	956.74
27 15 01 19-0046	MLF	2 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,137.47	1,055.94
27 15 01 19-0047	MLF	4 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,781.78	1,093.60
27 15 01 19-0048 Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed (27 15 01 19-0035)				
27 15 01 19-0049	MLF	2 Conductors, #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,070.15	1,188.20
27 15 01 19-0050	MLF	2 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,529.04	1,451.66
27 15 01 19-0051	MLF	3 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,683.19	1,477.25
27 15 01 19-0052	MLF	4 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,719.72	1,503.92
27 15 01 19-0053	MLF	6 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,975.26	1,556.18
27 15 01 19-0054	MLF	2 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,907.02	1,650.04
27 15 01 19-0055	MLF	4 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,153.87	1,708.70
27 15 01 19-0056	MLF	2 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,280.38	1,847.36
27 15 01 19-0057	MLF	4 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,773.08	1,913.50
27 15 01 19-0058	MLF	2 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,897.37	2,111.88
27 15 01 19-0059	MLF	4 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,604.62	2,187.62
27 15 01 19-0060 Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable (27 15 01 19-0001)				
27 15 01 19-0061 Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit (27 15 01 19-0060)				
27 15 01 19-0062	MLF	2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,112.19	593.89
27 15 01 19-0063	MLF	2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,342.23	725.72
27 15 01 19-0064	MLF	3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,536.71	738.84
27 15 01 19-0065	MLF	4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,489.73	751.96
27 15 01 19-0066	MLF	6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,702.06	778.19
27 15 01 19-0067	MLF	2 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,584.40	824.91
27 15 01 19-0068	MLF	4 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,754.12	854.36
27 15 01 19-0069	MLF	2 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,853.96	923.47
27 15 01 19-0070	MLF	4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,122.01	956.74
27 15 01 19-0071	MLF	2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,220.86	1,055.94
27 15 01 19-0072	MLF	4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,610.22	1,093.60
27 15 01 19-0073 Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed (27 15 01 19-0060)				
27 15 01 19-0074	MLF	2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,101.99	1,188.20
27 15 01 19-0075	MLF	2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,551.77	1,451.66



Communications			27
Structured Cabling			27 10
Communications Horizontal Cabling			27 15

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0076 MLF 3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,767.58	1,477.25
27 15 01 19-0077 MLF 4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,742.99	1,503.92
27 15 01 19-0078 MLF 6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,999.05	1,556.18
27 15 01 19-0079 MLF 2 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,959.27	1,650.04
27 15 01 19-0080 MLF 4 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,178.04	1,708.70
27 15 01 19-0081 MLF 2 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,393.07	1,847.36
27 15 01 19-0082 MLF 4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,716.58	1,913.50
27 15 01 19-0083 MLF 2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,980.76	2,111.88
27 15 01 19-0084 MLF 4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,433.06	2,187.62
27 15 01 19-0085 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable (27 15 01 19-0001)		
27 15 01 19-0086 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit (27 15 01 19-0085)		
27 15 01 19-0087 MLF 2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,073.74	593.89
27 15 01 19-0088 MLF 2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,342.24	725.72
27 15 01 19-0089 MLF 3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,429.93	738.84
27 15 01 19-0090 MLF 4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,504.31	751.96
27 15 01 19-0091 MLF 6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,666.37	778.19
27 15 01 19-0092 MLF 2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,543.15	824.91
27 15 01 19-0093 MLF 4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,761.94	854.36
27 15 01 19-0094 MLF 2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,788.87	923.47
27 15 01 19-0095 MLF 4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,173.63	956.74
27 15 01 19-0096 MLF 2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,127.98	1,055.94
27 15 01 19-0097 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed (27 15 01 19-0085)		
27 15 01 19-0098 MLF 2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,063.54	1,188.20
27 15 01 19-0099 MLF 2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,551.78	1,451.66
27 15 01 19-0100 MLF 3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,660.80	1,477.25
27 15 01 19-0101 MLF 4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,757.57	1,503.92
27 15 01 19-0102 MLF 6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,963.36	1,556.18
27 15 01 19-0103 MLF 2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,918.02	1,650.04
27 15 01 19-0104 MLF 4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,185.86	1,708.70
27 15 01 19-0105 MLF 2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,327.98	1,847.36
27 15 01 19-0106 MLF 4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,768.20	1,913.50
27 15 01 19-0107 MLF 2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,887.88	2,111.88
27 15 13 Communications Copper Horizontal Cabling (27 15)		
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
27 15 13 00-0001 Solid Conductor Low Voltage Cable (27 15 13)		
27 15 13 00-0002 Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0001)		
27 15 13 00-0003 #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0002)		

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0004	MLF	1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For #10 AWG, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,115.44 489.07 482.36	964.64
27 15 13 00-0005	MLF	2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For #10 AWG, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,601.71 642.11 499.52	998.74
27 15 13 00-0006	MLF	3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For #10 AWG, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,027.49 775.14 516.77	1,033.82
27 15 13 00-0007	MLF	4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For #10 AWG, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,478.44 916.22 534.61	1,068.90
27 15 13 00-0008	MLF	5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For #10 AWG, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,966.92 1,061.79 570.67	1,141.00
27 15 13 00-0009	MLF	6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For #10 AWG, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,412.01 1,193.27 606.23	1,212.14
27 15 13 00-0010	MLF	8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For #10 AWG, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,778.27 1,283.01 678.04	1,356.34
27 15 13 00-0011	MLF	12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For #10 AWG, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,336.93 1,703.86 893.83	1,788.00
27 15 13 00-0012	MLF	24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For #10 AWG, Add</i> <i>For Work In Restricted Working Space, Add</i>	9,436.10 2,541.93 1,319.95	2,640.58
27 15 13 00-0013		#14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0002)		
27 15 13 00-0014	MLF	1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	1,891.01 421.81	843.82
27 15 13 00-0015	MLF	2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	2,351.63 437.01	874.02
27 15 13 00-0016	MLF	3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	2,754.19 452.21	904.23
27 15 13 00-0017	MLF	4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	3,179.87 467.71	935.41
27 15 13 00-0018	MLF	5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	3,636.98 499.28	998.74
27 15 13 00-0019	MLF	6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	4,052.30 530.26	1,061.10
27 15 13 00-0020	MLF	8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	4,383.99 593.40	1,186.81
27 15 13 00-0021	MLF	12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	5,814.46 781.94	1,563.89
27 15 13 00-0022	MLF	24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	8,662.75 1,155.23	2,310.27
27 15 13 00-0023		#16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0002)		
27 15 13 00-0024	MLF	1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	1,683.04 376.79	753.20
27 15 13 00-0025	MLF	2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	1,986.08 390.24	780.48
27 15 13 00-0026	MLF	3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	2,443.57 403.69	807.76
27 15 13 00-0027	MLF	4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	2,819.72 417.72	835.05



Communications			27
Structured Cabling			27 10
Communications Horizontal Cabling			27 15

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0028 MLF 5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	3,223.13 445.78	891.56
27 15 13 00-0029 MLF 6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	3,590.48 473.55	947.10
27 15 13 00-0030 MLF 7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	3,737.39 501.62	1,003.62
27 15 13 00-0031 MLF 8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	3,885.27 529.97	1,060.13
27 15 13 00-0032 MLF 9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	4,350.45 563.59	1,127.36
27 15 13 00-0033 MLF 12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	5,152.27 698.20	1,396.29
27 15 13 00-0034 MLF 24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	7,675.55 1,031.44	2,062.77
27 15 13 00-0035 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0002)		
27 15 13 00-0036 MLF 1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	1,406.50 331.49	663.56
27 15 13 00-0037 MLF 2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	1,701.35 343.47	686.94
27 15 13 00-0038 MLF 3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	1,960.11 355.46	710.33
27 15 13 00-0039 MLF 4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	2,232.63 367.44	734.69
27 15 13 00-0040 MLF 5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	2,534.23 392.29	784.38
27 15 13 00-0041 MLF 6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	2,810.10 416.84	833.10
27 15 13 00-0042 MLF 8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	3,050.16 466.25	932.49
27 15 13 00-0043 MLF 12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	4,042.83 614.45	1,228.70
27 15 13 00-0044 MLF 24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	6,017.48 907.64	1,815.28
27 15 13 00-0045 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0002)		
27 15 13 00-0046 MLF 1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	1,236.32 301.38	603.14
27 15 13 00-0047 MLF 2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	1,469.53 312.19	624.58
27 15 13 00-0048 MLF 3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	1,672.47 323.01	646.51
27 15 13 00-0049 MLF 4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	1,886.08 334.12	668.43
27 15 13 00-0050 MLF 5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	2,130.89 356.48	713.25
27 15 13 00-0051 MLF 6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	2,354.53 378.84	758.07
27 15 13 00-0052 MLF 8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	2,579.24 423.86	847.72
27 15 13 00-0053 MLF 12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	3,394.92 558.62	1,117.62
27 15 13 00-0054 MLF 24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	5,050.00 825.21	1,650.61

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0055	MLF	25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i> 844.79	5,374.76	1,689.59
27 15 13 00-0056	MLF	36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i> 983.64	6,414.23	1,967.29
27 15 13 00-0057	MLF	40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i> 1,052.92	6,883.01	2,105.65
27 15 13 00-0058	MLF	50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i> 1,315.71	8,205.86	2,631.82
27 15 13 00-0059	MLF	100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i> 1,732.25	11,180.08	3,464.92
27 15 13 00-0060		#22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0002)		
27 15 13 00-0061	MLF	1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i> 271.27	1,025.46	542.74
27 15 13 00-0062	MLF	2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i> 280.91	1,102.27	562.22
27 15 13 00-0063	MLF	3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i> 290.86	1,197.09	581.71
27 15 13 00-0064	MLF	4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i> 300.79	1,300.38	601.20
27 15 13 00-0065	MLF	5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i> 320.96	1,451.84	642.12
27 15 13 00-0066	MLF	6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i> 340.25	1,605.37	680.12
27 15 13 00-0067		Triad (27 15 13 00-0002)		
27 15 13 00-0068	MLF	1 Triad #16 AWG, Stranded, Low Voltage, Installed In Conduit.....	1,919.51	807.76
27 15 13 00-0069	MLF	4 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit.....	2,552.17	1,117.62
27 15 13 00-0070	MLF	8 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit.....	3,912.99	1,650.61
27 15 13 00-0071	MLF	12 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit.....	4,804.33	1,967.29
27 15 13 00-0072	MLF	24 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit.....	7,730.97	3,047.88
27 15 13 00-0073	MLF	36 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit.....	8,861.55	3,464.92
27 15 13 00-0074		Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0001)		
27 15 13 00-0075		#12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0074)		
27 15 13 00-0076	MLF	1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For #10 AWG, Add</i> 810.65 <i>For Work In Restricted Working Space, Add</i> 964.72	3,723.31	1,929.29
27 15 13 00-0077	MLF	2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For #10 AWG, Add</i> 975.12 <i>For Work In Restricted Working Space, Add</i> 999.04	4,266.78	1,997.50
27 15 13 00-0078	MLF	3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For #10 AWG, Add</i> 1,119.65 <i>For Work In Restricted Working Space, Add</i> 1,033.53	4,750.03	2,067.65
27 15 13 00-0079	MLF	4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For #10 AWG, Add</i> 1,272.63 <i>For Work In Restricted Working Space, Add</i> 1,069.23	5,260.49	2,137.80
27 15 13 00-0080	MLF	5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For #10 AWG, Add</i> 1,442.24 <i>For Work In Restricted Working Space, Add</i> 1,141.34	5,869.15	2,282.01
27 15 13 00-0081	MLF	6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For #10 AWG, Add</i> 1,597.42 <i>For Work In Restricted Working Space, Add</i> 1,212.45	6,432.77	2,424.27
27 15 13 00-0082	MLF	8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For #10 AWG, Add</i> 1,735.04 <i>For Work In Restricted Working Space, Add</i> 1,356.09	7,038.43	2,712.69



Communications			27
Structured Cabling			27 10
Communications Horizontal Cabling			27 15

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0083	MLF	12	Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	9,316.35	3,575.99
			For #10 AWG, Add	2,299.75	
			For Work In Restricted Working Space, Add	1,787.65	
27 15 13 00-0084	MLF	24	Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	13,835.94	5,281.17
			For #10 AWG, Add	3,421.90	
			For Work In Restricted Working Space, Add	2,639.90	
27 15 13 00-0085 #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0074)					
27 15 13 00-0086	MLF	1	Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,297.05	1,687.64
			For Work In Restricted Working Space, Add	843.62	
27 15 13 00-0087	MLF	2	Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,808.34	1,748.05
			For Work In Restricted Working Space, Add	874.02	
27 15 13 00-0088	MLF	3	Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,261.57	1,808.46
			For Work In Restricted Working Space, Add	904.43	
27 15 13 00-0089	MLF	4	Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,738.88	1,870.82
			For Work In Restricted Working Space, Add	935.41	
27 15 13 00-0090	MLF	5	Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,301.23	1,997.50
			For Work In Restricted Working Space, Add	998.55	
27 15 13 00-0091	MLF	6	Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,819.84	2,122.21
			For Work In Restricted Working Space, Add	1,060.52	
27 15 13 00-0092	MLF	8	Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,362.00	2,373.60
			For Work In Restricted Working Space, Add	1,186.80	
27 15 13 00-0093	MLF	12	Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	8,420.94	3,127.78
			For Work In Restricted Working Space, Add	1,563.89	
27 15 13 00-0094	MLF	24	Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	12,513.53	4,620.54
			For Work In Restricted Working Space, Add	2,310.47	
27 15 13 00-0095 #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0074)					
27 15 13 00-0096	MLF	1	Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,939.03	1,506.40
			For Work In Restricted Working Space, Add	753.59	
27 15 13 00-0097	MLF	2	Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,286.89	1,560.97
			For Work In Restricted Working Space, Add	780.48	
27 15 13 00-0098	MLF	3	Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,789.21	1,615.53
			For Work In Restricted Working Space, Add	807.38	
27 15 13 00-0099	MLF	4	Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,212.12	1,670.10
			For Work In Restricted Working Space, Add	835.44	
27 15 13 00-0100	MLF	5	Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,709.07	1,783.13
			For Work In Restricted Working Space, Add	891.56	
27 15 13 00-0101	MLF	6	Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,168.98	1,894.21
			For Work In Restricted Working Space, Add	947.10	
27 15 13 00-0102	MLF	7	Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,409.43	2,007.23
			For Work In Restricted Working Space, Add	1,003.23	
27 15 13 00-0103	MLF	8	Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,651.84	2,120.26
			For Work In Restricted Working Space, Add	1,059.94	
27 15 13 00-0104	MLF	9	Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,229.06	2,254.73
			For Work In Restricted Working Space, Add	1,127.17	
27 15 13 00-0105	MLF	12	Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	7,479.59	2,792.59
			For Work In Restricted Working Space, Add	1,396.39	
27 15 13 00-0106	MLF	24	Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	11,113.67	4,125.55
			For Work In Restricted Working Space, Add	2,062.87	
27 15 13 00-0107 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0074)					
27 15 13 00-0108	MLF	1	Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,511.46	1,327.11
			For Work In Restricted Working Space, Add	662.97	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0109	MLF	2	Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,846.26	1,373.89
			For Work In Restricted Working Space, Add	686.94	
27 15 13 00-0110	MLF	3	Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,144.97	1,420.65
			For Work In Restricted Working Space, Add	710.91	
27 15 13 00-0111	MLF	4	Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,457.43	1,469.37
			For Work In Restricted Working Space, Add	734.88	
27 15 13 00-0112	MLF	5	Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,841.86	1,568.76
			For Work In Restricted Working Space, Add	784.58	
27 15 13 00-0113	MLF	6	Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,199.58	1,666.20
			For Work In Restricted Working Space, Add	833.69	
27 15 13 00-0114	MLF	8	Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,604.30	1,864.97
			For Work In Restricted Working Space, Add	932.49	
27 15 13 00-0115	MLF	12	Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,090.99	2,457.40
			For Work In Restricted Working Space, Add	1,228.89	
27 15 13 00-0116	MLF	24	Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,042.93	3,630.56
			For Work In Restricted Working Space, Add	1,815.27	
27 15 13 00-0117			#20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0074)		
27 15 13 00-0118	MLF	1	Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,240.91	1,206.29
			For Work In Restricted Working Space, Add	602.75	
27 15 13 00-0119	MLF	2	Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,510.18	1,249.17
			For Work In Restricted Working Space, Add	624.39	
27 15 13 00-0120	MLF	3	Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,749.17	1,293.01
			For Work In Restricted Working Space, Add	646.02	
27 15 13 00-0121	MLF	4	Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,999.81	1,336.86
			For Work In Restricted Working Space, Add	668.24	
27 15 13 00-0122	MLF	5	Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,319.16	1,426.50
			For Work In Restricted Working Space, Add	712.96	
27 15 13 00-0123	MLF	6	Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,617.34	1,516.15
			For Work In Restricted Working Space, Add	757.68	
27 15 13 00-0124	MLF	8	Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,992.10	1,695.43
			For Work In Restricted Working Space, Add	847.72	
27 15 13 00-0125	MLF	12	Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,256.97	2,235.24
			For Work In Restricted Working Space, Add	1,117.23	
27 15 13 00-0126	MLF	24	Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,800.67	3,301.22
			For Work In Restricted Working Space, Add	1,650.41	
27 15 13 00-0127	MLF	25	Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,190.71	3,379.17
			For Work In Restricted Working Space, Add	1,689.58	
27 15 13 00-0128	MLF	36	Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,693.06	3,934.57
			For Work In Restricted Working Space, Add	1,967.29	
27 15 13 00-0129	MLF	40	Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	10,392.73	4,211.29
			For Work In Restricted Working Space, Add	2,105.84	
27 15 13 00-0130	MLF	50	Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	12,591.56	5,263.63
			For Work In Restricted Working Space, Add	2,631.42	
27 15 13 00-0131	MLF	100	Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	16,954.24	6,929.83
			For Work In Restricted Working Space, Add	3,464.50	
27 15 13 00-0132			#22 AWG, Shielded, Low Voltage Cable, Installed Exposed (27 15 13 00-0074)		
27 15 13 00-0133	MLF	1	Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,929.69	1,085.46
			For Work In Restricted Working Space, Add	542.54	
27 15 13 00-0134	MLF	2	Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,038.66	1,124.45
			For Work In Restricted Working Space, Add	561.83	
27 15 13 00-0135	MLF	3	Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,166.60	1,163.42
			For Work In Restricted Working Space, Add	581.71	
27 15 13 00-0136	MLF	4	Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,303.03	1,202.39
			For Work In Restricted Working Space, Add	601.59	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0137 MLF 5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,521.72	1,284.24
For Work In Restricted Working Space, Add	641.93	
27 15 13 00-0138 MLF 6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,739.56	1,360.25
For Work In Restricted Working Space, Add	680.51	
27 15 13 00-0139 Triad, Installed Exposed (27 15 13 00-0074)		
27 15 13 00-0140 MLF 1 Triad, #16 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	1,919.51	807.76
27 15 13 00-0141 MLF 4 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	2,552.17	1,117.62
27 15 13 00-0142 MLF 8 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	3,912.99	1,650.61
27 15 13 00-0143 MLF 12 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	4,804.33	1,967.29
27 15 13 00-0144 MLF 24 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	7,730.97	3,047.88
27 15 13 00-0145 MLF 36 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	8,861.55	3,464.92
27 15 13 00-0146 Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0001)		
27 15 13 00-0147 #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0146)		
27 15 13 00-0148 MLF 1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,613.94	843.82
For Work In Restricted Working Space, Add	421.81	
27 15 13 00-0149 MLF 2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,840.36	874.02
For Work In Restricted Working Space, Add	437.01	
27 15 13 00-0150 MLF 3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,041.88	904.23
For Work In Restricted Working Space, Add	452.21	
27 15 13 00-0151 MLF 4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,253.88	935.41
For Work In Restricted Working Space, Add	467.71	
27 15 13 00-0152 MLF 5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,508.01	997.77
For Work In Restricted Working Space, Add	498.69	
27 15 13 00-0153 MLF 6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,746.04	1,060.13
For Work In Restricted Working Space, Add	529.97	
27 15 13 00-0154 MLF 8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,009.44	1,186.81
For Work In Restricted Working Space, Add	593.40	
27 15 13 00-0155 MLF 12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,981.73	1,563.89
For Work In Restricted Working Space, Add	781.94	
27 15 13 00-0156 MLF 24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,913.66	2,310.27
For Work In Restricted Working Space, Add	1,155.23	
27 15 13 00-0157 #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0146)		
27 15 13 00-0158 MLF 1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,439.06	753.20
For Work In Restricted Working Space, Add	376.79	
27 15 13 00-0159 MLF 2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,638.65	780.48
For Work In Restricted Working Space, Add	390.24	
27 15 13 00-0160 MLF 3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,816.31	807.76
For Work In Restricted Working Space, Add	403.69	
27 15 13 00-0161 MLF 4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,004.29	835.05
For Work In Restricted Working Space, Add	417.72	
27 15 13 00-0162 MLF 5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,229.70	890.59
For Work In Restricted Working Space, Add	445.49	
27 15 13 00-0163 MLF 6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,441.03	947.10
For Work In Restricted Working Space, Add	473.55	
27 15 13 00-0164 MLF 7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,557.46	1,003.62
For Work In Restricted Working Space, Add	501.62	
27 15 13 00-0165 MLF 8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,733.56	1,060.13
For Work In Restricted Working Space, Add	529.97	
27 15 13 00-0166 MLF 9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,006.68	1,127.36
For Work In Restricted Working Space, Add	563.55	
27 15 13 00-0167 MLF 12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,538.37	1,396.29
For Work In Restricted Working Space, Add	698.20	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0168	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	5,255.18 1,031.58	2,062.77
27 15 13 00-0169 #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0146)				
27 15 13 00-0170	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	1,257.75 331.49	662.58
27 15 13 00-0171	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	1,418.88 343.47	686.94
27 15 13 00-0172	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	1,522.06 355.46	711.30
27 15 13 00-0173	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	1,656.86 367.44	734.69
27 15 13 00-0174	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	1,823.98 392.29	784.38
27 15 13 00-0175	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	1,990.13 416.84	834.08
27 15 13 00-0176	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	2,376.10 466.25	932.49
27 15 13 00-0177	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	3,090.77 614.45	1,228.70
27 15 13 00-0178	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	4,164.23 907.64	1,815.28
27 15 13 00-0179 #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0146)				
27 15 13 00-0180	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	1,112.45 301.38	603.14
27 15 13 00-0181	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	1,224.50 312.19	624.58
27 15 13 00-0182	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	1,440.25 355.46	711.30
27 15 13 00-0183	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	1,577.35 373.87	747.75
27 15 13 00-0184	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	1,711.72 392.29	784.38
27 15 13 00-0185	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	1,857.49 416.84	834.08
27 15 13 00-0186	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	2,047.35 464.20	928.20
27 15 13 00-0187	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	2,519.19 558.62	1,117.62
27 15 13 00-0188	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	3,736.40 825.21	1,650.61
27 15 13 00-0189	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	3,912.92 844.79	1,689.59
27 15 13 00-0190	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	4,622.96 983.64	1,967.29
27 15 13 00-0191	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	4,955.85 1,052.92	2,105.65
27 15 13 00-0192	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	6,023.39 1,315.71	2,631.82
27 15 13 00-0193	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	8,091.68 1,732.25	3,464.92
27 15 13 00-0194 #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0146)				



Communications			27
Structured Cabling			27 10
Communications Horizontal Cabling			27 15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0195	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	975.74	542.74
		For Work In Restricted Working Space, Add	271.27	
27 15 13 00-0196	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,034.23	562.22
		For Work In Restricted Working Space, Add	280.91	
27 15 13 00-0197	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,108.65	581.71
		For Work In Restricted Working Space, Add	290.86	
27 15 13 00-0198	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,189.17	601.20
		For Work In Restricted Working Space, Add	300.79	
27 15 13 00-0199	MLF	5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,300.74	642.12
		For Work In Restricted Working Space, Add	320.96	
27 15 13 00-0200	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,418.97	680.12
		For Work In Restricted Working Space, Add	340.25	
27 15 13 00-0201		Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0001)		
27 15 13 00-0202		#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0201)		
27 15 13 00-0203	MLF	1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,019.98	1,687.64
		For Work In Restricted Working Space, Add	843.62	
27 15 13 00-0204	MLF	2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,297.07	1,748.05
		For Work In Restricted Working Space, Add	874.02	
27 15 13 00-0205	MLF	3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,549.26	1,808.46
		For Work In Restricted Working Space, Add	904.43	
27 15 13 00-0206	MLF	4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,812.89	1,870.82
		For Work In Restricted Working Space, Add	935.41	
27 15 13 00-0207	MLF	5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,170.32	1,995.54
		For Work In Restricted Working Space, Add	997.38	
27 15 13 00-0208	MLF	6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,512.61	2,120.26
		For Work In Restricted Working Space, Add	1,059.94	
27 15 13 00-0209	MLF	8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,987.45	2,373.60
		For Work In Restricted Working Space, Add	1,186.80	
27 15 13 00-0210	MLF	12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,588.21	3,127.78
		For Work In Restricted Working Space, Add	1,563.89	
27 15 13 00-0211	MLF	24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	9,764.44	4,620.54
		For Work In Restricted Working Space, Add	2,310.47	
27 15 13 00-0212		#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0201)		
27 15 13 00-0213	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,695.05	1,506.40
		For Work In Restricted Working Space, Add	753.59	
27 15 13 00-0214	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,939.46	1,560.97
		For Work In Restricted Working Space, Add	780.48	
27 15 13 00-0215	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,161.95	1,615.53
		For Work In Restricted Working Space, Add	807.38	
27 15 13 00-0216	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,396.69	1,670.10
		For Work In Restricted Working Space, Add	835.44	
27 15 13 00-0217	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,714.66	1,781.18
		For Work In Restricted Working Space, Add	890.98	
27 15 13 00-0218	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,019.53	1,894.21
		For Work In Restricted Working Space, Add	947.10	
27 15 13 00-0219	MLF	7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,229.50	2,007.23
		For Work In Restricted Working Space, Add	1,003.23	
27 15 13 00-0220	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,500.13	2,120.26
		For Work In Restricted Working Space, Add	1,059.94	
27 15 13 00-0221	MLF	9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,885.20	2,254.73
		For Work In Restricted Working Space, Add	1,127.11	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0222	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,865.69	2,792.59
		<i>For Work In Restricted Working Space, Add</i>	1,396.39	
27 15 13 00-0223	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	8,693.78	4,125.55
		<i>For Work In Restricted Working Space, Add</i>	2,063.16	
27 15 13 00-0224 #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0201)				
27 15 13 00-0225	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,362.71	1,325.16
		<i>For Work In Restricted Working Space, Add</i>	662.97	
27 15 13 00-0226	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,563.79	1,373.89
		<i>For Work In Restricted Working Space, Add</i>	686.94	
27 15 13 00-0227	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,706.92	1,422.61
		<i>For Work In Restricted Working Space, Add</i>	710.91	
27 15 13 00-0228	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,881.66	1,469.37
		<i>For Work In Restricted Working Space, Add</i>	734.88	
27 15 13 00-0229	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,131.61	1,568.76
		<i>For Work In Restricted Working Space, Add</i>	784.58	
27 15 13 00-0230	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,379.61	1,668.14
		<i>For Work In Restricted Working Space, Add</i>	833.69	
27 15 13 00-0231	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,930.24	1,864.97
		<i>For Work In Restricted Working Space, Add</i>	932.49	
27 15 13 00-0232	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,138.93	2,457.40
		<i>For Work In Restricted Working Space, Add</i>	1,228.89	
27 15 13 00-0233	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	7,189.68	3,630.56
		<i>For Work In Restricted Working Space, Add</i>	1,815.27	
27 15 13 00-0234 #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0201)				
27 15 13 00-0235	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,117.04	1,206.29
		<i>For Work In Restricted Working Space, Add</i>	602.75	
27 15 13 00-0236	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,265.15	1,249.17
		<i>For Work In Restricted Working Space, Add</i>	624.39	
27 15 13 00-0237	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,625.11	1,422.61
		<i>For Work In Restricted Working Space, Add</i>	710.91	
27 15 13 00-0238	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,823.58	1,495.49
		<i>For Work In Restricted Working Space, Add</i>	747.74	
27 15 13 00-0239	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,019.35	1,568.76
		<i>For Work In Restricted Working Space, Add</i>	784.58	
27 15 13 00-0240	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,246.97	1,668.14
		<i>For Work In Restricted Working Space, Add</i>	833.69	
27 15 13 00-0241	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,594.67	1,856.40
		<i>For Work In Restricted Working Space, Add</i>	928.40	
27 15 13 00-0242	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,381.24	2,235.24
		<i>For Work In Restricted Working Space, Add</i>	1,117.23	
27 15 13 00-0243	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,487.07	3,301.22
		<i>For Work In Restricted Working Space, Add</i>	1,650.41	
27 15 13 00-0244	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,728.87	3,379.17
		<i>For Work In Restricted Working Space, Add</i>	1,689.58	
27 15 13 00-0245	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	7,901.79	3,934.57
		<i>For Work In Restricted Working Space, Add</i>	1,967.29	
27 15 13 00-0246	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	8,465.57	4,211.29
		<i>For Work In Restricted Working Space, Add</i>	2,105.84	
27 15 13 00-0247	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	10,409.09	5,263.63
		<i>For Work In Restricted Working Space, Add</i>	2,631.42	
27 15 13 00-0248	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	13,865.84	6,929.83
		<i>For Work In Restricted Working Space, Add</i>	3,464.50	



Communications			27
Structured Cabling			27 10
Communications Horizontal Cabling			27 15

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MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0249 #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0201)			
27 15 13 00-0250	MLF 1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,879.97	1,085.46
	For Work In Restricted Working Space, Add	542.54	
27 15 13 00-0251	MLF 2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,970.62	1,124.45
	For Work In Restricted Working Space, Add	561.83	
27 15 13 00-0252	MLF 3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,078.16	1,163.42
	For Work In Restricted Working Space, Add	581.71	
27 15 13 00-0253	MLF 4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,191.82	1,202.39
	For Work In Restricted Working Space, Add	601.59	
27 15 13 00-0254	MLF 5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,370.62	1,284.24
	For Work In Restricted Working Space, Add	641.93	
27 15 13 00-0255	MLF 6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,553.16	1,360.25
	For Work In Restricted Working Space, Add	680.51	
27 15 13 00-0256 Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench (27 15 13 00-0001)			
	Note: Excludes excavation.		
27 15 13 00-0257	MLF 1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	1,788.93	
27 15 13 00-0258	MLF 2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,244.64	
27 15 13 00-0259	MLF 3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,643.49	
27 15 13 00-0260	MLF 4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	3,066.12	
27 15 13 00-0261	MLF 5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	3,515.08	
27 15 13 00-0262	MLF 6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	3,923.45	
27 15 13 00-0263 Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) (27 15 13 00-0001)			
27 15 13 00-0264	MLF 1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	1,875.20	528.82
27 15 13 00-0265	MLF 2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	2,384.47	566.55
27 15 13 00-0266	MLF 3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	3,129.75	716.23
27 15 13 00-0267	MLF 4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	3,798.77	828.41
27 15 13 00-0268	MLF 5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	6,175.96	944.22
27 15 13 00-0269	MLF 6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	7,449.23	1,206.30
27 15 13 00-0270 Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0001)			
27 15 13 00-0271	MLF 1 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,426.10	753.20
27 15 13 00-0272	MLF 2 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,702.41	780.48
27 15 13 00-0273	MLF 3 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,898.24	807.76
27 15 13 00-0274	MLF 4 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,005.26	835.05
27 15 13 00-0275	MLF 5 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,389.56	890.59
27 15 13 00-0276	MLF 6 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,582.54	947.10
27 15 13 00-0277	MLF 8 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,212.36	1,060.13
27 15 13 00-0278	MLF 12 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,003.16	1,396.29
27 15 13 00-0279	MLF 24 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,069.15	2,062.77
27 15 13 00-0280	MLF 1 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,234.04	662.58
27 15 13 00-0281	MLF 2 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,461.14	686.94
27 15 13 00-0282	MLF 3 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,649.68	711.30
27 15 13 00-0283	MLF 4 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,745.06	734.69
27 15 13 00-0284	MLF 5 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,073.62	784.38
27 15 13 00-0285	MLF 6 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,321.14	834.08
27 15 13 00-0286	MLF 8 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,620.36	932.49
27 15 13 00-0287	MLF 12 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,389.59	1,228.70
27 15 13 00-0288	MLF 24 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,391.85	1,815.28

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0289	MLF	1 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,092.94	603.14
27 15 13 00-0290	MLF	2 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,238.23	624.58
27 15 13 00-0291	MLF	3 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,379.15	646.01
27 15 13 00-0292	MLF	4 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,469.55	668.43
27 15 13 00-0293	MLF	5 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,597.95	713.25
27 15 13 00-0294	MLF	6 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,741.41	758.07
27 15 13 00-0295	MLF	8 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,950.21	847.72
27 15 13 00-0296	MLF	12 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,681.34	1,117.62
27 15 13 00-0297	MLF	24 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,066.75	1,650.61
27 15 13 00-0298	MLF	25 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,280.45	1,689.59
27 15 13 00-0299	MLF	36 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,045.19	1,967.29
27 15 13 00-0300	MLF	40 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,440.52	2,105.65
27 15 13 00-0301	MLF	50 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,572.26	2,631.82
27 15 13 00-0302	MLF	100 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	8,868.38	3,464.92
27 15 13 00-0303	MLF	250 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	17,079.23	6,382.23
27 15 13 00-0304	MLF	500 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	25,603.41	8,445.98
27 15 13 00-0305	MLF	750 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	34,172.86	10,643.22
27 15 13 00-0306	MLF	1200 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	48,061.40	14,599.22
27 15 13 00-0307	MLF	1 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,061.11	603.14
27 15 13 00-0308	MLF	2 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,167.03	624.58
27 15 13 00-0309	MLF	3 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,270.17	646.01
27 15 13 00-0310	MLF	4 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,341.33	668.43
27 15 13 00-0311	MLF	5 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,450.51	713.25
27 15 13 00-0312	MLF	6 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,568.96	758.07
27 15 13 00-0313	MLF	8 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,756.59	847.72
27 15 13 00-0314	MLF	12 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,386.13	1,117.62
27 15 13 00-0315	MLF	24 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,592.55	1,650.61
27 15 13 00-0316	MLF	25 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,752.77	1,689.59
27 15 13 00-0317	MLF	36 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,426.80	1,967.29
27 15 13 00-0318	MLF	40 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,744.81	2,105.65
27 15 13 00-0319	MLF	50 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,784.38	2,631.82
27 15 13 00-0320	MLF	100 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,753.47	3,464.92
27 15 13 00-0321	MLF	250 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	14,719.79	6,382.23
27 15 13 00-0322	MLF	500 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	21,437.78	8,445.98
27 15 13 00-0323	MLF	750 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	28,235.21	10,643.22
27 15 13 00-0324	MLF	1200 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	39,489.31	14,599.22
27 15 13 00-0325		Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 15 13 00-0001)</small>		
27 15 13 00-0326	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,498.78	753.20
27 15 13 00-0327	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,736.16	780.48
27 15 13 00-0328	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,881.45	807.76
27 15 13 00-0329	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,077.95	835.05



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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0330	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,306.43	890.59
27 15 13 00-0331	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,532.95	947.10
27 15 13 00-0332	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,072.64	1,060.13
27 15 13 00-0333	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,985.53	1,396.29
27 15 13 00-0334	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,950.29	2,062.77
27 15 13 00-0335	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,311.33	662.58
27 15 13 00-0336	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,514.96	686.94
27 15 13 00-0337	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,640.30	711.30
27 15 13 00-0338	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,808.37	734.69
27 15 13 00-0339	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,005.04	784.38
27 15 13 00-0340	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,200.75	834.08
27 15 13 00-0341	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,664.32	932.49
27 15 13 00-0342	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,457.22	1,228.70
27 15 13 00-0343	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,160.40	1,815.28
27 15 13 00-0344	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,150.27	603.14
27 15 13 00-0345	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,325.30	624.58
27 15 13 00-0346	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,446.76	646.01
27 15 13 00-0347	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,670.30	668.43
27 15 13 00-0348	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,861.88	713.25
27 15 13 00-0349	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,238.01	758.07
27 15 13 00-0350	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,501.26	847.72
27 15 13 00-0351	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,151.39	1,117.62
27 15 13 00-0352	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,760.05	1,650.61
27 15 13 00-0353	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,050.75	1,689.59
27 15 13 00-0354	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,017.42	1,967.29
27 15 13 00-0355	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,456.09	2,105.65
27 15 13 00-0356	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,722.36	2,631.82
27 15 13 00-0357	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	10,495.90	3,464.92
27 15 13 00-0358	MLF	250 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	20,523.92	6,382.23
27 15 13 00-0359	MLF	500 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	31,684.92	8,445.98
27 15 13 00-0360	MLF	750 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	42,840.45	10,643.22
27 15 13 00-0361	MLF	1200 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	60,574.92	14,598.24
27 15 13 00-0362	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,097.77	603.14
27 15 13 00-0363	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,222.73	624.58
27 15 13 00-0364	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,313.42	646.01
27 15 13 00-0365	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,469.75	668.43
27 15 13 00-0366	MLF	5 Pair #22 AWG, Solid, Low Voltage, Plenum Rated, Non-Shielded, Installed In Conduit	1,619.34	713.25
27 15 13 00-0367	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,886.63	758.07
27 15 13 00-0368	MLF	8 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,109.09	847.72
27 15 13 00-0369	MLF	12 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,686.81	1,117.62
27 15 13 00-0370	MLF	24 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,036.03	1,650.61
27 15 13 00-0371	MLF	25 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,245.51	1,689.59

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0372	MLF	36 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,030.63	1,967.29
27 15 13 00-0373	MLF	40 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,394.45	2,105.65
27 15 13 00-0374	MLF	50 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,520.08	2,631.82
27 15 13 00-0375	MLF	100 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	8,794.56	3,464.92
27 15 13 00-0376	MLF	250 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	16,923.09	6,382.23
27 15 13 00-0377	MLF	500 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	25,327.93	8,445.98
27 15 13 00-0378	MLF	750 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	33,779.88	10,643.22
27 15 13 00-0379	MLF	1200 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	47,494.60	14,599.22
27 15 13 00-0380		Copper Telecommunications Cable (27 15 13)		
27 15 13 00-0381		Indoor Telecommunications Cable (27 15 13 00-0380) Note: Shielded twisted pair cables (STP) include a metallic foil wrap. Un-shielded twisted pair cables (UTP) exclude any shielding.		
27 15 13 00-0382		Category 3, Indoor Telecommunications Cable (27 15 13 00-0381) Note: Un-shielded twisted pair cables (UTP).		
27 15 13 00-0383		Category 3, Indoor Telecommunications Riser Cable (27 15 13 00-0382)		
27 15 13 00-0384		24 AWG, Category 3, Indoor Telecommunications Riser Cable (27 15 13 00-0383)		
27 15 13 00-0385		24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit (27 15 13 00-0384)		
27 15 13 00-0386	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	815.28	447.98
27 15 13 00-0387	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	844.58	447.98
27 15 13 00-0388	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	854.94	447.98
27 15 13 00-0389	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,019.88	511.98
27 15 13 00-0390	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,235.56	511.98
27 15 13 00-0391	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,578.02	511.98
27 15 13 00-0392	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	2,438.83	639.97
27 15 13 00-0393	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	4,352.27	1,023.94
27 15 13 00-0394	MLF	150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	5,790.49	1,151.93
27 15 13 00-0395	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	7,583.91	1,279.93
27 15 13 00-0396	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	11,057.41	1,791.90
27 15 13 00-0397	MLF	400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	14,434.15	2,214.27
27 15 13 00-0398	MLF	600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	22,681.23	3,071.83
27 15 13 00-0399	MLF	900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	37,345.23	6,143.65
27 15 13 00-0400	MLF	1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	51,150.21	9,215.49
27 15 13 00-0401		24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed (27 15 13 00-0394)		
27 15 13 00-0402	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,561.90	895.95
		<i>For Work In Restricted Working Space, Add</i>	447.98	
27 15 13 00-0403	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,591.20	895.95
		<i>For Work In Restricted Working Space, Add</i>	447.98	
27 15 13 00-0404	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,601.56	895.95
		<i>For Work In Restricted Working Space, Add</i>	447.98	
27 15 13 00-0405	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,659.85	895.95
		<i>For Work In Restricted Working Space, Add</i>	447.98	
27 15 13 00-0406	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,875.53	895.95
		<i>For Work In Restricted Working Space, Add</i>	447.98	
27 15 13 00-0407	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	2,431.31	1,023.94
		<i>For Work In Restricted Working Space, Add</i>	511.97	
27 15 13 00-0408	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	3,505.44	1,279.93
		<i>For Work In Restricted Working Space, Add</i>	639.97	
27 15 13 00-0409	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	5,205.56	1,535.92
		<i>For Work In Restricted Working Space, Add</i>	767.96	
27 15 13 00-0410	MLF	150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	6,750.44	1,727.90
		<i>For Work In Restricted Working Space, Add</i>	863.95	
27 15 13 00-0411	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	8,650.51	1,919.89
		<i>For Work In Restricted Working Space, Add</i>	959.95	
27 15 13 00-0412	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	12,550.66	2,687.85
		<i>For Work In Restricted Working Space, Add</i>	1,343.93	
27 15 13 00-0413	MLF	400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	16,290.05	3,327.82
		<i>For Work In Restricted Working Space, Add</i>	1,663.91	
27 15 13 00-0414	MLF	600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	25,241.09	4,607.74
		<i>For Work In Restricted Working Space, Add</i>	2,303.87	
27 15 13 00-0415	MLF	900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	42,464.94	9,215.49
		<i>For Work In Restricted Working Space, Add</i>	4,607.74	
27 15 13 00-0416	MLF	1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	58,829.79	13,823.23
		<i>For Work In Restricted Working Space, Add</i>	6,911.62	



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Communications Horizontal Cabling			27 15

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MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0417	22 AWG, Category 3, Indoor Telecommunications Riser Cable (27 15 13 00-0383)		
27 15 13 00-0418	22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit (27 15 13 00-0417)		
27 15 13 00-0419	MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	2,430.99	511.98
27 15 13 00-0420	MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,571.02	639.97
27 15 13 00-0421	MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	6,462.79	1,023.94
27 15 13 00-0422	MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	11,260.03	1,279.93
27 15 13 00-0423	MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	16,524.35	1,791.90
27 15 13 00-0424	MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	21,475.44	2,214.27
27 15 13 00-0425	MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	31,754.98	3,071.83
27 15 13 00-0426	22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed (27 15 13 00-0417)		
27 15 13 00-0427	MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed For Work In Restricted Working Space, Add	3,284.28 511.97	1,023.94
27 15 13 00-0428	MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed For Work In Restricted Working Space, Add	4,637.63 639.97	1,279.93
27 15 13 00-0429	MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed For Work In Restricted Working Space, Add	7,316.08 767.96	1,535.92
27 15 13 00-0430	MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed For Work In Restricted Working Space, Add	12,326.63 959.95	1,919.89
27 15 13 00-0431	MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed For Work In Restricted Working Space, Add	18,017.60 1,343.93	2,687.85
27 15 13 00-0432	MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed For Work In Restricted Working Space, Add	23,331.34 1,663.91	3,327.82
27 15 13 00-0433	MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed For Work In Restricted Working Space, Add	34,314.84 2,303.87	4,607.74
27 15 13 00-0434	Category 3, Indoor Telecommunications Plenum Cable (27 15 13 00-0382)		
27 15 13 00-0435	24 AWG, Category 3, Indoor Telecommunications Plenum Cable (27 15 13 00-0434)		
27 15 13 00-0436	24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit (27 15 13 00-0435)		
27 15 13 00-0437	MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	838.98	447.98
27 15 13 00-0438	MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	868.16	447.98
27 15 13 00-0439	MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	889.98	447.98
27 15 13 00-0440	MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,059.24	511.98
27 15 13 00-0441	MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,294.34	511.98
27 15 13 00-0442	MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,931.62	511.98
27 15 13 00-0443	MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	3,158.75	639.97
27 15 13 00-0444	MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	5,860.69	1,023.94
27 15 13 00-0445	MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	9,947.69	1,279.93
27 15 13 00-0446	MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	14,856.34	1,791.90
27 15 13 00-0447	24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed (27 15 13 00-0435)		
27 15 13 00-0448	MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed For Work In Restricted Working Space, Add	1,585.60 447.98	895.95
27 15 13 00-0449	MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed For Work In Restricted Working Space, Add	1,614.78 447.98	895.95
27 15 13 00-0450	MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed For Work In Restricted Working Space, Add	1,636.60 447.98	895.95
27 15 13 00-0451	MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed For Work In Restricted Working Space, Add	1,699.21 447.98	895.95
27 15 13 00-0452	MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed For Work In Restricted Working Space, Add	1,934.31 447.98	895.95
27 15 13 00-0453	MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed For Work In Restricted Working Space, Add	2,784.91 511.97	1,023.94
27 15 13 00-0454	MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed For Work In Restricted Working Space, Add	4,225.36 639.97	1,279.93
27 15 13 00-0455	MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed For Work In Restricted Working Space, Add	6,713.98 767.96	1,535.92
27 15 13 00-0456	MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed For Work In Restricted Working Space, Add	11,014.29 959.95	1,919.89
27 15 13 00-0457	MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed For Work In Restricted Working Space, Add	16,349.59 1,343.93	2,687.85
27 15 13 00-0458	Category 5E, Indoor Telecommunications Cable (27 15 13 00-0381)		
27 15 13 00-0459	Category 5E, Indoor Telecommunications Riser Cable (27 15 13 00-0458)		
27 15 13 00-0460	Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit (27 15 13 00-0459)		
27 15 13 00-0461	MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	907.51	447.98
27 15 13 00-0462	MLF 4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	945.20	447.98
27 15 13 00-0463	MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	1,052.57	511.98

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0464 MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,090.24	511.98
27 15 13 00-0465 Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed ^(27 15 13 00-0459)		
27 15 13 00-0466 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,654.13	895.95
For Work In Restricted Working Space, Add	447.98	
27 15 13 00-0467 MLF 4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,691.82	895.95
For Work In Restricted Working Space, Add	447.98	
27 15 13 00-0468 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,905.86	1,023.94
For Work In Restricted Working Space, Add	511.97	
27 15 13 00-0469 MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,943.53	1,023.94
For Work In Restricted Working Space, Add	511.97	
27 15 13 00-0470 Category 5E, Indoor Telecommunications Plenum Cable ^(27 15 13 00-0458)		
27 15 13 00-0471 Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit ^(27 15 13 00-0470)		
27 15 13 00-0472 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,046.09	447.98
27 15 13 00-0473 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,447.18	511.98
27 15 13 00-0474 Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed ^(27 15 13 00-0470)		
27 15 13 00-0475 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	1,792.71	895.95
For Work In Restricted Working Space, Add	447.98	
27 15 13 00-0476 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	2,300.47	1,023.94
For Work In Restricted Working Space, Add	511.97	
27 15 13 00-0477 Category 6, Indoor Telecommunications Cable ^(27 15 13 00-0381)		
27 15 13 00-0478 Category 6, Indoor Telecommunications Riser Cable ^(27 15 13 00-0477)		
27 15 13 00-0479 Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit ^(27 15 13 00-0478)		
27 15 13 00-0480 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit	1,325.49	447.98
27 15 13 00-0481 MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit	1,390.21	447.98
27 15 13 00-0482 Category 6, Indoor Telecommunications Riser Cable, Installed Exposed ^(27 15 13 00-0479)		
27 15 13 00-0483 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed	2,072.11	895.95
For Work In Restricted Working Space, Add	447.98	
27 15 13 00-0484 MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed	2,136.83	895.95
For Work In Restricted Working Space, Add	447.98	
27 15 13 00-0485 Category 6, Indoor Telecommunications Plenum Cable ^(27 15 13 00-0477)		
27 15 13 00-0486 Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit ^(27 15 13 00-0485)		
27 15 13 00-0487 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,924.33	447.98
27 15 13 00-0488 Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed ^(27 15 13 00-0486)		
27 15 13 00-0489 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed	2,670.95	895.95
For Work In Restricted Working Space, Add	447.98	
27 15 13 00-0490 Category 6a, Indoor Telecommunications Cable ^(27 15 13 00-0381)		
27 15 13 00-0491 Category 6a, Indoor Telecommunications Riser Cable ^(27 15 13 00-0490)		
27 15 13 00-0492 Category 6a Indoor Telecommunications Riser Cable, Installed In Conduit ^(27 15 13 00-0491)		
27 15 13 00-0493 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Riser Cable, Installed In Conduit	1,428.91	447.98
27 15 13 00-0494 Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed ^(27 15 13 00-0493)		
27 15 13 00-0495 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed	2,175.53	895.95
For Work In Restricted Working Space, Add	447.98	
27 15 13 00-0496 Category 6a, Indoor Telecommunications Plenum Cable ^(27 15 13 00-0490)		
27 15 13 00-0497 Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit ^(27 15 13 00-0496)		
27 15 13 00-0498 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit	2,230.42	447.98
27 15 13 00-0499 Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed ^(27 15 13 00-0498)		



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0500 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,977.04 447.98	895.95
27 15 13 00-0501 Category 7, Indoor Telecommunications Cable (27 15 13 00-0381)		
27 15 13 00-0502 Category 7, Indoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0501)		
27 15 13 00-0503 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed In Conduit	3,483.49	511.98
27 15 13 00-0504 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	7,273.78	511.98
27 15 13 00-0505 Category 7, Indoor Telecommunications Cable, Installed Exposed (27 15 13 00-0501)		
27 15 13 00-0506 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	4,336.78 511.97	1,023.94
27 15 13 00-0507 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	8,127.07 511.97	1,023.94
27 15 13 00-0508 Outdoor Telecommunications Cable (27 15 13 00-0380) Note: Cable buried in trench excludes excavation.		
27 15 13 00-0509 PE-89 Outdoor Telecommunications Cable (27 15 13 00-0508) Note: Includes foam-skin polyolefin insulated conductors.		
27 15 13 00-0510 24 AWG, PE-89 Outdoor Telecommunications Cable (27 15 13 00-0509)		
27 15 13 00-0511 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0510)		
27 15 13 00-0512 MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,472.77	511.98
27 15 13 00-0513 MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,734.79	895.95
27 15 13 00-0514 MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,405.91	575.97
27 15 13 00-0515 MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,587.88	639.97
27 15 13 00-0516 MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	5,083.31	895.95
27 15 13 00-0517 MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	6,367.92	1,023.94
27 15 13 00-0518 MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	10,765.10	1,151.93
27 15 13 00-0519 MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	15,816.87	1,663.91
27 15 13 00-0520 MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	20,950.06	2,175.88
27 15 13 00-0521 MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	28,449.10	2,943.83
27 15 13 00-0522 MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	45,273.54	5,887.67
27 15 13 00-0523 MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	62,063.81	8,703.51
27 15 13 00-0524 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0510)		
27 15 13 00-0525 MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,312.78	
27 15 13 00-0526 MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,574.80	
27 15 13 00-0527 MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	2,192.59	
27 15 13 00-0528 MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	3,374.55	
27 15 13 00-0529 MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	4,763.33	
27 15 13 00-0530 MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	5,834.62	
27 15 13 00-0531 MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	10,551.78	
27 15 13 00-0532 MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	15,176.91	
27 15 13 00-0533 MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	19,616.80	
27 15 13 00-0534 MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	26,102.57	
27 15 13 00-0535 MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	38,873.89	
27 15 13 00-0536 MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	52,677.66	
27 15 13 00-0537 22 AWG, PE-89 Outdoor Telecommunications Cable (27 15 13 00-0509)		
27 15 13 00-0538 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0537)		
27 15 13 00-0539 MLF 6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,639.34	511.98
27 15 13 00-0540 MLF 12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,046.00	511.98
27 15 13 00-0541 MLF 25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,042.94	575.97
27 15 13 00-0542 MLF 50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	4,721.73	639.97
27 15 13 00-0543 MLF 75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	6,855.21	895.95
27 15 13 00-0544 MLF 100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	8,776.76	1,023.94
27 15 13 00-0545 MLF 200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	15,412.10	1,151.93
27 15 13 00-0546 MLF 300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	22,444.41	1,663.91
27 15 13 00-0547 MLF 400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	29,884.56	2,175.88
27 15 13 00-0548 MLF 600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	44,051.56	2,943.83
27 15 13 00-0549 MLF 900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	64,978.15	5,887.67
27 15 13 00-0550 MLF 1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	91,543.73	8,703.51
27 15 13 00-0551 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0537)		
27 15 13 00-0552 MLF 6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,479.35	
27 15 13 00-0553 MLF 12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,886.01	
27 15 13 00-0554 MLF 25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	2,829.62	
27 15 13 00-0555 MLF 50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	4,508.40	
27 15 13 00-0556 MLF 75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	6,535.23	
27 15 13 00-0557 MLF 100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	8,456.78	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0558 MLF 200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	15,198.78	
27 15 13 00-0559 MLF 300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	21,804.45	
27 15 13 00-0560 MLF 400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	28,551.30	
27 15 13 00-0561 MLF 600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	41,705.03	
27 15 13 00-0562 MLF 900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	58,578.50	
27 15 13 00-0563 MLF 1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	82,157.58	
27 15 13 00-0564 19 AWG, PE-89 Outdoor Telecommunications Cable (27 15 13 00-0509)		
27 15 13 00-0565 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0564)		
27 15 13 00-0566 MLF 25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	5,006.79	575.97
27 15 13 00-0567 MLF 50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	8,560.42	639.97
27 15 13 00-0568 MLF 75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	13,683.52	895.95
27 15 13 00-0569 MLF 100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	16,380.09	1,023.94
27 15 13 00-0570 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0564)		
27 15 13 00-0571 MLF 25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	4,793.47	
27 15 13 00-0572 MLF 50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	8,347.09	
27 15 13 00-0573 MLF 75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	13,363.54	
27 15 13 00-0574 MLF 100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	16,060.11	
27 15 13 00-0575 PE-39 Outdoor Telecommunications Cable (27 15 13 00-0508)		
Note: Includes solid polyolefin insulated conductors.		
27 15 13 00-0576 24 AWG, PE-39 Outdoor Telecommunications Cable (27 15 13 00-0575)		
27 15 13 00-0577 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0576)		
27 15 13 00-0578 MLF 6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	2,136.16	895.95
27 15 13 00-0579 MLF 12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	2,456.72	895.95
27 15 13 00-0580 MLF 25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	3,103.43	895.95
27 15 13 00-0581 MLF 50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	4,268.04	895.95
27 15 13 00-0582 MLF 100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	6,630.04	895.95
27 15 13 00-0583 MLF 200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	11,852.42	1,151.93
27 15 13 00-0584 MLF 300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	17,300.02	1,663.91
27 15 13 00-0585 MLF 400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	22,757.26	2,175.88
27 15 13 00-0586 MLF 600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	31,087.76	2,943.83
27 15 13 00-0587 MLF 900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	48,685.97	5,887.67
27 15 13 00-0588 MLF 1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	70,914.29	8,703.51
27 15 13 00-0589 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0576)		
27 15 13 00-0590 MLF 6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	1,816.18	
27 15 13 00-0591 MLF 12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	2,136.74	
27 15 13 00-0592 MLF 25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	2,783.45	
27 15 13 00-0593 MLF 50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	3,948.06	
27 15 13 00-0594 MLF 100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	6,310.06	
27 15 13 00-0595 MLF 200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	11,639.10	
27 15 13 00-0596 MLF 300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	16,660.06	
27 15 13 00-0597 MLF 400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	21,424.00	
27 15 13 00-0598 MLF 600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	28,741.23	
27 15 13 00-0599 MLF 900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	42,286.32	
27 15 13 00-0600 MLF 1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	61,528.14	
27 15 13 00-0601 22 AWG, PE-39 Outdoor Telecommunications Cable (27 15 13 00-0575)		
27 15 13 00-0602 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0601)		
27 15 13 00-0603 MLF 6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	2,321.48	895.95
27 15 13 00-0604 MLF 12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	2,792.53	895.95
27 15 13 00-0605 MLF 25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	3,794.95	895.95
27 15 13 00-0606 MLF 50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	5,639.03	895.95
27 15 13 00-0607 MLF 100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	9,487.40	895.95
27 15 13 00-0608 MLF 200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	17,351.35	1,151.93
27 15 13 00-0609 MLF 300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	25,417.12	1,663.91
27 15 13 00-0610 MLF 400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	32,574.73	2,175.88
27 15 13 00-0611 MLF 600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	45,472.61	2,943.83
27 15 13 00-0612 MLF 900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	71,978.39	5,887.67
27 15 13 00-0613 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0601)		
27 15 13 00-0614 MLF 6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	2,001.50	
27 15 13 00-0615 MLF 12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	2,472.55	
27 15 13 00-0616 MLF 25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	3,474.97	
27 15 13 00-0617 MLF 50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	5,319.05	
27 15 13 00-0618 MLF 100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	9,167.42	
27 15 13 00-0619 MLF 200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	17,138.03	



Communications			27
Structured Cabling			27 10
Communications Horizontal Cabling			27 15

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0620 MLF 300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	24,777.16	
27 15 13 00-0621 MLF 400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	31,241.47	
27 15 13 00-0622 MLF 600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	43,126.08	
27 15 13 00-0623 MLF 900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	65,578.74	
27 15 13 00-0624 19 AWG, PE-39 Outdoor Telecommunications Cable (27 15 13 00-0575)		
27 15 13 00-0625 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0624)		
27 15 13 00-0626 MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	6,015.53	895.95
27 15 13 00-0627 MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,755.58	895.95
27 15 13 00-0628 MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	17,511.12	895.95
27 15 13 00-0629 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0624)		
27 15 13 00-0630 MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	5,695.55	
27 15 13 00-0631 MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	9,435.60	
27 15 13 00-0632 MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	17,191.14	
27 15 13 00-0633 (Aerial) Outdoor Telecommunications Cable (27 15 13 00-0508)		
Note: Includes support wire.		
27 15 13 00-0634 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles (27 15 13 00-0633)		
27 15 13 00-0635 MLF 6-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,318.45	1,812.96
27 15 13 00-0636 MLF 12-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,585.17	1,812.96
27 15 13 00-0637 MLF 25-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	7,247.39	1,812.96
27 15 13 00-0638 MLF 50-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,473.46	1,812.96
27 15 13 00-0639 MLF 100-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	10,841.62	1,812.96
27 15 13 00-0640 MLF 200-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	15,979.90	1,994.26
27 15 13 00-0641 MLF 300-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	21,147.47	2,175.56
27 15 13 00-0642 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles (27 15 13 00-0633)		
27 15 13 00-0643 MLF 6-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,637.55	1,812.96
27 15 13 00-0644 MLF 12-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	7,031.62	1,812.96
27 15 13 00-0645 MLF 25-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	7,980.76	1,812.96
27 15 13 00-0646 MLF 50-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,855.88	1,812.96
27 15 13 00-0647 MLF 100-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	14,136.40	1,812.96
27 15 13 00-0648 MLF 200-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	21,780.73	1,994.26
27 15 13 00-0649 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles (27 15 13 00-0633)		
27 15 13 00-0650 MLF 6-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	7,059.43	1,812.96
27 15 13 00-0651 MLF 12-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	7,950.60	1,812.96
27 15 13 00-0652 MLF 25-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,702.76	1,812.96
27 15 13 00-0653 MLF 50-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	13,207.12	1,812.96
27 15 13 00-0654 MLF 100-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	20,402.37	1,812.96
27 15 13 00-0655 Sound System Cables (27 15 13)		
Note: Cables shall be type CL2 or CM and as manufactured by West Penn Wire, Belden or approved equal.		
27 15 13 00-0656 Speaker/Communications And Control Cable, Installed Exposed (27 15 13 00-0655)		
27 15 13 00-0657 Non-Plenum Rated Speaker/Communications And Control Cable, Installed Exposed (27 15 13 00-0656)		
27 15 13 00-0658 MLF 2 Conductor, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,572.18	682.07
For Work In Restricted Working Space, Add 409.24		
27 15 13 00-0659 MLF 2 Conductor, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,502.01	682.07
For Work In Restricted Working Space, Add 409.24		
27 15 13 00-0660 MLF 2 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,447.89	682.07
For Work In Restricted Working Space, Add 409.24		
27 15 13 00-0661 MLF 4 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,507.07	682.07
For Work In Restricted Working Space, Add 409.24		
27 15 13 00-0662 MLF 4 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,697.31	682.07
For Work In Restricted Working Space, Add 409.24		
27 15 13 00-0663 MLF 6 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,886.91	682.07
For Work In Restricted Working Space, Add 409.24		
27 15 13 00-0664 MLF 4 Conductor, #20 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,698.11	682.07
For Work In Restricted Working Space, Add 409.24		

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0665	MLF	4 Conductor, #22 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,606.76 409.24	682.07
27 15 13 00-0666		Plenum Rated Speaker/Communications And Control Cable, Installed Exposed <small>(27 15 13 00-0666)</small>		
27 15 13 00-0667	MLF	2 Conductor, #16 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,601.17 409.24	682.07
27 15 13 00-0668	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,520.45 409.24	682.07
27 15 13 00-0669	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,474.76 409.24	682.07
27 15 13 00-0670	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,551.00 409.24	682.07
27 15 13 00-0671	MLF	8 Conductors, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,712.07 409.24	682.07
27 15 13 00-0672	MLF	2 Conductors, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,694.30 409.24	682.07
27 15 13 00-0673	MLF	2 Conductors, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,582.65 409.24	682.07
27 15 13 00-0674	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,772.43 409.24	682.07
27 15 13 00-0675	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,961.70 409.24	682.07
27 15 13 00-0676	MLF	2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,497.67 409.24	682.07
27 15 13 00-0677	MLF	2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,535.38 409.24	682.07
27 15 13 00-0678		Speaker/Communications And Control Cable, Installed In Conduit <small>(27 15 13 00-0655)</small>		
27 15 13 00-0679		Non-Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit <small>(27 15 13 00-0679)</small>		
27 15 13 00-0680	MLF	2 Conductors, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	890.11	341.03
27 15 13 00-0681	MLF	2 Conductors, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	819.94	341.03
27 15 13 00-0682	MLF	2 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	765.82	341.03
27 15 13 00-0683	MLF	4 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	825.00	341.03
27 15 13 00-0684	MLF	4 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,015.24	341.03
27 15 13 00-0685	MLF	6 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,204.84	341.03
27 15 13 00-0686	MLF	4 Conductors (2 Shielded, 2 Unshielded), #20 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit.....	1,016.04	341.03
27 15 13 00-0687	MLF	4 Conductors (2 Shielded, 2 Unshielded), #22 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit.....	924.69	341.03
27 15 13 00-0688		Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit <small>(27 15 13 00-0678)</small>		
27 15 13 00-0689	MLF	2 Conductor, #6 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	919.10	341.03
27 15 13 00-0690	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	838.38	341.03
27 15 13 00-0691	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	792.69	341.03
27 15 13 00-0692	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	868.93	341.03
27 15 13 00-0693	MLF	8 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,030.00	341.03
27 15 13 00-0694	MLF	2 Conductor, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,012.23	341.03
27 15 13 00-0695	MLF	2 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	900.58	341.03
27 15 13 00-0696	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,090.36	341.03



Communications			27
Structured Cabling			27 10
Communications Horizontal Cabling			27 15

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0697 MLF 6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,279.63	341.03
27 15 13 00-0698 MLF 2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit.....	853.31	341.03
27 15 13 00-0699 MLF 2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit.....	815.60	341.03
27 15 23 Communications Optical Fiber Horizontal Cabling (27 15)		
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
27 15 23 00-0001 Indoor Fiber Optic Cable (27 15 23)		
Note: Distribution cables contain multiple tight-buffered fibers bundled under the same jacket with Kevlar strength members. Break-out cables contain multiple individually reinforced and jacketed simplex cables bundled together.		
27 15 23 00-0002 Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0001)		
Note: Excludes conduit or innerduct.		
27 15 23 00-0003 Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0002)		
27 15 23 00-0004 Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0003)		
27 15 23 00-0005 Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0004)		
27 15 23 00-0006 MLF 1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	929.57	383.97
27 15 23 00-0007 MLF 2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,016.85	383.97
27 15 23 00-0008 MLF 4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,045.99	383.97
27 15 23 00-0009 MLF 6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,149.77	383.97
For Aluminum Armored Cable, Add		869.75
For Steel Armored Cable, Add		3,498.54
27 15 23 00-0010 MLF 8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,179.53	383.97
27 15 23 00-0011 MLF 12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,359.39	383.97
For Aluminum Armored Cable, Add		930.46
For Steel Armored Cable, Add		3,852.43
27 15 23 00-0012 MLF 18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,336.61	447.98
27 15 23 00-0013 MLF 24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,297.39	447.98
For Aluminum Armored Cable With Sub-Units, Add		850.14
For Steel Armored Cable, Add		6,756.16
27 15 23 00-0014 MLF 36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,027.59	447.98
For Aluminum Armored Cable With Sub-Units, Add		783.62
For Steel Armored Cable, Add		7,102.90
27 15 23 00-0015 MLF 48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,169.21	447.98
For Aluminum Armored Cable With Sub-Units, Add		625.94
For Steel Armored Cable, Add		7,425.53
27 15 23 00-0016 MLF 60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,062.29	447.98
27 15 23 00-0017 MLF 72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,299.79	447.98
27 15 23 00-0018 MLF 96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,549.03	447.98
27 15 23 00-0019 MLF 120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,803.18	511.98
27 15 23 00-0020 MLF 144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,506.73	511.98
27 15 23 00-0021 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0004)		
27 15 23 00-0022 MLF 1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	954.71	383.97
27 15 23 00-0023 MLF 2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	991.97	383.97
27 15 23 00-0024 MLF 4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,200.97	383.97
27 15 23 00-0025 MLF 6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,420.97	383.97
For Aluminum Armored Cable, Add		1,002.05
For Steel Armored Cable, Add		1,274.94
27 15 23 00-0026 MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,629.97	383.97
27 15 23 00-0027 MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,058.97	383.97
For Aluminum Armored Cable, Add		1,102.25
For Steel Armored Cable, Add		1,457.82
27 15 23 00-0028 MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,275.63	447.98
27 15 23 00-0029 MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,826.63	447.98
For Aluminum Armored Cable With Sub-Units, Add		829.93
For Steel Armored Cable, Add		829.93
27 15 23 00-0030 MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,366.63	447.98
27 15 23 00-0031 MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,906.63	447.98
For Aluminum Armored Cable With Sub-Units, Add		1,502.57

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0032	MLF	60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,446.63	447.98
27 15 23 00-0033	MLF	72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,986.63	447.98
27 15 23 00-0034	MLF	96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,077.63	447.98
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>	6,010.56	
27 15 23 00-0035	MLF	120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,264.28	511.98
27 15 23 00-0036	MLF	144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	19,344.28	511.98
27 15 23 00-0037 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0004)				
27 15 23 00-0038	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	970.44	383.97
27 15 23 00-0039	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,009.57	383.97
27 15 23 00-0040	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,229.02	383.97
27 15 23 00-0041	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,460.02	383.97
27 15 23 00-0042	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,679.47	383.97
27 15 23 00-0043	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,129.92	383.97
27 15 23 00-0044	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,352.08	447.98
27 15 23 00-0045	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,980.63	447.98
27 15 23 00-0046	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,597.63	447.98
27 15 23 00-0047	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,214.63	447.98
27 15 23 00-0048	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,831.63	447.98
27 15 23 00-0049	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,448.63	447.98
27 15 23 00-0050	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,694.18	447.98
27 15 23 00-0051	MLF	120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	17,034.83	511.98
27 15 23 00-0052	MLF	144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	20,268.83	511.98
27 15 23 00-0053 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0003)				
27 15 23 00-0054 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0053)				
27 15 23 00-0055	MLF	2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,738.50	383.97
27 15 23 00-0056	MLF	4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,064.00	383.97
27 15 23 00-0057	MLF	6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,780.09	383.97
27 15 23 00-0058	MLF	8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,121.84	383.97
27 15 23 00-0059	MLF	12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,450.03	383.97
27 15 23 00-0060	MLF	18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,751.09	447.98
27 15 23 00-0061	MLF	24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,251.08	447.98
27 15 23 00-0062	MLF	36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,226.61	447.98
27 15 23 00-0063	MLF	48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,545.77	447.98
27 15 23 00-0064 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0053)				
27 15 23 00-0065	MLF	2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,831.59	383.97
27 15 23 00-0066	MLF	4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,207.31	383.97
27 15 23 00-0067	MLF	6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,826.77	383.97
27 15 23 00-0068	MLF	8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,747.47	383.97
27 15 23 00-0069	MLF	12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,243.07	383.97
27 15 23 00-0070	MLF	18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,505.23	447.98
27 15 23 00-0071	MLF	24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,084.27	447.98
27 15 23 00-0072	MLF	36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,828.43	447.98
27 15 23 00-0073	MLF	48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,878.63	447.98



Communications			27
Structured Cabling			27 10
Communications Horizontal Cabling			27 15

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0074 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0053)		
27 15 23 00-0075 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,891.17	383.97
27 15 23 00-0076 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,285.67	383.97
27 15 23 00-0077 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,936.11	383.97
27 15 23 00-0078 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,902.85	383.97
27 15 23 00-0079 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,423.22	383.97
27 15 23 00-0080 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,743.16	447.98
27 15 23 00-0081 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,401.15	447.98
27 15 23 00-0082 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,182.52	447.98
27 15 23 00-0083 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,435.23	447.98
27 15 23 00-0084 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0002)		
27 15 23 00-0085 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0084)		
27 15 23 00-0086 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0085)		
27 15 23 00-0087 MLF 1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	959.57	383.97
27 15 23 00-0088 MLF 2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	964.40	383.97
27 15 23 00-0089 MLF 4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,217.58	383.97
27 15 23 00-0090 MLF 6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,247.21	383.97
For Aluminum Armored Cable, Add	851.78	
For Steel Armored Cable, Add	5,172.73	
27 15 23 00-0091 MLF 8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,396.35	383.97
27 15 23 00-0092 MLF 12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,424.25	383.97
For Aluminum Armored Cable, Add	877.95	
For Steel Armored Cable, Add	5,544.37	
27 15 23 00-0093 MLF 18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,303.43	447.98
27 15 23 00-0094 MLF 24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,262.23	447.98
For Aluminum Armored Cable With Sub-Units, Add	-218.87	
For Steel Armored Cable, Add	5,660.23	
27 15 23 00-0095 MLF 36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,800.06	447.98
27 15 23 00-0096 MLF 48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,978.83	447.98
For Aluminum Armored Cable With Sub-Units, Add	-556.89	
For Steel Armored Cable, Add	6,969.56	
27 15 23 00-0097 MLF 60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,433.65	447.98
27 15 23 00-0098 MLF 72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,986.94	447.98
27 15 23 00-0099 MLF 96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,214.98	447.98
27 15 23 00-0100 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0085)		
27 15 23 00-0101 MLF 1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	953.01	383.97
27 15 23 00-0102 MLF 2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,067.30	383.97
27 15 23 00-0103 MLF 4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,329.09	383.97
27 15 23 00-0104 MLF 6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,596.13	383.97
For Aluminum Armored Cable, Add	829.48	
For Steel Armored Cable, Add	1,162.73	
27 15 23 00-0105 MLF 8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,852.00	383.97
27 15 23 00-0106 MLF 12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,074.31	383.97
For Aluminum Armored Cable, Add	1,064.20	
For Steel Armored Cable, Add	1,442.48	
27 15 23 00-0107 MLF 18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,618.54	447.98
27 15 23 00-0108 MLF 24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,517.39	447.98
For Aluminum Armored Cable With Sub-Units, Add	1,612.46	
For Steel Armored Cable, Add	1,612.46	
27 15 23 00-0109 MLF 36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,402.77	447.98
27 15 23 00-0110 MLF 48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,288.15	447.98
For Aluminum Armored Cable With Sub-Units, Add	1,623.58	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0111	MLF	60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,173.53	447.98
27 15 23 00-0112	MLF	72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,058.91	447.98
27 15 23 00-0113	MLF	96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,843.14	447.98
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>	3,245.05	
27 15 23 00-0114		62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0085)		
27 15 23 00-0115	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	968.67	383.97
27 15 23 00-0116	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,088.67	383.97
27 15 23 00-0117	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,363.55	383.97
27 15 23 00-0118	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,643.93	383.97
27 15 23 00-0119	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,912.60	383.97
27 15 23 00-0120	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,146.03	383.97
27 15 23 00-0121	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,712.14	447.98
27 15 23 00-0122	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,705.93	447.98
27 15 23 00-0123	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,685.58	447.98
27 15 23 00-0124	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,665.23	447.98
27 15 23 00-0125	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,644.87	447.98
27 15 23 00-0126	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,624.52	447.98
27 15 23 00-0127	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,597.96	447.98
27 15 23 00-0128		Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0084)		
27 15 23 00-0129		Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0128)		
27 15 23 00-0130	MLF	2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,733.96	383.97
27 15 23 00-0131	MLF	4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,129.99	383.97
27 15 23 00-0132	MLF	6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,082.06	383.97
27 15 23 00-0133	MLF	8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,015.12	383.97
27 15 23 00-0134	MLF	12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,504.26	383.97
27 15 23 00-0135	MLF	18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,274.54	447.98
27 15 23 00-0136	MLF	24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,375.25	447.98
27 15 23 00-0137	MLF	36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,180.45	447.98
27 15 23 00-0138	MLF	48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	20,189.45	447.98
27 15 23 00-0139		50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0128)		
27 15 23 00-0140	MLF	2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,055.53	383.97
27 15 23 00-0141	MLF	4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,760.95	383.97
27 15 23 00-0142	MLF	6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,020.08	383.97
27 15 23 00-0143	MLF	8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,661.81	383.97
27 15 23 00-0144	MLF	12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,714.54	383.97
27 15 23 00-0145	MLF	18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,069.24	447.98
27 15 23 00-0146	MLF	24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,063.83	447.98
27 15 23 00-0147	MLF	36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,678.18	447.98
27 15 23 00-0148	MLF	48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	18,523.07	447.98
27 15 23 00-0149		62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0128)		
27 15 23 00-0150	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,176.31	383.97



Communications			27
Structured Cabling			27 10
Communications Horizontal Cabling			27 15

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0151	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,917.00	383.97
27 15 23 00-0152	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,239.09	383.97
27 15 23 00-0153	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,912.91	383.97
27 15 23 00-0154	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,968.27	383.97
27 15 23 00-0155	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,485.37	447.98
27 15 23 00-0156	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,479.69	447.98
27 15 23 00-0157	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,224.76	447.98
27 15 23 00-0158	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	19,411.89	447.98
27 15 23 00-0159		Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0001) Note: For non-conduit installations such as cable trays, surface runways, etc.		
27 15 23 00-0160		Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0159)		
27 15 23 00-0161		Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0160)		
27 15 23 00-0162		Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0161)		
27 15 23 00-0163	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,142.88	511.98
		For Work In Restricted Working Space, Add	255.98	
27 15 23 00-0164	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,230.16	511.98
		For Work In Restricted Working Space, Add	255.98	
27 15 23 00-0165	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,259.30	511.98
		For Work In Restricted Working Space, Add	255.98	
27 15 23 00-0166	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,363.08	511.98
		For Aluminum Armored Cable, Add	869.75	
		For Steel Armored Cable, Add	3,498.54	
		For Work In Restricted Working Space, Add	255.98	
27 15 23 00-0167	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,392.84	511.98
		For Work In Restricted Working Space, Add	255.98	
27 15 23 00-0168	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,572.70	511.98
		For Aluminum Armored Cable, Add	930.46	
		For Steel Armored Cable, Add	3,852.43	
		For Work In Restricted Working Space, Add	255.98	
27 15 23 00-0169	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,549.93	575.97
		For Work In Restricted Working Space, Add	287.99	
27 15 23 00-0170	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,510.71	575.97
		For Aluminum Armored Cable With Sub-Units, Add	850.14	
		For Steel Armored Cable, Add	6,756.16	
		For Work In Restricted Working Space, Add	287.99	
27 15 23 00-0171	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,240.91	575.97
		For Aluminum Armored Cable With Sub-Units, Add	783.62	
		For Steel Armored Cable, Add	7,102.90	
		For Work In Restricted Working Space, Add	287.99	
27 15 23 00-0172	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,382.53	575.97
		For Aluminum Armored Cable With Sub-Units, Add	825.94	
		For Steel Armored Cable, Add	7,425.53	
		For Work In Restricted Working Space, Add	287.99	
27 15 23 00-0173	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,275.61	575.97
		For Work In Restricted Working Space, Add	287.99	
27 15 23 00-0174	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,513.11	575.97
		For Work In Restricted Working Space, Add	287.99	
27 15 23 00-0175	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,762.35	575.97
		For Work In Restricted Working Space, Add	287.99	
27 15 23 00-0176	MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,016.51	639.97
		For Work In Restricted Working Space, Add	319.98	
27 15 23 00-0177	MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,720.06	639.97
		For Work In Restricted Working Space, Add	319.98	
27 15 23 00-0178		50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0161)		
27 15 23 00-0179	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,168.02	511.98
		For Work In Restricted Working Space, Add	255.98	
27 15 23 00-0180	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,205.28	511.98
		For Work In Restricted Working Space, Add	255.98	
27 15 23 00-0181	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,414.28	511.98
		For Work In Restricted Working Space, Add	255.98	
27 15 23 00-0182	MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,634.28	511.98
		For Aluminum Armored Cable, Add	1,002.05	
		For Steel Armored Cable, Add	1,274.94	
		For Work In Restricted Working Space, Add	255.98	
27 15 23 00-0183	MLF	8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,843.28	511.98
		For Work In Restricted Working Space, Add	255.98	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0184	MLF	12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,272.28 1,102.25 1,457.82 255.98	511.98
27 15 23 00-0185	MLF	18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,488.95 287.99	575.97
27 15 23 00-0186	MLF	24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,039.95 829.93 829.93 287.99	575.97
27 15 23 00-0187	MLF	36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,879.95 287.99	575.97
27 15 23 00-0188	MLF	48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Work In Restricted Working Space, Add</i>	7,119.95 1,502.57 287.99	575.97
27 15 23 00-0189	MLF	60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	8,659.95 287.99	575.97
27 15 23 00-0190	MLF	72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	10,199.95 287.99	575.97
27 15 23 00-0191	MLF	96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Work In Restricted Working Space, Add</i>	13,290.95 6,010.56 287.99	575.97
27 15 23 00-0192	MLF	120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	16,477.61 319.98	639.97
27 15 23 00-0193	MLF	144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	19,557.61 319.98	639.97
27 15 23 00-0194		62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0181)		
27 15 23 00-0195	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,183.75 255.98	511.98
27 15 23 00-0196	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,222.88 255.98	511.98
27 15 23 00-0197	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,442.33 255.98	511.98
27 15 23 00-0198	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,673.33 255.98	511.98
27 15 23 00-0199	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,892.78 255.98	511.98
27 15 23 00-0200	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,343.23 255.98	511.98
27 15 23 00-0201	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,565.40 287.99	575.97
27 15 23 00-0202	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,193.95 287.99	575.97
27 15 23 00-0203	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,810.95 287.99	575.97
27 15 23 00-0204	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,427.95 287.99	575.97
27 15 23 00-0205	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	9,044.95 287.99	575.97
27 15 23 00-0206	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	10,661.95 287.99	575.97
27 15 23 00-0207	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	13,907.50 287.99	575.97
27 15 23 00-0208	MLF	120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	17,248.16 319.98	639.97
27 15 23 00-0209	MLF	144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	20,482.16 319.98	639.97
27 15 23 00-0210		Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0160)		
27 15 23 00-0211		Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0210)		



Communications			27
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0212 MLF 2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed1,951.81 <i>For Work In Restricted Working Space, Add</i> 255.98		511.98
27 15 23 00-0213 MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....2,277.31 <i>For Work In Restricted Working Space, Add</i> 255.98		511.98
27 15 23 00-0214 MLF 6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....2,993.40 <i>For Work In Restricted Working Space, Add</i> 255.98		511.98
27 15 23 00-0215 MLF 8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....3,335.15 <i>For Work In Restricted Working Space, Add</i> 255.98		511.98
27 15 23 00-0216 MLF 12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....5,663.34 <i>For Work In Restricted Working Space, Add</i> 255.98		511.98
27 15 23 00-0217 MLF 18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....5,964.41 <i>For Work In Restricted Working Space, Add</i> 287.99		575.97
27 15 23 00-0218 MLF 24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....7,464.40 <i>For Work In Restricted Working Space, Add</i> 287.99		575.97
27 15 23 00-0219 MLF 36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....10,439.93 <i>For Work In Restricted Working Space, Add</i> 287.99		575.97
27 15 23 00-0220 MLF 48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....12,759.09 <i>For Work In Restricted Working Space, Add</i> 287.99		575.97
27 15 23 00-0221 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0210)		
27 15 23 00-0222 MLF 2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....2,044.90 <i>For Work In Restricted Working Space, Add</i> 255.98		511.98
27 15 23 00-0223 MLF 4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....2,420.62 <i>For Work In Restricted Working Space, Add</i> 255.98		511.98
27 15 23 00-0224 MLF 6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....3,040.08 <i>For Work In Restricted Working Space, Add</i> 255.98		511.98
27 15 23 00-0225 MLF 8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....3,960.78 <i>For Work In Restricted Working Space, Add</i> 255.98		511.98
27 15 23 00-0226 MLF 12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....4,456.38 <i>For Work In Restricted Working Space, Add</i> 255.98		511.98
27 15 23 00-0227 MLF 18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....5,718.55 <i>For Work In Restricted Working Space, Add</i> 287.99		575.97
27 15 23 00-0228 MLF 24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....7,297.59 <i>For Work In Restricted Working Space, Add</i> 287.99		575.97
27 15 23 00-0229 MLF 36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....8,041.75 <i>For Work In Restricted Working Space, Add</i> 287.99		575.97
27 15 23 00-0230 MLF 48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....12,091.95 <i>For Work In Restricted Working Space, Add</i> 287.99		575.97
27 15 23 00-0231 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0210)		
27 15 23 00-0232 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....2,104.48 <i>For Work In Restricted Working Space, Add</i> 255.98		511.98
27 15 23 00-0233 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....2,498.98 <i>For Work In Restricted Working Space, Add</i> 255.98		511.98
27 15 23 00-0234 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....3,149.42 <i>For Work In Restricted Working Space, Add</i> 255.98		511.98
27 15 23 00-0235 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....4,116.16 <i>For Work In Restricted Working Space, Add</i> 255.98		511.98
27 15 23 00-0236 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....4,636.53 <i>For Work In Restricted Working Space, Add</i> 255.98		511.98
27 15 23 00-0237 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....5,956.48 <i>For Work In Restricted Working Space, Add</i> 287.99		575.97
27 15 23 00-0238 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....7,614.47 <i>For Work In Restricted Working Space, Add</i> 287.99		575.97
27 15 23 00-0239 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....8,395.84 <i>For Work In Restricted Working Space, Add</i> 287.99		575.97
27 15 23 00-0240 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....12,648.55 <i>For Work In Restricted Working Space, Add</i> 287.99		575.97
27 15 23 00-0241 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0159)		
27 15 23 00-0242 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0241)		
27 15 23 00-0243 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0242)		
27 15 23 00-0244 MLF 1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....1,172.88 <i>For Work In Restricted Working Space, Add</i> 255.98		511.98
27 15 23 00-0245 MLF 2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....1,177.71 <i>For Work In Restricted Working Space, Add</i> 255.98		511.98
27 15 23 00-0246 MLF 4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....1,430.89 <i>For Work In Restricted Working Space, Add</i> 255.98		511.98

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0247	MLF	6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,460.52	511.98
		<i>For Aluminum Armored Cable, Add</i>	851.78	
		<i>For Steel Armored Cable, Add</i>	5,172.73	
		<i>For Work In Restricted Working Space, Add</i>	255.98	
27 15 23 00-0248	MLF	8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,609.66	511.98
		<i>For Work In Restricted Working Space, Add</i>	255.98	
27 15 23 00-0249	MLF	12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,637.56	511.98
		<i>For Aluminum Armored Cable, Add</i>	877.95	
		<i>For Steel Armored Cable, Add</i>	5,544.37	
		<i>For Work In Restricted Working Space, Add</i>	255.98	
27 15 23 00-0250	MLF	18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,516.75	575.97
		<i>For Work In Restricted Working Space, Add</i>	287.99	
27 15 23 00-0251	MLF	24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,475.55	575.97
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>	-218.87	
		<i>For Steel Armored Cable, Add</i>	5,660.23	
		<i>For Work In Restricted Working Space, Add</i>	287.99	
27 15 23 00-0252	MLF	36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,013.38	575.97
		<i>For Work In Restricted Working Space, Add</i>	287.99	
27 15 23 00-0253	MLF	48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,192.15	575.97
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>	-556.89	
		<i>For Steel Armored Cable, Add</i>	6,969.56	
		<i>For Work In Restricted Working Space, Add</i>	287.99	
27 15 23 00-0254	MLF	60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,646.97	575.97
		<i>For Work In Restricted Working Space, Add</i>	287.99	
27 15 23 00-0255	MLF	72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,200.26	575.97
		<i>For Work In Restricted Working Space, Add</i>	287.99	
27 15 23 00-0256	MLF	96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	13,428.30	575.97
		<i>For Work In Restricted Working Space, Add</i>	287.99	
27 15 23 00-0257		50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0242)		
27 15 23 00-0258	MLF	1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,166.32	511.98
		<i>For Work In Restricted Working Space, Add</i>	255.98	
27 15 23 00-0259	MLF	2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,280.61	511.98
		<i>For Work In Restricted Working Space, Add</i>	255.98	
27 15 23 00-0260	MLF	4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,542.40	511.98
		<i>For Work In Restricted Working Space, Add</i>	255.98	
27 15 23 00-0261	MLF	6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,809.44	511.98
		<i>For Aluminum Armored Cable, Add</i>	829.48	
		<i>For Steel Armored Cable, Add</i>	1,162.73	
		<i>For Work In Restricted Working Space, Add</i>	255.98	
27 15 23 00-0262	MLF	8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,065.31	511.98
		<i>For Work In Restricted Working Space, Add</i>	255.98	
27 15 23 00-0263	MLF	12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,287.62	511.98
		<i>For Aluminum Armored Cable, Add</i>	1,064.20	
		<i>For Steel Armored Cable, Add</i>	1,442.48	
		<i>For Work In Restricted Working Space, Add</i>	255.98	
27 15 23 00-0264	MLF	18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,831.86	575.97
		<i>For Work In Restricted Working Space, Add</i>	287.99	
27 15 23 00-0265	MLF	24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,730.71	575.97
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,612.46	
		<i>For Steel Armored Cable, Add</i>	1,612.46	
		<i>For Work In Restricted Working Space, Add</i>	287.99	
27 15 23 00-0266	MLF	36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,616.09	575.97
		<i>For Work In Restricted Working Space, Add</i>	287.99	
27 15 23 00-0267	MLF	48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,501.47	575.97
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,623.58	
		<i>For Work In Restricted Working Space, Add</i>	287.99	
27 15 23 00-0268	MLF	60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,386.85	575.97
		<i>For Work In Restricted Working Space, Add</i>	287.99	
27 15 23 00-0269	MLF	72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,272.23	575.97
		<i>For Work In Restricted Working Space, Add</i>	287.99	
		<i>For Work In Restricted Working Space, Add</i>	287.99	
27 15 23 00-0270	MLF	96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	16,056.46	575.97
		<i>For Work In Restricted Working Space, Add</i>	287.99	
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>	3,245.05	
		<i>For Work In Restricted Working Space, Add</i>	287.99	
27 15 23 00-0271		62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0242)		



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0272 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,181.98	511.98
For Work In Restricted Working Space, Add	255.98	
27 15 23 00-0273 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,301.98	511.98
For Work In Restricted Working Space, Add	255.98	
27 15 23 00-0274 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,576.86	511.98
For Work In Restricted Working Space, Add	255.98	
27 15 23 00-0275 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,857.24	511.98
For Work In Restricted Working Space, Add	255.98	
27 15 23 00-0276 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,125.91	511.98
For Work In Restricted Working Space, Add	255.98	
27 15 23 00-0277 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,359.34	511.98
For Work In Restricted Working Space, Add	255.98	
27 15 23 00-0278 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,925.46	575.97
For Work In Restricted Working Space, Add	287.99	
27 15 23 00-0279 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,919.25	575.97
For Work In Restricted Working Space, Add	287.99	
27 15 23 00-0280 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,898.90	575.97
For Work In Restricted Working Space, Add	287.99	
27 15 23 00-0281 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,878.55	575.97
For Work In Restricted Working Space, Add	287.99	
27 15 23 00-0282 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,858.19	575.97
For Work In Restricted Working Space, Add	287.99	
27 15 23 00-0283 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,837.84	575.97
For Work In Restricted Working Space, Add	287.99	
27 15 23 00-0284 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	16,811.28	575.97
For Work In Restricted Working Space, Add	287.99	
27 15 23 00-0285 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0281)		
27 15 23 00-0286 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0285)		
27 15 23 00-0287 MLF 2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,947.27	511.98
For Work In Restricted Working Space, Add	255.98	
27 15 23 00-0288 MLF 4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,343.30	511.98
For Work In Restricted Working Space, Add	255.98	
27 15 23 00-0289 MLF 6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,295.37	511.98
For Work In Restricted Working Space, Add	255.98	
27 15 23 00-0290 MLF 8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,228.43	511.98
For Work In Restricted Working Space, Add	255.98	
27 15 23 00-0291 MLF 12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,717.57	511.98
For Work In Restricted Working Space, Add	255.98	
27 15 23 00-0292 MLF 18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,487.86	575.97
For Work In Restricted Working Space, Add	287.99	
27 15 23 00-0293 MLF 24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,588.57	575.97
For Work In Restricted Working Space, Add	287.99	
27 15 23 00-0294 MLF 36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	16,393.77	575.97
For Work In Restricted Working Space, Add	287.99	
27 15 23 00-0295 MLF 48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	20,402.77	575.97
For Work In Restricted Working Space, Add	287.99	
27 15 23 00-0296 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0285)		
27 15 23 00-0297 MLF 2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,268.84	511.98
For Work In Restricted Working Space, Add	255.98	
27 15 23 00-0298 MLF 4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,974.26	511.98
For Work In Restricted Working Space, Add	255.98	
27 15 23 00-0299 MLF 6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,233.39	511.98
For Work In Restricted Working Space, Add	255.98	
27 15 23 00-0300 MLF 8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,875.12	511.98
For Work In Restricted Working Space, Add	255.98	
27 15 23 00-0301 MLF 12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,927.85	511.98
For Work In Restricted Working Space, Add	255.98	
27 15 23 00-0302 MLF 18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,282.56	575.97
For Work In Restricted Working Space, Add	287.99	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0303	MLF	24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,277.15	575.97
		<i>For Work In Restricted Working Space, Add</i>	287.99	
27 15 23 00-0304	MLF	36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	11,891.50	575.97
		<i>For Work In Restricted Working Space, Add</i>	287.99	
27 15 23 00-0305	MLF	48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	18,736.39	575.97
		<i>For Work In Restricted Working Space, Add</i>	287.99	
27 15 23 00-0306 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0285)				
27 15 23 00-0307	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,389.62	511.98
		<i>For Work In Restricted Working Space, Add</i>	255.98	
27 15 23 00-0308	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,130.31	511.98
		<i>For Work In Restricted Working Space, Add</i>	255.98	
27 15 23 00-0309	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,452.40	511.98
		<i>For Work In Restricted Working Space, Add</i>	255.98	
27 15 23 00-0310	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,126.22	511.98
		<i>For Work In Restricted Working Space, Add</i>	255.98	
27 15 23 00-0311	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,181.58	511.98
		<i>For Work In Restricted Working Space, Add</i>	255.98	
27 15 23 00-0312	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,698.69	575.97
		<i>For Work In Restricted Working Space, Add</i>	287.99	
27 15 23 00-0313	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,693.01	575.97
		<i>For Work In Restricted Working Space, Add</i>	287.99	
27 15 23 00-0314	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,438.08	575.97
		<i>For Work In Restricted Working Space, Add</i>	287.99	
27 15 23 00-0315	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	19,625.21	575.97
		<i>For Work In Restricted Working Space, Add</i>	287.99	
27 15 23 00-0316 Hybrid, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0001)				
Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.				
27 15 23 00-0317 Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0316)				
27 15 23 00-0318	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	1,349.28	383.97
27 15 23 00-0319	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	2,308.60	383.97
27 15 23 00-0320	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	5,369.11	447.98
27 15 23 00-0321	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	8,486.66	447.98
27 15 23 00-0322 Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0316)				
27 15 23 00-0323	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	1,614.67	383.97
27 15 23 00-0324	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	2,345.94	383.97
27 15 23 00-0325	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	6,380.07	447.98
27 15 23 00-0326	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	11,034.13	447.98
27 15 23 00-0327 Hybrid, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0001)				
Note: Singlemode and multimode combination cable. For non-conduit installations such as cable trays, surface runways, etc.				
27 15 23 00-0328 Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0327)				
27 15 23 00-0329	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	1,562.59	511.98
		<i>For Work In Restricted Working Space, Add</i>	255.98	
27 15 23 00-0330	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	2,521.91	511.98
		<i>For Work In Restricted Working Space, Add</i>	255.98	
27 15 23 00-0331	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	5,582.43	575.97
		<i>For Work In Restricted Working Space, Add</i>	287.99	



Communications			27
Structured Cabling			27 10
Communications Horizontal Cabling			27 15

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0332	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... For Work In Restricted Working Space, Add	8,699.98 287.99	575.97
27 15 23 00-0333 Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0327)				
27 15 23 00-0334	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... For Work In Restricted Working Space, Add	1,827.98 255.98	511.98
27 15 23 00-0335	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... For Work In Restricted Working Space, Add	2,559.25 255.98	511.98
27 15 23 00-0336	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... For Work In Restricted Working Space, Add	6,593.39 287.99	575.97
27 15 23 00-0337	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... For Work In Restricted Working Space, Add	11,247.45 287.99	575.97
27 15 23 00-0338 Outdoor Fiber Optic Cable (27 15 23)				
Note: Cable buried in trench excludes excavation.				
27 15 23 00-0339 Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0338)				
Note: Excludes conduit or innerduct.				
27 15 23 00-0340 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0339)				
27 15 23 00-0341 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0340)				
27 15 23 00-0342	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit For Corrugated Coated Steel Tape Armored Cable, Add	1,799.69 253.89	767.96
27 15 23 00-0343	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit For Corrugated Coated Steel Tape Armored Cable, Add	1,831.30 255.99	767.96
27 15 23 00-0344	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit For Corrugated Coated Steel Tape Armored Cable, Add	1,862.95 258.02	767.96
27 15 23 00-0345	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit For Corrugated Coated Steel Tape Armored Cable, Add	1,894.58 260.50	767.96
27 15 23 00-0346	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit For Corrugated Coated Steel Tape Armored Cable, Add	1,957.43 235.71	767.96
27 15 23 00-0347	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit For Corrugated Coated Steel Tape Armored Cable, Add	2,085.99 262.62	767.96
27 15 23 00-0348	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit For Corrugated Coated Steel Tape Armored Cable, Add	2,152.08 206.74	767.96
27 15 23 00-0349	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit For Corrugated Coated Steel Tape Armored Cable, Add	2,172.47 241.65	767.96
27 15 23 00-0350	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit For Corrugated Coated Steel Tape Armored Cable, Add	2,550.68 265.86	767.96
27 15 23 00-0351	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit For Corrugated Coated Steel Tape Armored Cable, Add	2,759.19 265.83	767.96
27 15 23 00-0352	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit For Corrugated Coated Steel Tape Armored Cable, Add	3,029.73 314.19	767.96
27 15 23 00-0353	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit For Corrugated Coated Steel Tape Armored Cable, Add	3,505.99 301.65	767.96
27 15 23 00-0354	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit For Corrugated Coated Steel Tape Armored Cable, Add	4,026.38 366.30	767.96
27 15 23 00-0355	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit For Corrugated Coated Steel Tape Armored Cable, Add	4,571.02 245.20	767.96
27 15 23 00-0356 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0340)				
27 15 23 00-0357	MLF	2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit For Corrugated Coated Steel Tape Armored Cable, Add	2,093.93 44.00	767.96
27 15 23 00-0358	MLF	4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit For Corrugated Coated Steel Tape Armored Cable, Add	2,140.13 74.80	767.96
27 15 23 00-0359	MLF	6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit For Corrugated Coated Steel Tape Armored Cable, Add	2,236.93 121.00	767.96
27 15 23 00-0360	MLF	8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit For Corrugated Coated Steel Tape Armored Cable, Add	2,368.93 22.00	767.96
27 15 23 00-0361	MLF	12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit For Corrugated Coated Steel Tape Armored Cable, Add	2,423.93 44.00	767.96
27 15 23 00-0362	MLF	18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit For Corrugated Coated Steel Tape Armored Cable, Add	2,610.93 66.00	767.96
27 15 23 00-0363	MLF	24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit For Corrugated Coated Steel Tape Armored Cable, Add	3,006.93 44.00	767.96
27 15 23 00-0364	MLF	36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit For Corrugated Coated Steel Tape Armored Cable, Add	3,589.93 132.00	767.96
27 15 23 00-0365	MLF	48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit For Corrugated Coated Steel Tape Armored Cable, Add	4,238.93 44.00	767.96
27 15 23 00-0366	MLF	60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit For Corrugated Coated Steel Tape Armored Cable, Add	4,689.93 132.00	767.96

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0367 MLF 72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,272.93 517.00	767.96
27 15 23 00-0368 MLF 96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,625.93 176.00	767.96
27 15 23 00-0369 MLF 120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,967.93 209.00	767.96
27 15 23 00-0370 MLF 144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,309.93 253.00	767.96
27 15 23 00-0371 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0340)		
27 15 23 00-0372 MLF 2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,580.38 108.57	767.96
27 15 23 00-0373 MLF 4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,684.76 116.43	767.96
27 15 23 00-0374 MLF 6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,788.98 124.10	767.96
27 15 23 00-0375 MLF 8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,917.74 141.28	767.96
27 15 23 00-0376 MLF 12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,102.13 147.32	767.96
27 15 23 00-0377 MLF 18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,428.13 157.01	767.96
27 15 23 00-0378 MLF 24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,736.94 180.56	767.96
27 15 23 00-0379 MLF 36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,327.97 200.65	767.96
27 15 23 00-0380 MLF 48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,019.25 230.71	767.96
27 15 23 00-0381 MLF 60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,657.74 248.25	767.96
27 15 23 00-0382 MLF 72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,331.64 280.98	767.96
27 15 23 00-0383 MLF 96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,694.62 315.93	767.96
27 15 23 00-0384 MLF 120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,079.48 358.54	767.96
27 15 23 00-0385 MLF 144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,485.71 329.34	767.96
27 15 23 00-0386 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0339)		
27 15 23 00-0387 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0386)		
27 15 23 00-0388 MLF 2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,980.70 200.63	767.96
27 15 23 00-0389 MLF 4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,042.34 287.97	767.96
27 15 23 00-0390 MLF 6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,060.84 275.98	767.96
27 15 23 00-0391 MLF 8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,134.67 229.74	767.96
27 15 23 00-0392 MLF 12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,157.71 274.58	767.96
27 15 23 00-0393 MLF 18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,261.19 260.42	767.96
27 15 23 00-0394 MLF 24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,353.96 263.51	767.96
27 15 23 00-0395 MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,501.97 334.16	767.96
27 15 23 00-0396 MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,710.48 338.52	767.96
27 15 23 00-0397 MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,918.19 350.70	767.96
27 15 23 00-0398 MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,199.79 301.66	767.96
27 15 23 00-0399 MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,655.28 393.42	767.96
27 15 23 00-0400 MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,251.19 387.39	767.96
27 15 23 00-0401 MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,738.84 309.44	767.96
27 15 23 00-0402 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0386)		
27 15 23 00-0403 MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,188.49 283.92	767.96
27 15 23 00-0404 MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,404.27 159.00	767.96



Communications			27
Structured Cabling			27 10
Communications Horizontal Cabling			27 15

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0405 MLF 6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,688.20 34.07	767.96
27 15 23 00-0406 MLF 8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,824.48 56.78	767.96
27 15 23 00-0407 MLF 12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,960.77 56.78	767.96
27 15 23 00-0408 MLF 18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,278.76 68.14	767.96
27 15 23 00-0409 MLF 24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,562.69 261.21	767.96
27 15 23 00-0410 MLF 36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,175.97 511.06	767.96
27 15 23 00-0411 MLF 48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,789.24 851.78	767.96
27 15 23 00-0412 MLF 60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,300.31 936.95	767.96
27 15 23 00-0413 MLF 72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,970.37 1,192.48	767.96
27 15 23 00-0414 MLF 96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,367.28 1,760.34	767.96
27 15 23 00-0415 MLF 120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,071.42 1,328.77	767.96
27 15 23 00-0416 MLF 144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,877.18 3,236.74	767.96
27 15 23 00-0417 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0386)		
27 15 23 00-0418 MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,650.86 136.28	767.96
27 15 23 00-0419 MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,753.08 147.32	767.96
27 15 23 00-0420 MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,855.12 158.35	767.96
27 15 23 00-0421 MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,957.33 169.36	767.96
27 15 23 00-0422 MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,222.11 182.17	767.96
27 15 23 00-0423 MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,481.74 213.47	767.96
27 15 23 00-0424 MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,799.88 231.86	767.96
27 15 23 00-0425 MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,415.67 286.48	767.96
27 15 23 00-0426 MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,042.97 328.23	767.96
27 15 23 00-0427 MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,672.44 365.50	767.96
27 15 23 00-0428 MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,334.31 407.59	767.96
27 15 23 00-0429 MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,677.42 480.60	767.96
27 15 23 00-0430 MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,410.99 496.83	767.96
27 15 23 00-0431 MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,426.93 512.88	767.96
27 15 23 00-0432 Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0338) Note: Excludes trenching.		
27 15 23 00-0433 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0432)		
27 15 23 00-0434 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0433)		
27 15 23 00-0435 MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,693.03 253.89	
27 15 23 00-0436 MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,724.64 255.99	
27 15 23 00-0437 MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,756.29 258.02	
27 15 23 00-0438 MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,787.92 260.50	
27 15 23 00-0439 MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,850.77 235.71	
27 15 23 00-0440 MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,979.33 262.62	
27 15 23 00-0441 MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,045.42 206.74	
27 15 23 00-0442 MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,065.81 241.65	
27 15 23 00-0443 MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,444.02 265.86	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0444	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,918.36 265.83	
27 15 23 00-0445	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,237.26 314.19	
27 15 23 00-0446	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,399.33 301.65	
27 15 23 00-0447	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,919.72 366.30	
27 15 23 00-0448	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,464.36 245.20	
27 15 23 00-0449 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0433)				
27 15 23 00-0450	MLF	2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,987.27 44.00	
27 15 23 00-0451	MLF	4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,033.47 74.80	
27 15 23 00-0452	MLF	6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,130.27 121.00	
27 15 23 00-0453	MLF	8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,262.27 22.00	
27 15 23 00-0454	MLF	12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,317.27 44.00	
27 15 23 00-0455	MLF	18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,504.27 66.00	
27 15 23 00-0456	MLF	24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,900.27 44.00	
27 15 23 00-0457	MLF	36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,483.27 132.00	
27 15 23 00-0458	MLF	48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,132.27 44.00	
27 15 23 00-0459	MLF	60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,583.27 132.00	
27 15 23 00-0460	MLF	72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,166.27 517.00	
27 15 23 00-0461	MLF	96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,519.27 176.00	
27 15 23 00-0462	MLF	120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,861.27 209.00	
27 15 23 00-0463	MLF	144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,203.27 253.00	
27 15 23 00-0464 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0433)				
27 15 23 00-0465	MLF	2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,473.72 108.57	
27 15 23 00-0466	MLF	4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,578.10 116.43	
27 15 23 00-0467	MLF	6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,682.32 124.10	
27 15 23 00-0468	MLF	8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,811.08 141.28	
27 15 23 00-0469	MLF	12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,995.47 147.32	
27 15 23 00-0470	MLF	18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,321.47 157.01	
27 15 23 00-0471	MLF	24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,630.28 180.56	
27 15 23 00-0472	MLF	36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,221.31 200.65	
27 15 23 00-0473	MLF	48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,912.59 230.71	
27 15 23 00-0474	MLF	60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,551.08 248.25	
27 15 23 00-0475	MLF	72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,224.98 280.98	
27 15 23 00-0476	MLF	96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,587.96 315.93	
27 15 23 00-0477	MLF	120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,972.82 358.54	
27 15 23 00-0478	MLF	144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,379.05 329.34	
27 15 23 00-0479 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0432)				
27 15 23 00-0480 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0479)				
27 15 23 00-0481	MLF	2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,874.04 200.63	



Communications			27
Structured Cabling			27 10
Communications Horizontal Cabling			27 15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0482	MLF	4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,935.68 287.97	
27 15 23 00-0483	MLF	6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,954.18 275.98	
27 15 23 00-0484	MLF	8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,028.01 229.74	
27 15 23 00-0485	MLF	12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,051.05 274.58	
27 15 23 00-0486	MLF	18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,154.53 260.42	
27 15 23 00-0487	MLF	24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,247.30 263.51	
27 15 23 00-0488	MLF	36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,395.31 334.16	
27 15 23 00-0489	MLF	48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,603.82 338.52	
27 15 23 00-0490	MLF	60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,811.53 350.70	
27 15 23 00-0491	MLF	72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,093.13 301.66	
27 15 23 00-0492	MLF	96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,548.62 393.42	
27 15 23 00-0493	MLF	120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,144.53 387.39	
27 15 23 00-0494	MLF	144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,632.18 309.44	
27 15 23 00-0495		50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0479)		
27 15 23 00-0496	MLF	2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,081.83 283.92	
27 15 23 00-0497	MLF	4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,297.61 159.00	
27 15 23 00-0498	MLF	6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,581.54 34.07	
27 15 23 00-0499	MLF	8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,717.82 56.78	
27 15 23 00-0500	MLF	12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,854.11 56.78	
27 15 23 00-0501	MLF	18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,172.10 68.14	
27 15 23 00-0502	MLF	24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,456.03 261.21	
27 15 23 00-0503	MLF	36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,069.31 511.06	
27 15 23 00-0504	MLF	48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,682.58 851.78	
27 15 23 00-0505	MLF	60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,193.65 936.95	
27 15 23 00-0506	MLF	72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,863.71 1,192.48	
27 15 23 00-0507	MLF	96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,260.62 1,760.34	
27 15 23 00-0508	MLF	120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,964.76 1,328.77	
27 15 23 00-0509	MLF	144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,770.52 3,236.74	
27 15 23 00-0510		62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0479)		
27 15 23 00-0511	MLF	2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,544.20 136.28	
27 15 23 00-0512	MLF	4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,646.42 147.32	
27 15 23 00-0513	MLF	6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,748.46 158.35	
27 15 23 00-0514	MLF	8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,850.67 169.36	
27 15 23 00-0515	MLF	12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,115.45 182.17	
27 15 23 00-0516	MLF	18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,375.08 213.47	
27 15 23 00-0517	MLF	24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,693.22 231.86	
27 15 23 00-0518	MLF	36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,309.01 286.48	
27 15 23 00-0519	MLF	48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,936.31 328.23	
27 15 23 00-0520	MLF	60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,565.78 365.50	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0521	MLF	72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,227.65 407.59	
27 15 23 00-0522	MLF	96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,570.76 480.60	
27 15 23 00-0523	MLF	120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,001.71 496.83	
27 15 23 00-0524	MLF	144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,320.27 512.88	
27 15 23 00-0525		(Aerial) Outdoor Fiber Optic Cable, Installed On Poles (27 15 23 00-0338)		
27 15 23 00-0526		Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles (27 15 23 00-0525)		
27 15 23 00-0527		Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles (27 15 23 00-0526)		
27 15 23 00-0528	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,444.60 169.81	2,889.65
27 15 23 00-0529	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,476.00 174.20	2,889.65
27 15 23 00-0530	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,507.82 178.49	2,889.65
27 15 23 00-0531	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,539.24 175.07	2,889.65
27 15 23 00-0532	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,602.07 204.10	2,889.65
27 15 23 00-0533	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,726.16 212.18	2,889.65
27 15 23 00-0534	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,820.80 234.52	2,889.65
27 15 23 00-0535	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,045.80 224.87	2,889.65
27 15 23 00-0536	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,242.57 261.25	2,889.65
27 15 23 00-0537	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,405.24 250.51	2,889.65
27 15 23 00-0538	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,608.16 286.41	2,889.65
27 15 23 00-0539	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,140.72 290.90	2,889.65
27 15 23 00-0540	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,712.10 347.12	2,889.65
27 15 23 00-0541	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,849.08 372.73	2,889.65
27 15 23 00-0542		Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0338) Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 15 23 00-0543		Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0542)		
27 15 23 00-0544	MLF	12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,473.81 250.51	639.97
27 15 23 00-0545	MLF	24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,393.28 286.41	639.97
27 15 23 00-0546	MLF	48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,441.55 372.73	639.97
27 15 23 00-0547		Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0542)		
27 15 23 00-0548	MLF	12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,646.55 250.51	639.97
27 15 23 00-0549	MLF	24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,169.08 286.41	639.97
27 15 23 00-0550	MLF	48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,454.74 372.73	639.97
27 15 23 00-0551		Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0338) Note: Singlemode and multimode combination cable. Excludes trenching.		
27 15 23 00-0552		Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0551)		
27 15 23 00-0553	MLF	12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,367.15 250.51	586.63
27 15 23 00-0554	MLF	24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,286.62 286.41	586.63
27 15 23 00-0555	MLF	48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,334.89 372.73	586.63
27 15 23 00-0556		Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0551)		
27 15 23 00-0557	MLF	12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,539.89 250.51	586.63
27 15 23 00-0558	MLF	24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,062.42 286.41	586.63



Communications			27
Structured Cabling			27 10
Communications Horizontal Cabling			27 15

27

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0559 MLF 48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	7,348.08	586.63
27 15 33 Communications Coaxial Horizontal Cabling (27 15)		
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
27 15 33 00-0001 Indoor Coaxial Cable (27 15 33)		
27 15 33 00-0002 Coaxial, Indoor Telecommunications Cable (27 15 33 00-0001)		
27 15 33 00-0003 Coaxial, Indoor Telecommunications Cable, Installed In Conduit (27 15 33 00-0002)		
27 15 33 00-0004 MLF RG 59/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9108).....	1,220.40	447.98
27 15 33 00-0005 MLF RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82108).....	2,571.73	447.98
27 15 33 00-0006 MLF RG 6/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9114).....	1,081.42	511.98
27 15 33 00-0007 MLF RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82120).....	3,210.71	511.98
27 15 33 00-0008 Coaxial, Indoor Telecommunications Cable, Installed Exposed (27 15 33 00-0002)		
27 15 33 00-0009 MLF RG 59/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9108).....	1,967.02	895.95
For Work In Restricted Working Space, Add	447.98	
27 15 33 00-0010 MLF RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82108).....	3,318.35	895.95
For Work In Restricted Working Space, Add	447.98	
27 15 33 00-0011 MLF RG 6/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9114).....	1,934.71	1,023.94
For Work In Restricted Working Space, Add	511.97	
27 15 33 00-0012 MLF RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82120).....	4,064.00	1,023.94
For Work In Restricted Working Space, Add	511.97	
27 15 33 00-0013 Coaxial Distribution Cable (27 15 33 00-0001)		
Note: Cables shall be as Belden, Times Fiber, West Penn or approved equal		
27 15 33 00-0014 MLF RG-6/U Coaxial Distribution Cable, In Conduit.....	1,872.67	311.80
27 15 33 00-0015 MLF RG-6A/U Coaxial Distribution Cable, In Conduit.....	6,418.40	311.80
27 15 33 00-0016 MLF RG-8/U Coaxial Distribution Cable, In Conduit.....	3,481.67	329.34
27 15 33 00-0017 MLF RG-8A/U Coaxial Distribution Cable, In Conduit.....	4,335.55	329.34
27 15 33 00-0018 MLF RG-11/U Coaxial Distribution Cable, In Conduit.....	3,914.70	389.75
27 15 33 00-0019 MLF RG-11A/U Coaxial Distribution Cable, In Conduit.....	5,566.04	389.75
27 15 33 00-0020 MLF RG-11/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	11,859.63	545.65
27 15 33 00-0021 MLF RG-58/U Coaxial Distribution Cable, In Conduit.....	1,407.05	272.83
27 15 33 00-0022 MLF RG-58A/U Coaxial Distribution Cable, In Conduit.....	1,576.26	272.83
27 15 33 00-0023 MLF RG-58C/U Coaxial Distribution Cable, In Conduit.....	1,874.32	272.83
27 15 33 00-0024 MLF RG-58/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	4,503.28	545.65
27 15 33 00-0025 MLF RG-59/U Coaxial Distribution Cable, In Conduit.....	2,197.55	272.83
27 15 33 00-0026 MLF RG-59/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	5,390.13	545.65
27 15 33 00-0027 MLF 1/2" Hard Line Coaxial, In Conduit.....	1,937.94	389.75
27 15 33 00-0028 Outdoor Coaxial Cable (27 15 33)		
27 15 33 00-0029 Coaxial Cables "Television" Copper Covered Aluminum Center Core (27 15 33 00-0028)		
Note: Corrugated steel armor jacket.		
27 15 33 00-0030 MLF TV Coaxial Trunk Cable 3/4" Diameter, Direct Burial.....	5,528.55	1,458.85
27 15 33 00-0031 MLF TV Coaxial Distribution Cable 1/2" Diameter, Direct Burial.....	3,530.45	1,026.12
27 15 33 00-0032 MLF TV Coaxial Distribution Cable 3/8" Diameter, Direct Burial.....	2,872.73	605.39
27 15 33 00-0033 MLF TV Coaxial Cable Drop 1/4" Diameter, Direct Burial.....	1,687.48	605.39
27 15 33 00-0034 MLF 1/4" Diameter, TV Coaxial Cable Drop, Installed In Conduit.....	2,538.85	945.93
27 15 43 Communications Faceplates and Connectors (27 15)		
27 15 43 00-0001 Wall Mounted Telephone Faceplates (27 15 43)		
Note: Includes standard telephone mounting studs.		
27 15 43 00-0002 Plastic Faceplates For Wall Mounted Telephones (27 15 43 00-0001)		
27 15 43 00-0003 EA Single Gang, 6-Position RJ25 Jack, Flush, Plastic Faceplate For Wall Mounted Telephones.....	35.00	13.33
27 15 43 00-0004 Stainless Steel Faceplates For Wall Mounted Telephones (27 15 43 00-0001)		
27 15 43 00-0005 EA Single Gang, Keystone Opening, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	27.05	5.33
Note: Requires one snap-in modular jack.		
27 15 43 00-0006 EA Single Gang, 6-Position RJ25 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	48.80	13.33
27 15 43 00-0007 EA Single Gang, 8-Position RJ45 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	57.00	16.00
27 15 43 00-0008 EA Single Gang, Keystone Opening, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones.....	26.10	5.33
Note: Requires one snap-in modular jack.		
27 15 43 00-0009 EA Single Gang, 6-Position RJ25 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones.....	44.75	13.33
27 15 43 00-0010 EA Single Gang, 8-Position RJ45 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones.....	53.06	16.00
27 15 43 00-0011 Plastic Communications Faceplates (27 15 43)		
Note: Excludes modular jacks. See CSI section 27 15 43 00-0051 for modular jacks.		
27 15 43 00-0012 EA One Port, Single Gang, Plastic Communication Faceplate With Station ID.....	7.97	2.67
27 15 43 00-0013 EA Two Port, Single Gang, Plastic Communication Faceplate With Station ID.....	7.97	2.67

27	Communications
27 10	Structured Cabling
27 15	Communications Horizontal Cabling



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 15 43 00-0014	EA	Three Port, Single Gang, Plastic Communication Faceplate With Station ID	7.97	2.67
27 15 43 00-0015	EA	Four Port, Single Gang, Plastic Communication Faceplate With Station ID	7.97	2.67
27 15 43 00-0016	EA	Six Port, Single Gang, Plastic Communication Faceplate With Station ID	7.97	2.67
27 15 43 00-0017	EA	Four Port, Double Gang, Plastic Communications Faceplate With Station ID	12.33	2.67
27 15 43 00-0018	EA	Six Port, Double Gang, Plastic Communication Faceplate With Station ID	12.33	2.67
27 15 43 00-0019	EA	Eight Port, Double Gang, Plastic Communication Faceplate With Station ID	12.33	2.67
27 15 43 00-0020	EA	Nine Port, Double Gang, Plastic Communication Faceplate With Station ID	12.33	2.67
27 15 43 00-0021	EA	Twelve Port, Double Gang, Plastic Communication Faceplate With Station ID	12.33	2.67

27 15 43 00-0022 Stainless Steel Communications Faceplates (27 15 43)

Note: Excludes modular jacks. See CSI section 27 15 43 00-0051 for modular jacks.

27 15 43 00-0023 Stainless Steel Communications Faceplates (27 15 43 00-0022)

27 15 43 00-0024	EA	One Port, Single Gang, Stainless Steel Communications Faceplate	14.35	2.67
27 15 43 00-0025	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate	14.35	2.67
27 15 43 00-0026	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate	14.35	2.67
27 15 43 00-0027	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate	15.29	2.67
27 15 43 00-0028	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate	15.29	2.67
27 15 43 00-0029	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate	20.32	2.67
27 15 43 00-0030	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate	20.90	2.67
27 15 43 00-0031	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate	24.06	2.67
27 15 43 00-0032	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate	24.06	2.67
27 15 43 00-0033	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate	24.06	2.67

27 15 43 00-0034 Stainless Steel Communications Faceplates With Station ID (27 15 43 00-0022)

27 15 43 00-0035	EA	One Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	20.20	2.67
27 15 43 00-0036	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	20.20	2.67
27 15 43 00-0037	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	20.20	2.67
27 15 43 00-0038	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	20.20	2.67
27 15 43 00-0039	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	20.20	2.67
27 15 43 00-0040	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	42.55	2.67
27 15 43 00-0041	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	42.55	2.67
27 15 43 00-0042	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	42.55	2.67
27 15 43 00-0043	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate With Station ID	42.55	2.67
27 15 43 00-0044	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	42.55	2.67

27 15 43 00-0045 Surface Mount Plastic Communication Boxes (27 15 43)

Note: Excludes modular jacks. See CSI section 27 15 43 00-0051 for modular jacks.

27 15 43 00-0046	EA	One Port, Surface Mount Plastic Communication Box With Station ID	30.06	13.36
27 15 43 00-0047	EA	Two Port, Surface Mount Plastic Communication Box With Station ID	30.64	13.36
27 15 43 00-0048	EA	Four Port, Surface Mount Plastic Communication Box With Station ID	34.68	13.36
27 15 43 00-0049	EA	Six Port, Surface Mount Plastic Communication Box With Station ID	39.48	13.36
27 15 43 00-0050	EA	Twelve Port, Surface Mount Plastic Communication Box With Station ID	44.51	13.36

27 15 43 00-0051 Snap-In Modular Jacks (27 15 43)

Note: Includes termination.

27 15 43 00-0052	EA	Cat 3, Snap-In Modular Jack	28.04	10.69
27 15 43 00-0053	EA	Cat 5E, Snap-In Modular Jack	29.33	10.69
27 15 43 00-0054	EA	Cat 5E Shielded, Snap-In Modular Jack	33.19	10.69
27 15 43 00-0055	EA	Cat 6, Snap-In Modular Jack	33.19	10.69
27 15 43 00-0056	EA	Cat 6 Shielded, Snap-In Modular Jack	37.52	10.69
27 15 43 00-0057	EA	Cat 6A, Snap-In Modular Jack	38.17	10.69
27 15 43 00-0058	EA	Voice, RJ-11, Snap-In Modular Jack	18.70	5.34
27 15 43 00-0059	EA	SC Type Fiber Optic, Snap-In Modular Jack	30.97	10.69
27 15 43 00-0060	EA	ST Type Fiber Optic, Snap-In Modular Jack	34.24	10.69
27 15 43 00-0061	EA	LC Type Fiber Optic, Snap-In Modular Jack	40.68	10.69
27 15 43 00-0062	EA	Blank Fill In, Snap-In Modular Jack	5.95	2.67
27 15 43 00-0063	EA	Open Cable Pass Through Insert, Snap-In Modular Jack	6.75	2.67
27 15 43 00-0064	EA	Coaxial F-Type Coupler, Snap-In Modular Jack	23.17	8.01

Note: Includes female to female connection.

For Gold Bulkhead, Add

1.25

27 15 43 00-0065	EA	RCA Jack Pass-Through Coupler, Snap-In Modular Jack	23.40	8.01
		Note: Includes female to female connection.		
27 15 43 00-0066	EA	RCA Solder Coupler, Snap-In Modular Jack	48.25	10.69
27 15 43 00-0067	EA	RCA Jack With 110 Punch Down, Snap-In Modular Jack	57.73	10.69
27 15 43 00-0068	EA	3.5 m Mini Stereo Jack, Snap-In Modular Jack	28.98	10.69
27 15 43 00-0069	EA	MT-RJ Pass-Through Coupler, Snap-In Modular Jack	28.80	5.34
27 15 43 00-0070	EA	BNC Connector, Snap-In Modular Jack	32.84	10.69
27 15 43 00-0071	EA	S-Video With 110 Punch Down, Snap-In Modular Jack	36.35	10.69
27 15 43 00-0072	PR	Speaker Connectors, Snap-In Modular Jack	49.09	16.03
		Note: Includes a pair of binding posts, banana jacks or spring clip connectors. Requires two open ports.		
27 15 43 00-0073	EA	USB Audio Video Connector, Snap-In Modular Jack	52.50	10.69

27 15 53 Communications Cable Innerduct (27 15)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.



Communications			27
Structured Cabling			27 10
Communications Horizontal Cabling			27 15

27

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 53 00-0001 Indoor Innerduct (27 15 53)		
27 15 53 00-0002 Indoor Innerduct, Installed In Conduit (27 15 53 00-0001)		
27 15 53 00-0003 Riser Rated, Indoor Innerduct, Installed In Conduit (27 15 53 00-0002)		
27 15 53 00-0004 MLF 1" Riser Rated, Indoor Innerduct, Installed In Conduit	3,962.79	1,599.91
27 15 53 00-0005 MLF 1-1/4" Riser Rated, Indoor Innerduct, Installed In Conduit	5,159.27	2,133.22
27 15 53 00-0006 MLF 1-1/2" Riser Rated, Indoor Innerduct, Installed In Conduit	6,777.81	2,666.52
27 15 53 00-0007 MLF 2" Riser Rated, Indoor Innerduct, Installed In Conduit	7,958.06	3,199.82
27 15 53 00-0008 Plenum Rated, Indoor Innerduct, Installed In Conduit (27 15 53 00-0002)		
27 15 53 00-0009 MLF 3/4" Plenum Rated, Indoor Innerduct, Installed In Conduit	5,382.62	1,066.61
27 15 53 00-0010 MLF 1" Plenum Rated, Indoor Innerduct, Installed In Conduit	6,052.00	1,599.91
27 15 53 00-0011 MLF 1-1/4" Plenum Rated, Indoor Innerduct, Installed In Conduit	7,701.19	2,133.22
27 15 53 00-0012 MLF 1-1/2" Plenum Rated, Indoor Innerduct, Installed In Conduit	9,860.12	2,666.52
27 15 53 00-0013 MLF 2" Plenum Rated, Indoor Innerduct, Installed In Conduit	11,861.28	3,199.82
27 15 53 00-0014 Indoor Innerduct, Installed Exposed (27 15 53 00-0001)		
27 15 53 00-0015 Riser Rated, Indoor Innerduct, Installed Exposed (27 15 53 00-0014)		
27 15 53 00-0016 MLF 1" Riser Rated, Indoor Innerduct, Installed Exposed.....	5,029.40	2,133.22
For Work In Restricted Working Space, Add	1,279.93	
27 15 53 00-0017 MLF 1-1/4" Riser Rated, Indoor Innerduct, Installed Exposed	6,225.88	2,666.52
For Work In Restricted Working Space, Add	1,599.91	
27 15 53 00-0018 MLF 1-1/2" Riser Rated, Indoor Innerduct, Installed Exposed	7,844.42	3,199.82
For Work In Restricted Working Space, Add	1,919.90	
27 15 53 00-0019 MLF 2" Riser Rated, Indoor Innerduct, Installed Exposed.....	9,024.66	3,733.13
For Work In Restricted Working Space, Add	2,239.88	
27 15 53 00-0020 Plenum Rated, Indoor Innerduct, Installed Exposed (27 15 53 00-0014)		
27 15 53 00-0021 MLF 3/4" Plenum Rated, Indoor Innerduct, Installed Exposed	6,449.23	1,599.91
27 15 53 00-0022 MLF 1" Plenum Rated, Indoor Innerduct, Installed Exposed.....	7,118.61	2,133.22
For Work In Restricted Working Space, Add	1,279.93	
27 15 53 00-0023 MLF 1-1/4" Plenum Rated, Indoor Innerduct, Installed Exposed	8,767.80	2,666.52
For Work In Restricted Working Space, Add	1,599.91	
27 15 53 00-0024 MLF 1-1/2" Plenum Rated, Indoor Innerduct, Installed Exposed	10,926.73	3,199.82
For Work In Restricted Working Space, Add	1,919.90	
27 15 53 00-0025 MLF 2" Plenum Rated, Indoor Innerduct, Installed Exposed.....	12,927.88	3,733.13
For Work In Restricted Working Space, Add	2,239.88	
27 15 53 00-0026 Outdoor Innerduct (27 15 53)		
27 15 53 00-0027 Outdoor Innerduct, Installed In Conduit (27 15 53 00-0026)		
27 15 53 00-0028 MLF 1" Outdoor Innerduct, Installed In Conduit	3,767.99	1,599.91
27 15 53 00-0029 MLF 1-1/4" Outdoor Innerduct, Installed In Conduit	4,872.01	2,133.22
27 15 53 00-0030 MLF 1-1/2" Outdoor Innerduct, Installed In Conduit	6,196.98	2,666.52
27 15 53 00-0031 MLF 2" Outdoor Innerduct, Installed In Conduit	7,408.39	3,199.82
27 15 53 00-0032 Outdoor Innerduct, Buried In Trench (27 15 53 00-0026)		
27 15 53 00-0033 MLF 1" Outdoor Innerduct, Buried In Trench	2,701.39	
27 15 53 00-0034 MLF 1-1/4" Outdoor Innerduct, Buried In Trench	3,805.40	
27 15 53 00-0035 MLF 1-1/2" Outdoor Innerduct, Buried In Trench	5,130.37	
27 15 53 00-0036 MLF 2" Outdoor Innerduct, Buried In Trench	6,341.78	
27 16 Communications Connecting Cords, Devices, and Adapters (27 10)		
27 16 16 Communications Media Converters, Adapters, and Transceivers (27 16)		
27 16 16 00-0001 Fiber Optic Receivers (27 16 16)		
27 16 16 00-0002 EA Fiber Optic Receiver, Range 6.2 Miles	747.09	53.33
27 16 16 00-0003 Fiber Optic Transmitters (27 16 16)		
27 16 16 00-0004 EA Fiber Optic Transmitter, Range 6.2 Miles.....	747.08	53.33
27 16 16 00-0005 Fiber Optic Repeaters (27 16 16)		
Note: Consist of transmitter and receiver, back-to-back. Excludes power source.		
27 16 16 00-0006 EA Fiber Optic Repeater, 6.2 Miles Transmitter And Receiver Back-Back, No Power	853.75	106.66
27 16 16 00-0007 EA Fiber Optic Digital Repeater, 2,000 Miles Transmitter And Receiver Back-Back, No Power	1,350.27	213.33
27 16 16 00-0008 Fiber Optic Transceivers (27 16 16)		
27 16 16 00-0009 EA Fiber Optic Transceivers, 3,000 Miles Range	915.85	213.33
27 16 16 00-0010 EA Fiber Optic Transceivers, Digital 2,000 Miles Range	915.85	213.33

27 Communications**27 10 Structured Cabling****27 16 Communications Connecting Cords, Devices, and Adapters**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 16 00-0011	EA	Fiber Optic Ethernet Transceiver	1,198.84	319.98
27 16 16 00-0012	EA	Transceiver (Low Cost Bi- Directional).....	425.93	79.99
27 16 19 Communications Patch Cords, Station Cords, and Cross Connect Wire (27 16)				
27 16 19 00-0001		Cross Connect Wire (27 16 19)		
		Note: Up to 20' length.		
27 16 19 00-0002	EA	2-Pair Cross Connect Wire	17.00	
27 16 19 00-0003	EA	3-Pair Cross Connect Wire	22.76	
27 16 19 00-0004	EA	4-Pair Cross Connect Wire	28.47	
27 16 19 00-0005		Fiber Optic Patch Cords (27 16 19)		
27 16 19 00-0006		Simplex Fiber Optic Patch Cables (27 16 19 00-0005)		
27 16 19 00-0007		Singlemode, Simplex Fiber Optic Patch Cables (27 16 19 00-0006)		
27 16 19 00-0008	EA	ST To ST Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	38.51	
		For Each Additional Meter In Length, Add	0.26	
27 16 19 00-0009	EA	ST To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	31.79	
		For Each Additional Meter In Length, Add	0.26	
27 16 19 00-0010	EA	ST To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	40.53	
		For Each Additional Meter In Length, Add	0.26	
27 16 19 00-0011	EA	SC To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	33.32	
		For Each Additional Meter In Length, Add	0.26	
27 16 19 00-0012	EA	SC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	38.23	
		For Each Additional Meter In Length, Add	0.26	
27 16 19 00-0013	EA	LC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	37.69	
		For Each Additional Meter In Length, Add	0.26	
27 16 19 00-0014		Duplex Fiber Optic Patch Cables (27 16 19 00-0005)		
27 16 19 00-0015		Singlemode, Duplex Fiber Optic Patch Cables (27 16 19 00-0014)		
27 16 19 00-0016	EA	ST To ST Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	65.54	
		For Each Additional Meter In Length, Add	0.51	
27 16 19 00-0017	EA	ST To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	63.65	
		For Each Additional Meter In Length, Add	0.51	
27 16 19 00-0018	EA	ST To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	70.39	
		For Each Additional Meter In Length, Add	0.51	
27 16 19 00-0019	EA	SC To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	55.19	
		For Each Additional Meter In Length, Add	0.51	
27 16 19 00-0020	EA	SC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	64.99	
		For Each Additional Meter In Length, Add	0.51	
27 16 19 00-0021	EA	LC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	63.91	
		For Each Additional Meter In Length, Add	0.51	
27 16 19 00-0022		Multimode, Duplex Fiber Optic Patch Cables (27 16 19 00-0014)		
27 16 19 00-0023	EA	ST To ST Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	50.00	
		For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0024	EA	ST To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	54.40	
		For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0025	EA	ST To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	54.85	
		For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0026	EA	ST To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	56.26	
		For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0027	EA	SC To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	50.19	
		For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0028	EA	SC To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	56.51	
		For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0029	EA	SC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	66.04	
		For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0030	EA	MTRJ To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	46.13	
		For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0031	EA	LC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	55.68	
		For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0032		Fiber Optic Cable Pig Tail (27 16 19)		
27 16 19 00-0033	EA	Simplex Fiber Optic Cable Pig Tail.....	68.74	37.33
27 16 19 00-0034	EA	Duplex Fiber Optic Cable Pig Tail	84.70	37.33
27 16 19 00-0035		Ethernet Patch Cords (27 16 19)		
27 16 19 00-0036	EA	3' Category 5E Patch Cables With Boots	13.44	
27 16 19 00-0037	EA	5' Category 5E Patch Cables With Boots	14.64	
27 16 19 00-0038	EA	7' Category 5E Patch Cables With Boots	15.85	
27 16 19 00-0039	EA	10' Category 5E Patch Cables With Boots	23.08	
27 16 19 00-0040	EA	15' Category 5E Patch Cables With Boots	29.02	
27 16 19 00-0041	EA	25' Category 5E Patch Cables With Boots	38.17	
27 16 19 00-0042	EA	3' Category 6 Patch Cables With Boots	14.87	



Communications		27
Structured Cabling		27 10
Communications Connecting Cords, Devices, and Adapters		27 16

27

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 19 00-0043 EA 5' Category 6 Patch Cables With Boots	17.91	
27 16 19 00-0044 EA 7' Category 6 Patch Cables With Boots	17.97	
27 16 19 00-0045 EA 10' Category 6 Patch Cables With Boots	21.63	
27 16 19 00-0046 EA 15' Category 6 Patch Cables With Boots	28.57	
27 16 19 00-0047 EA 25' Category 6 Patch Cables With Boots	35.69	
27 16 19 00-0048 EA 50' Category 6 Patch Cables With Boots	55.74	
27 16 19 00-0049 EA 100' Category 6 Patch Cables With Boots	97.08	
27 16 19 00-0050 EA 3' Category 6A Patch Cables With Boots	27.26	
27 16 19 00-0051 EA 5' Category 6A Patch Cables With Boots	29.07	
27 16 19 00-0052 EA 7' Category 6A Patch Cables With Boots	30.43	
27 16 19 00-0053 EA 10' Category 6A Patch Cables With Boots	35.13	
27 16 19 00-0054 EA 15' Category 6A Patch Cables With Boots	42.76	
27 16 19 00-0055 EA 25' Category 6A Patch Cables With Boots	54.43	
27 16 19 00-0056 EA 50' Category 6A Patch Cables With Boots	80.64	
27 16 19 00-0057 EA 100' Category 6A Patch Cables With Boots	142.37	
27 16 19 00-0058 EA 3' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E03-06)	13.44	
27 16 19 00-0059 EA 5' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E05-06)	14.64	
27 16 19 00-0060 EA 7' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E07-06)	15.85	
27 16 19 00-0061 EA 10' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E10-06)	23.08	
27 16 19 00-0062 EA 15' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E15-06)	29.02	
27 16 19 00-0063 EA 25' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E25-06)	38.17	
27 16 19 00-0064 EA 3' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC603-06)	14.87	
27 16 19 00-0065 EA 5' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC605-06)	17.91	
27 16 19 00-0066 EA 7' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC607-06)	17.97	
27 16 19 00-0067 EA 10' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC610-06)	21.63	
27 16 19 00-0068 EA 15' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC615-06)	28.57	
27 16 19 00-0069 EA 25' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC625-06)	35.69	
27 16 19 00-0070 EA 3' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A03-09)	27.26	
27 16 19 00-0071 EA 5' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A05-09)	29.07	
27 16 19 00-0072 EA 7' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A07-09)	30.43	
27 16 19 00-0073 EA 10' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A10-09)	35.13	
27 16 19 00-0074 EA 15' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A15-09)	42.76	
27 16 19 00-0075 EA 25' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A25-09)	54.43	

27 20 Data Communications ⁽²⁷⁾27 21 Data Communications Network Equipment ^(27 20)

Note: Includes testing of new devices and certification.

27 21 16 Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems ^(27 21)27 21 16 00-0001 Fiber Optic Modems ^(27 21 16)

27 21 16 00-0002 EA Fiber Optic Modems, Range 6.2 Miles	1,494.01	213.33
27 21 16 00-0003 EA Fiber Optic Modem, Range 3.1 Miles, 12 Channel	2,828.23	213.33

27 21 16 00-0004 Ethernet Hubs and Switches ^(27 21 16)

27 21 16 00-0005 EA 16 Port Managed Hub With Fiberport And Standard Management	2,705.88	160.29
27 21 16 00-0006 EA 16 Port Unmanaged Hub	484.98	106.86
27 21 16 00-0007 EA 12 Port, Industrial Ethernet Switch (Cisco IE-4000-4GC4GP4G-E)	3,687.28	106.86
27 21 16 00-0008 EA Power Supply (Cisco PWR-IE170W-PC-AC)	1,102.50	53.43

27 21 16 00-0009 Network Equipment ^(27 21 16)27 21 16 00-0010 Communications Entrance Protection ^(27 21 16 00-0009)

27 21 16 00-0011 EA 100-Pair, 5 Pin Configuration, 110 Termination, Building Entrance Terminal With Cover (Porta 24100-110-M110C)	788.41	80.14
Note: Excludes terminations.		
27 21 16 00-0012 EA Solid State Protector Module With 4 OHM Heat Coils (CommScope 4C1S)	9.56	1.06

27 21 16 00-0013 Communications Cabinets, Racks, Frames And Enclosures ^(27 21 16 00-0009)

27 21 16 00-0014 EA 19" Width x 36" Height x 24" Depth, Wall Mounted Telecommunications Enclosure (Chatsworth 11840-736)	949.25	80.14
For Fan Kit (Chatsworth 12804-701), Add		
	126.74	
27 21 16 00-0015 EA 10 Outlet, 125 Volt, 20 Amperes, Telecommunications Cabinet Power Strip (Chatsworth 13239-757)	834.32	5.34

27 21 16 00-0016 Communications Termination Blocks And Patch Panels ^(27 21 16 00-0016)27 21 16 00-0017 Communications Termination Blocks ^(27 21 16 00-0016)

27 21 16 00-0018 EA 4-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058810)	297.96	16.00
27 21 16 00-0019 EA 5-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058802)	277.37	16.00
27 21 16 00-0020 EA 4-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058869)	663.41	16.00
27 21 16 00-0021 EA 5-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058851)	617.10	16.00
27 21 16 00-0022 EA 110 Connector System Mounting Brackets (CommScope 107535593)	94.11	16.00
27 21 16 00-0023 EA 110 Connector System Mounting Brackets (CommScope 107535585)	101.59	16.00
27 21 16 00-0024 EA 110 Connector System Mounting Brackets (CommScope 107098816)	115.60	16.00

27 Communications**27 20 Data Communications****27 21 Data Communications Network Equipment**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0025	Communications Copper Patch Panels (27 21 16 00-0016)			
	Note: Excludes cabinet and terminations.			
27 21 16 00-0026	EA	24 Port, Category 5E Patch Panel (CommScope 108208919)	295.60	34.73
27 21 16 00-0027	EA	48 Port, Category 5E Patch Panel (CommScope 108208935)	537.77	42.75
27 21 16 00-0028	EA	24 Port, Category 6 Patch Panel (CommScope 760062372)	436.69	34.73
27 21 16 00-0029	EA	48 Port, Category 6 Patch Panel (CommScope 760062380)	814.07	42.75
27 21 16 00-0030	Communications Optical Fiber Patch Panels (27 21 16 00-0016)			
27 21 16 00-0031	Closet Connector Housings (27 21 16 00-0030)			
27 21 16 00-0032	EA	48 Fiber Total Capacity, Closet Connector Housing (Corning CCH-01U)	338.26	21.37
	Note: Accepts up to 2 closet connector housing panels. Excludes panels.			
27 21 16 00-0033	EA	96 Fiber Total Capacity, Closet Connector Housing (Corning CCH-02U)	394.15	21.37
	Note: Accepts up to 4 closet connector housing panels. Excludes panels.			
27 21 16 00-0034	EA	288 Fiber Total Capacity, Closet Connector Housing (Corning CCH-04U)	490.52	21.37
	Note: Accepts up to 12 closet connector housing panels. Excludes panels.			
27 21 16 00-0035	EA	SC Duplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-91)	106.09	10.69
27 21 16 00-0036	EA	SC Duplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-59)	143.99	10.69
27 21 16 00-0037	EA	SC Simplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-56)	119.47	10.69
27 21 16 00-0038	EA	SC Simplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-3C)	156.24	10.69
27 21 16 00-0039	Communications Cable Management (27 21 16 00-0009)			
27 21 16 00-0040	Horizontal Communication Cable Management (27 21 16 00-0039)			
27 21 16 00-0041	EA	1.7" Height, 19" Width, 3.7" Depth, 1 RU, Front Only, Horizontal Cable Manager (Panduit WMPFSE)	113.53	21.37
27 21 16 00-0042	EA	3-1/2" Height, 19" Width, 3.7" Depth, Horizontal Cable Manager (Panduit WMPF1E)	117.20	21.37
27 21 16 00-0043	Vertical Communication Cable Management (27 21 16 00-0039)			
27 21 16 00-0044	EA	6" Width x 84" Height, Double-Sided Vertical Cabling Section (Chatsworth 11729-703)	663.67	53.43
27 21 16 00-0045	EA	19" Width x 84" Height, Universal Rack (Chatsworth 48353-703)	687.42	53.43
27 21 16 00-0046	EA	23" Width x 84" Height, Universal Rack (Chatsworth 48383-703)	740.85	53.43
27 21 16 00-0047	Communications Patch Cords, Station Cords, And Cross Connect Wire (27 21 16 00-0009)			
27 21 16 00-0048	Premise Cross-Connect Wire (27 21 16 00-0047)			
27 21 16 00-0049	LF	1-Pair, 22 AWG Premise Cross-Connect Wire (General Cable 7041973)	1.10	0.53
27 21 16 00-0050	Pathways For Communications Systems (27 21 16 00-0009)			
27 21 16 00-0051	Conduits And Backboxes For Communication Systems (27 21 16 00-0050)			
27 21 16 00-0052	Flexible Conduit For Communication Systems (27 21 16 00-0051)			
27 21 16 00-0053	CLF	1" Diameter, Riser Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlson DF4X1C)	437.43	191.99
27 21 16 00-0054	CLF	1" Diameter, Plenum Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlson CF4X1C)	629.30	191.99
27 21 16 00-0055	Tube Cables For Communication Systems (27 21 16 00-0051)			
27 21 16 00-0056	Outdoor/All-Dielectric Tube Cables (27 21 16 00-0055)			
27 21 16 00-0057	CLF	Two Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC02TOX)	374.82	127.99
27 21 16 00-0058	CLF	Seven Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC07TOX)	560.12	159.99
27 21 16 00-0059	CLF	Nineteen Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC19TOX)	933.32	191.99
27 21 16 00-0060	Indoor/Riser Rated Tube Cables (27 21 16 00-0055)			
27 21 16 00-0061	CLF	Two Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC02TRX)	430.72	127.99
27 21 16 00-0062	CLF	Four Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC04TRX)	527.24	143.99
27 21 16 00-0063	CLF	Seven Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC07TRX)	598.94	159.99
27 21 16 00-0064	CLF	Nineteen Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC19TRX)	1,108.78	191.99
27 21 16 00-0065	Indoor/Plenum Rated Tube Cables (27 21 16 00-0055)			
27 21 16 00-0066	CLF	Single Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC01TPX)	314.26	127.99
27 21 16 00-0067	CLF	Two Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC02TP2)	457.11	127.99
27 21 16 00-0068	CLF	Four Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC04TP2)	707.36	143.99
27 21 16 00-0069	CLF	Seven Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC07TP2)	1,032.16	159.99
27 21 16 00-0070	CLF	Nineteen Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC19TP2)	3,228.30	191.99
27 21 16 00-0071	Unjacketed Single Tube Cables (27 21 16 00-0055)			
27 21 16 00-0072	CLF	Single Tube, Unjacketed Single Tube Cable (Sumitomo TC01TGX)	270.78	127.99
27 21 16 00-0073	Multimode Fiber Bundles (27 21 16 00-0055)			
	Note: Includes optical fiber cables.			



		Communications	27
		Data Communications	27 20
		Data Communications Network Equipment	27 21

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0074 CLF 2-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FR02M6)	116.79	38.40
27 21 16 00-0075 CLF 4-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB04M6)	177.35	38.40
27 21 16 00-0076 CLF 6-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB06M6)	242.57	38.40
27 21 16 00-0077 CLF 12-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB12M6)	441.32	38.40
27 21 16 00-0078 CLF 18-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB18M6)	639.87	44.79
27 21 16 00-0079 CLF 24-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB24M6)	838.63	44.79
27 21 16 00-0080 Singlemode Fiber Bundles (27 21 16 00-0055) Note: Includes optical fiber cables.		
27 21 16 00-0081 CLF 2-Fiber, Singlemode Fiber Bundle (Sumitomo FR02SX)	104.37	38.40
27 21 16 00-0082 CLF 4-Fiber, Singlemode Fiber Bundle (Sumitomo FB04SX)	130.77	38.40
27 21 16 00-0083 CLF 6-Fiber, Singlemode Fiber Bundle (Sumitomo FB06SX)	152.51	38.40
27 21 16 00-0084 CLF 12-Fiber, Singlemode Fiber Bundle (Sumitomo FB12SX)	194.43	38.40
27 21 16 00-0085 CLF 18-Fiber, Singlemode Fiber Bundle (Sumitomo FB18SX)	298.27	44.79
27 21 16 00-0086 CLF 24-Fiber, Singlemode Fiber Bundle (Sumitomo FB24SX)	392.99	44.79
27 21 16 00-0087 Tube Distribution Cabinets (27 21 16 00-0055)		
27 21 16 00-0088 EA Modular Tube Distribution Cabinet (Sumitomo DE06MDU)	227.62	53.43
Note: Up to six 7-tube cables or two 19-tube cables.		
27 21 16 00-0089 Modular Fiber Termination Cabinets (27 21 16 00-0055)		
27 21 16 00-0090 EA 24-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT24WFM)	288.50	53.43
27 21 16 00-0091 EA 48-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT48WFM)	307.76	53.43
27 21 16 00-0092 Tube Distribution Accessories (27 21 16 00-0055)		
27 21 16 00-0093 EA Plastic Push/Pull Quick Release Pneumatic Cap For 8 mm Tube (Sumitomo DE08MA)	12.85	5.34
27 21 16 00-0094 EA Plastic Push/Pull Quick Release Pneumatic Coupling For 8 mm Tube (Sumitomo DE08MC2)	14.20	5.34
27 21 16 00-0095 EA Brass Push/Pull Quick Release Pneumatic Coupling For 8 mm Bulkhead Tube (Sumitomo DE08MB)	17.68	5.34
27 21 16 00-0096 Communications Optical Fiber Cabling (27 21 16 00-0009)		
27 21 16 00-0097 Communications Optical Fiber Cable Splicing And Terminations (27 21 16 00-0096)		
27 21 16 00-0098 Field Installed Fiber Connectors (27 21 16 00-0097)		
27 21 16 00-0099 EA SC Type, Singlemode, Field Installed Fiber Connector (Corning 95-200-42)	37.89	8.01
27 21 16 00-0100 EA SC Type, 62.5 Micron Multimode, Field Installed Fiber Connector (Corning 95-000-41)	33.44	8.01
27 21 16 00-0101 Buffer Tube Fan-Out Kits (27 21 16 00-0097)		
27 21 16 00-0102 Buffer Tube Breakout Kits (Sumitomo) (27 21 16 00-0101) Note: Includes 900 micron tubing.		
27 21 16 00-0103 EA 2-Fiber Breakout Kit (Sumitomo FTFLD02)	231.96	106.66
27 21 16 00-0104 EA 4-Fiber Breakout Kit (Sumitomo FTFLD04)	236.62	106.66
27 21 16 00-0105 EA 6-Fiber Breakout Kit (Sumitomo FTFLD06)	240.74	106.66
27 21 16 00-0106 EA 12-Fiber Breakout Kit (Sumitomo FTFLD12)	253.52	106.66
27 21 16 00-0107 EA 18-Fiber Breakout Kit (Sumitomo FTFLD18)	271.00	106.66
27 21 16 00-0108 EA 24-Fiber Breakout Kit (Sumitomo FTFLD24)	283.98	106.66
27 21 16 00-0109 Buffer Tube Fan-Out Kits (Corning) (27 21 16 00-0101)		
27 21 16 00-0110 EA 12 Fiber, 25" Tube Length, Indoor Buffer Tube Fan-Out Kit (Corning Fan-BT25-12)	234.12	106.66
27 21 16 00-0111 EA 12 Fiber, 25" Tube Length, Outdoor Buffer Tube Fan-Out Kit (Corning Fan-OD25-12)	280.25	106.66
27 21 16 00-0112 Communications Copper Cabling (27 21 16 00-0009)		
27 21 16 00-0113 Copper Communications Cable Splicing And Terminations (27 21 16 00-0112)		
27 21 16 00-0114 Copper Communications Cable Splice Cases (27 21 16 00-0113)		
27 21 16 00-0115 EA 6.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000626)	894.74	213.33
27 21 16 00-0116 EA 9.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000630)	1,028.52	213.33
27 21 16 00-0117 EA 12.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8006219)	1,473.08	213.33
27 21 16 00-0118 Modular Splice Connectors (27 21 16 00-0113)		
27 21 16 00-0119 EA 25-Pair, Straight Body Only, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-SC1-25)	113.15	53.33
27 21 16 00-0120 EA 25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Dry Modular Splice Connector (3M 710-SD1-25)	111.71	53.33
27 21 16 00-0121 EA 25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-TC1-25)	113.18	53.33
27 21 16 00-0122 EA 25-Pair, Bridge Body, 26-22 Gauge Cable, Filled Modular Splice Connector (3M 710-BC1-25)	112.98	53.33
27 21 26 Data Communications Network Management (27 21)		
27 21 26 00-0001 Data Communications Network Management (27 21 26)		
27 21 26 00-0002 EA 3 Port, Terminal/Serial Device Server (Comtrol 99560-9)	452.48	26.67

27 Communications**27 20 Data Communications****27 21 Data Communications Network Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 26 00-0003 EA 2 Port, Terminal/Serial Device Server (Comtrol 99550-0).....	350.79	26.67
27 21 26 00-0004 EA 4 Port, DB9 Terminal/Serial Device Server (Comtrol 99445-9).....	485.13	26.67
27 21 26 00-0005 EA 4 Port, DB9 Terminal/Serial Device Server (Comtrol 99448-0).....	754.50	26.67
27 21 26 00-0006 EA 24 Watt, Din Rail Mountable, Power Adapter (Control PS1020).....	71.32	
27 21 26 00-0007 EA Remote Data Port, Spectra Positioning System (Pelco IPS_RDPE_2).....	335.16	16.00
27 21 26 00-0008 EA Sennetech Code Translator (Pelco SCT_100_AD232).....	571.79	26.67
27 21 26 00-0009 EA VPN Router (Cisco 819HG).....	3,692.27	341.95
27 21 26 00-0010 EA Cisco Catalyst 3000 Series Switches (Cisco IE-3000 - 8TC).....	2,754.49	341.95
27 21 26 00-0011 EA WS-C4507R+E Chassis, Two WS-X4648-RJ45V+E, Sup7L-E, LAN Base (Cisco WS-C4507RE+96V+).....	12,749.86	127.99
27 21 26 00-0012 EA SMARTnet Extended Service Agreement, SNTC-8X5XNBD WS-C4507R+E Chassis, 2 WS-X4648-RJ45V+E (Cisco CON-SNT-C4507REV).....	380.00	
27 21 26 00-0013 EA Sup8-E And WS-X4748-RJ45V+E Upgrade For Bundle (Cisco C4500E-S7L-S8).....	8,496.29	127.99
27 21 26 00-0014 EA Catalyst 4500 E-Series Redundant Supervisor 8-E (Cisco WS-X45-SUP8-E/2).....	18,099.27	127.99
27 21 26 00-0015 EA Catalyst 4500 2GB SD Memory Card (Cisco SD-X45-2GB-E).....	424.09	10.69
27 21 26 00-0016 EA Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV).....	3,136.95	13.33
27 21 26 00-0017 EA Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV/2).....	2,686.66	13.33
27 21 26 00-0018 EA 13', NEMA 6-20 To IEC-C19 Power Cable (Cisco CAB-US620P-C19-US).....	50.69	5.34
27 21 26 00-0019 EA 1000BASE-SX SFP Transceiver Module, MMF, 850nm, DOM (Cisco GLC-SX-MMD=).....	181.66	53.33
27 21 26 00-0020 EA Cisco Catalyst 3850 24 Port Data IP Base (Cisco WS-C3850-24TS).....	2,619.94	127.99
27 21 26 00-0021 EA SMARTnet Extended Service Agreement, 8X5XNBD Cisco Catalyst 3850 24 Port Data IP Base (Cisco CON-SNT-WSC384TS).....	499.99	
27 21 26 00-0022 EA North America AC Type A Power Cable (Cisco CAB-TA-NA).....	18.75	5.34
27 21 26 00-0023 EA 350 Watt AC Power Supply (Cisco PWR-C1-350WAC).....	215.67	13.33
27 21 26 00-0024 EA Cisco Catalyst 3850 4x1GE Network Module (Cisco C3850-NM-4-1G).....	526.72	13.36
27 21 26 00-0025 EA 1', Catalyst 3750X and 3850 Stack Power Cable (Cisco CAB-SPWR-30CM).....	102.68	5.34
27 21 26 00-0026 EA Rack Mount Switch 16 100 SFP 8 10/100 PoE 2 Geuplinks (Cisco IE-3010-16S-8PC).....	3,008.28	127.99
27 21 26 00-0027 EA SMARTnet Extended Service Agreement, 8X5XNBD IA Rack Mount Switch 16 100 SFP 8 10/10 (Cisco CON-SNT-301016S8).....	501.99	
27 21 26 00-0028 EA IE 3010 Power Supply (Cisco PWR-RGD-AC-DC/IA).....	451.67	13.33
27 21 26 00-0029 EA IE 3010 AC-DC Redundant Power Supply (Cisco PWR-RGD-AC-DC/IA).....	458.67	13.33
27 21 26 00-0030 EA 4 Ethernet 10/100 Ports And 2 Dual-Purpose Uplinks, Industrial Ethernet Switch (Cisco IE-3000-4TC).....	1,072.39	127.99
27 21 26 00-0031 EA Expansion Power Module For Cisco IE-3000-4TC (Cisco PWR-IE50W-AC-IEC).....	251.72	13.36
27 21 26 00-0032 EA 4 Port, Expansion SFP Module for IE-3000-4TC (Cisco IEM-3000-4SM).....	1,156.72	13.36
27 21 26 00-0033 EA Router (CISCO IR829).....	1,056.86	53.43

27 21 29 Data Communications Switches and Hubs (27 21)**27 21 29 00-0001 Data Communications Multimedia Modular Patch Panels (27 21 29)**

Note: Unloaded multimedia patch panels that accept modular jacks for category 3, 5e, 6, fiber optic, etc. Excludes rack, modular jacks and terminations. See CSI section 27 15 43 00-0051 for modular jacks.

27 21 29 00-0002 EA 12 Port, Wall Mount Multimedia Modular Patch Panel, Unloaded.....	93.02	5.33
27 21 29 00-0003 EA 16 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	102.58	5.33
27 21 29 00-0004 EA 24 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	121.07	5.33
27 21 29 00-0005 EA 36 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	126.75	5.33
27 21 29 00-0006 EA 48 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	138.76	6.67
27 21 29 00-0007 EA 24 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded.....	131.45	5.33
27 21 29 00-0008 EA 48 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded.....	164.96	6.67
27 21 29 00-0009 EA Rack Mount Rear Cable Management Bar.....	46.31	6.67

27 21 33 Data Communications Wireless Access Points (27 21)**27 21 33 00-0001 Data Communications Wireless Access Points (27 21 33)**

27 21 33 00-0002 EA Base Station Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-BSU).....	3,241.33	159.99
27 21 33 00-0003 EA Base Station Unit, 300 Mbps, MIMO 2x2, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1).....	7,668.93	159.99
27 21 33 00-0004 EA Base Station Unit, 300 Mbps, MIMO 2x2, 16 dBi, 90 Degree Sector Antenna US PoE (Proxim Wireless MP-8250-BS9).....	7,668.93	159.99
27 21 33 00-0005 EA Subscriber Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-SUA).....	1,319.74	159.99
27 21 33 00-0006 EA Subscriber Unit, 300 Mbps, MIMO 2x2, 23 dBi, Panel Antenna US PoE (Proxim Wireless MP-8250-SUR).....	1,546.52	180.40
27 21 33 00-0007 EA Base Station Unit, 300 Mbps, MIMO 3x3, GPS Sync Ready, Type-N Connectors - US PoE (Proxim Wireless MP-8200-BSU-G).....	4,155.08	180.40
27 21 33 00-0008 EA Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1-G).....	6,263.48	180.40
27 21 33 00-0009 EA Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 16 dBi, 90° Sector Antenna - US PoE (Proxim Wireless MP-8250-BS9-G).....	6,263.48	180.40
27 21 33 00-0010 EA 50 Mbps (upgradable to 100 Mbps), MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-50).....	1,297.14	60.13
27 21 33 00-0011 EA 100 Mbps, MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-100).....	1,314.84	60.13
27 21 33 00-0012 EA Surge, Gigabit Surge Protector With Shielded RJ45 (Proxim Wireless ETH-SURGE-1G).....	135.40	30.07
27 21 33 00-0013 EA FlexPort uWave AdaptRate And Modulation Feature Upgrade (BridgeWave Communications FPUWAVE-UPG-ARM).....	1,100.00	
27 21 33 00-0014 EA 1' High Performance Dish Antenna, Low Profile, 21.2-23.6 GHz, WR42 Flange, SOI (Radio Waves HPLP1-23RR).....	420.66	53.33
27 21 33 00-0015 EA Cellular Phone / Wi-Fi Antenna (Sierra Wireless AP-CWG-Q-S222-WH).....	353.41	53.33
27 21 33 00-0016 EA Cell LTE MIMO Antenna (Sierra Wireless 1810075).....	68.87	21.33
27 21 33 00-0017 EA AirLink GX400 Power Adapter (Sierra Wireless 2700384).....	53.67	
27 21 33 00-0018 EA AirLink GX400 Power Cable (Sierra Wireless 2000380).....	32.48	
27 21 33 00-0019 EA Cellular/PCS/LTE, Hockey Puck Antenna (Sierra Wireless AP-C-Q-S2-BL).....	236.60	53.33
27 21 33 00-0020 EA Cellular/PCS/LTE/GPS, Multi-Band Antenna (Sierra Wireless AP-CG-Q-S22-BL).....	237.90	53.33
27 21 33 00-0021 EA 2 Way, RF Power Divider, 790-920 MHz (Telewave ANTPD28D).....	314.66	53.43
27 21 33 00-0022 EA Wireless Cellular Modem (Sierra Wireless AirLink GX400 EVDO/GPS).....	766.50	80.14
27 21 33 00-0023 EA Wireless Cellular Modem (Sierra Wireless AirLink GX450 Rugged).....	968.91	80.14



		Communications	27
		Data Communications	27 20
		Data Communications Network Equipment	27 21

27

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 33 00-0024 EA Magnetic Mount Cellular Antenna (Wilson Electronics 301125).....	60.35	16.00
27 21 33 00-0025 EA Yagi Antenna, 890-960 MHz, 10 dBd Gain (PCTEL Bluewave Antennas BGYD890K)	228.73	60.13
27 21 33 00-0026 EA Andrew® Omni Antenna, 890-960 MHz, 360° Horizontal Beamwidth, Fixed Electrical Tilt, Fits On 38-51 mm (1-1/2 to 2 in) OD Pipe (Commscope DB583-Y)	677.12	60.13
27 21 33 00-0027 EA Single Channel Bluetooth Sensor With Bluetooth Module And Antenna (DeepBlue SC).....	3,201.86	53.43
27 21 33 00-0028 EA Point-to-Point Wireless Bridge (Proxim Tsunami® QB-10150).....	1,639.73	53.33

27 30 Voice Communications⁽²⁷⁾

27 31 Voice Communications Switching and Routing Equipment^(27 30)

Note: Includes testing of new devices and certification.

27 31 13 PBX/Key Systems^(27 31)

27 31 13 00-0001 Interior PBX Telephone System^(27 31 13)

Note: Includes telephone instruments cabling and solid state switching.

27 31 13 00-0002 Interior PBX Telephone System^(27 31 13 00-0001)

Note: Cost is for each line up to 1000 lines.

27 31 13 00-0003 EA 1 Line PBX Connection, Cost Per Each Line Up To 1,000.....	1,464.25	555.98
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27 31 13 00-0004 Additional Telephones Less Solid State Switching (PBX)^(27 31 13 00-0001)

27 31 13 00-0005 EA Add For Each Additional PBX Phone Line Less Solid State Switching	439.39	43.73
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27 31 13 00-0006 Telephones^(27 31 13 00-0001)

27 31 13 00-0007 EA Telephones, Desk Type Intercommunication Equipment.....	182.88	41.59
27 31 13 00-0008 EA Telephones, Wall Type Intercommunication Equipment.....	210.92	55.46

27 32 Voice Communications Terminal Equipment^(27 30)

Note: Includes testing of new devices and certification.

27 32 13 Telephone Sets^(27 32)

27 32 13 00-0001 Interior Telephone Components^(27 32 13)

27 32 13 00-0002 EA Solid State Exchange Unit With Power Supply	5,331.71	974.67
27 32 13 00-0003 EA Dial Telephone - Handset In Cabinet	625.30	79.68
27 32 13 00-0004 EA Elevator Cab Telephone With Trailer Cable.....	335.29	85.43
27 32 13 00-0005 EA Loud Ring Bell, 6"	267.95	79.25
27 32 13 00-0006 EA Audio/Visual Indicator	330.95	74.67
27 32 13 00-0007 EA Administrative Telephone With Digital Display.....	340.41	66.98
27 32 13 00-0008 EA Processing Unit For 16 Station System.....	1,772.35	546.42
27 32 13 00-0009 EA Handset For 16 Station System	242.88	54.40
27 32 13 00-0010 EA Handset In Cabinet, For 16 Station System.....	328.89	73.38
27 32 13 00-0011 MLF 20 Conductor Unshielded Cable, #22	2,471.09	1,176.14
27 32 13 00-0012 EA Power Supply For 16 Station System	336.02	145.16
27 32 13 00-0013 EA Intercom Terminal Board.....	310.98	163.40
27 32 13 00-0014 EA Power Supply For Five Station System, 24 Volt DC	347.00	145.16
27 32 13 00-0015 EA Telephone Communication Board, Insulated Blueboard 24" x 24" x 1/2" Thick	164.79	59.63
27 32 13 00-0016 EA Telephone Cabinet With Backboard 24" High x 24" Wide x 6" Deep	493.38	131.25
27 32 13 00-0017 EA Telephone Cabinet With Backboard 30" High x 24" Wide x 6" Deep	580.34	149.18
27 32 13 00-0018 EA Telephone Cabinet With Backboard 30" High x 30" Wide x 6" Deep	702.14	176.56
27 32 13 00-0019 EA Telephone Cabinet With Backboard 36" High x 30" Wide x 6" Deep	821.73	190.88
27 32 13 00-0020 EA Telephone Cabinet With Backboard 48" High x 30" Wide x 6" Deep	1,249.47	217.19
27 32 13 00-0021 EA Ring Rung 3"	11.08	5.95
27 32 13 00-0022 EA G66B50 Telephone Blocks Including 50 Terminators, Exterior Ring, Marking, ID	26.93	10.56
27 32 13 00-0023 EA G110 Data Blocks Including Terminator, Exterior Ring, Marking, ID And Testing.....	50.13	21.65

27 32 13 00-0024 Interior Telephone Accessories^(27 32 13)

27 32 13 00-0025 EA Blank Telephone Receptacle, Exposed Devices - Complete	11.88	5.76
27 32 13 00-0026 EA 4-Pin Telephone Receptacle, Exposed Devices - Complete.....	25.50	22.19
27 32 13 00-0027 EA Dual Flush Mounted, Level 5, RJ-45 Jack, Complete	62.30	24.36
27 32 13 00-0028 EA Wall Mount, Level 5, RJ-45 Jack, Complete	59.28	24.36
27 32 13 00-0029 EA Terminating Strips, Inside	120.07	48.72
27 32 13 00-0030 EA Dual Outlet, 4-Pin Telephone Receptacle, Concealed Type RJ-45 - Complete	53.62	25.06
27 32 13 00-0031 EA Ready Access Closure 3 To 25 Pair	145.10	58.77
27 32 13 00-0032 EA Ready Access Closure 25 To 100 Pair	168.98	65.70
27 32 13 00-0033 EA Termination Block With Bracket 25 Pair	54.30	19.73
27 32 13 00-0034 EA RJ-11 Telephone Receptacle, Concealed Devices - Complete	52.65	24.74
27 32 13 00-0035 EA Interior Protected Terminal 25 Pair	599.14	142.50
27 32 13 00-0036 EA Interior Protected Terminal 50 Pair	704.64	144.74
27 32 13 00-0037 EA Pedestal 6" x 6" x 50" 3 To 100 Pair	239.14	59.30
27 32 13 00-0038 EA Pedestal 8" x 8" x 50" 100 To 300 Pair	246.38	59.30
27 32 13 00-0039 EA Pedestal 10" x 10" x 43" 300 To 600 Pair	324.80	75.84
27 32 13 00-0040 EA Pedestal 10" x 16" x 439 600 Pair.....	669.20	136.63
27 32 13 00-0041 EA Entrance Protector Terminal 100 Pair	918.30	155.94
27 32 13 00-0042 EA Gas Protection Module.....	14.89	5.33

27 Communications**27 30 Voice Communications****27 32 Voice Communications Terminal Equipment**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 32 13 00-0043 EA Terminating Boxes, Outside With 3 Element Protectors, Per Pair.....24.84 4.87

27 32 26 Ring-Down Emergency Telephones (27 32)**27 32 26 00-0001****Emergency Telephone (27 32 26)**

Note: Standard features include: CB3000 speakerphone, 3 auxiliary inputs, 2 auxiliary outputs, phone line surge suppressor, analog telephone connection, 70w area light with blue beacon, high power strobe, lighted faceplate, 110VAC power, ultra weather resistant finish, vandal resistant hardware, UV resistant lens, dome vent, flat area for directory, access control or other options; 12.75" diameter/8'-6" height, 1/4" thick steel construction, foundation anchor kit, ADA compliant.

27 32 26 00-0002 EA Code Blue 1-Standard Emergency Telephone Pedestal Unit (CB 1-s)7,915.13 439.03
Note: Includes IA4100 FP1 analog speakerphone with single red "Push For Help" button, "Push For Help" bezel, hard wire phone line, passive vent at top, 24V AC, and standard color.

27 32 26 00-0003 EA Code Blue 1-Dual Emergency Telephone Pedestal Unit (CB 1-d)8,296.89 439.03
Note: Includes IA4100 FP1 analog speakerphone with single red "Push For Help" button, "Push For Help" bezel, blank stainless steel plate second opening, hard wire phone line, passive vent at top, 24V AC, and standard color.

27 32 26 00-0004 EA Analog Speakerphone With Black "Info" Button And Red "Push For Help" Button Code Blue Option (Code Blue IA4100 FP2)127.25

27 32 26 00-0005 EA Analog Speakerphone With Black "Call" Button, Keypad And Red "Push For Help" Button Code Blue Option (Code Blue IA4100 FP2-K)190.88

27 32 26 00-0006 EA IP Speakerphone With Single Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP1)477.19

27 32 26 00-0007 EA IP Speakerphone With Back "Info" Button And Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP2)648.98

27 32 26 00-0008 EA IP Speakerphone With Black "Call" Button, Keypad And Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP2-K)712.61

27 32 26 00-0009 EA EMERGENCY (Raised Letters With Braille) Main Bezel Code Blue Option12.73

27 32 26 00-0010 EA EMERGENCY/EMERGENCIA (Raised Letters With Braille) Main Bezel Code Blue Option12.73

27 32 26 00-0011 EA Directory, Second Opening Code Blue Option114.53

27 32 26 00-0012 EA Camera Enclosure With Color IP Camera, Second Opening Code Blue Option1,208.89

27 32 26 00-0013 EA HID Card Reader, Second Opening Code Blue Option559.91

27 32 26 00-0014 EA HID Card Reader And Color IP Camera, Second Opening Code Blue Option1,813.34

27 32 26 00-0015 EA IP Wireless Communication Code Blue Option3,811.19
Note: 802.11g or secure mesh 5.8. (system UPS backup or unit Night Charge recommended). IP5000 VoIP Speakerphone option must be ordered when selecting IP Wireless Communications. Requires Base Unit(s) and site survey.

27 32 26 00-0016 EA Active Venting Code Blue Option203.60

27 32 26 00-0017 EA Night Charge Power Code Blue Option1,775.16
Note: Requires 120V AC external power supplied to Code Blue unit.

27 32 26 00-0018 EA Power Transformer Kit, Alternate Incoming Power Code Blue Option445.38

27 32 26 00-0019 EA Overhead Camera Mount Code Blue Option1,011.65
Note: Excludes camera.

27 32 26 00-0020 EA Custom Color For Overhead Camera Mount Code Blue Option44.54

27 32 26 00-0021 City Police Call System (27 32 26)**27 32 26 00-0022 Components (27 32 26 00-0021)**

27 32 26 00-0023 EA City Police Call System624.59 124.36

27 32 26 00-0024 EA Concrete Foundation For Police Department Telephone Post585.79 180.15

27 40 Audio-Video Communications (27)**27 41 Audio-Video Systems (27 40)****27 41 16 Integrated Audio-Video Systems and Equipment (27 41)**

Note: Includes testing of new devices and certification.

27 41 16 00-0001 Television Distribution System (27 41 16)

See CSI section 26 05 13 16-0001 for basic wiring.

27 41 16 00-0002 Mounted Television Support (27 41 16 00-0001)

27 41 16 00-0003 EA Ceiling Mounted Television Support, 19" To 20"377.43 119.68

27 41 16 00-0004 EA Ceiling Mounted Television Support, 19" To 20" With Rack477.11 133.57

27 41 16 00-0005 EA Ceiling Mounted Television Support, 25" To 27"391.56 119.68

27 41 16 00-0006 EA Ceiling Mounted Television Support, 25" To 27" With Rack491.24 133.57

27 41 16 00-0007 EA Wall Mounted Television Support, 13"298.23 96.17

27 41 16 00-0008 EA Wall Mounted Television Support, 13" With Rack397.90 106.86

27 41 16 00-0009 EA Wall Mounted Television Support, 19" To 20"316.77 96.17

27 41 16 00-0010 EA Wall Mounted Television Support, 19" To 20" With Rack416.44 106.86

27 41 16 00-0011 EA Wall Mounted Television Support, 25" To 27"335.31 96.17

27 41 16 00-0012 EA Wall Mounted Television Support, 25" To 27" With Rack434.98 106.86

27 41 16 00-0013 Distribution System (27 41 16 00-0001)

See CSI section 26 05 13 16-0001 for wire and cabling.

27 41 16 00-0014 TV Distribution Rack (27 41 16 00-0013)

27 41 16 00-0015 EA Steel Rack Cabinet With Shelves1,200.32 196.15

27 41 16 00-0016 EA Switch And Pilot Light208.32 87.14

27 41 16 00-0017 LF Surface Raceway With Outlets25.48 11.84

27 41 16 00-0018 EA Service Label31.09 16.32



Communications			27
Audio-Video Communications			27 40
Audio-Video Systems			27 41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 41 16 00-0019		Head End Amplifier (27 41 16 00-0013)		
27 41 16 00-0020	EA	Head End Amplifier	800.73	130.55
27 41 16 00-0021		UHF In-Line Booster Amplifier And Power Supply (27 41 16 00-0013)		
27 41 16 00-0022	EA	UHF In-Line Booster	488.34	130.55
27 41 16 00-0023		Preamplifiers (27 41 16 00-0013)		
27 41 16 00-0024	EA	VHF Preamplifier	598.34	130.55
27 41 16 00-0025	EA	UHF Preamplifier	488.33	130.55
27 41 16 00-0026		Power Supplies (27 41 16 00-0013)		
27 41 16 00-0027	EA	Common Power Supply	854.76	186.55
27 41 16 00-0028		Line Splitter And Mixer (27 41 16 00-0013)		
27 41 16 00-0029	EA	Line Splitter	84.35	43.52
27 41 16 00-0030	EA	Two-Way Splitter	93.11	43.52
27 41 16 00-0031	EA	Frequency Filter	194.72	65.38
27 41 16 00-0032	EA	Line Splitter And Mixer	256.63	95.99
27 41 16 00-0033		Power Line Filters (27 41 16 00-0013)		
27 41 16 00-0034	EA	120-Volt Power Supply Line Filter	362.31	87.14
27 41 16 00-0035		Wall Box And Receiver Outlets (27 41 16 00-0013)		
27 41 16 00-0036	EA	Wall Box With Lockable Cover, Excluding Outlet Plug	194.72	65.38
27 41 16 00-0037	EA	TV Receiver Outlet Plug	93.11	43.52
27 41 16 00-0038	EA	TV Camera Outlet Plug	93.11	43.52
27 41 16 00-0039	EA	Audio Outlet Plug	82.14	43.52
27 41 16 00-0040	EA	12 Ft RG 6U Cable With C-59 And TV Set Fittings	169.81	87.14
27 41 16 00-0041	EA	Male Plug PL-259	93.11	43.52
27 41 16 00-0042	EA	Wall Box And Receiver Outlet Television Outlets	113.93	45.65
27 41 33		Master Antenna Television Systems (27 41)		
27 41 33 00-0001		Antenna Systems (27 41 33)		
27 41 33 00-0002		Antenna (27 41 33 00-0001)		
27 41 33 00-0003	EA	Amateur Radio Antenna	760.23	159.99
27 41 33 00-0004	EA	Multi-Band Radio Antenna	602.65	159.99
27 41 33 00-0005		Receptacles (27 41 33 00-0001)		
27 41 33 00-0006	EA	Amateur Radio Antenna System Receptacle With Mating Plugs And Adapter	183.73	65.38
27 41 33 00-0007	EA	Multi-Band Radio Antenna System Receptacle With Mating Plugs	183.73	65.38
27 50		Distributed Communications and Monitoring Systems (27)		
27 51		Distributed Audio-Video Communications Systems (27 50)		
27 51 17		Video Intercom and Exterior Gate Control System (27 51)		
27 51 17 00-0001		Video Intercom And Exterior Gate Control System (27 51 17)		
27 51 17 00-0002	EA	Audio Video Master Control Station (Aiphone AX-8MV)	1,055.91	133.57
27 51 17 00-0003	EA	16-call Add-on Selector For AX Masters (Aiphone AX-16SW)	445.61	133.57
27 51 17 00-0004	EA	Central Exchange Unit (Aiphone AX-084C)	1,249.33	66.79
27 51 17 00-0005	EA	Central Exchange Unit (Aiphone AX-248C)	1,702.37	66.79
27 51 17 00-0006	EA	Touch Tone Programmable Dialer (Viking K-1900-5)	132.72	26.72
27 51 17 00-0007	EA	Surface Mount Audio/Video Door Station (Aiphone AX-DV)	401.64	26.72
27 51 17 00-0008	EA	Flush Mount Audio/Video Door Station (Aiphone AX-DVF)	452.81	26.72
27 51 17 00-0009	EA	12 Volt, 2.5 Amp, DC Power Supply (Aiphone PS-1225UL)	122.82	13.36
		Note: UL Listed		
27 51 17 00-0010	EA	24 Volt, 2 Amp, DC Power Supply (Aiphone PS-2420UL)	134.06	13.36
		Note: UL Listed		
27 51 17 00-0011	EA	IP Video Master Station (Aiphone IX-MV)	1,337.97	133.57
27 51 17 00-0012	EA	Handset Only For IX-MV (Aiphone 285999)	57.09	5.34
27 51 17 00-0013	EA	Hands Free Sub Master Video Monitor (Aiphone JF-2HD)	681.49	133.57
27 51 17 00-0014	EA	Stainless Steel Video Door Station With HID ProxPoint Plus Reader, Flush Mount (Aiphone AX-DVF-P)	605.43	26.72
27 51 17 00-0015	EA	Stainless Steel Surface Mount Box For IS-SS, IS-DVF, IS-IPDVF, IX-DF(SS) (Aiphone SBX-IDVF)	195.71	26.72
27 51 17 00-0016	EA	Stainless Steel Surface Mount Box, IS-DVF, IS-IPDVF And IS-SS Compatible (Aiphone SBX-ISDVF)	212.32	26.72
27 51 17 00-0017	EA	Stainless Steel Surface Mount Box For AX-DVF (Aiphone SBX-AXDVF)	218.17	26.72

27 Communications**27 50 Distributed Communications and Monitoring Systems****27 51 Distributed Audio-Video Communications Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 51 17 00-0018 EA Stainless Steel Security Lock Box For IS-DV, IS-DVF, IX-DF, IX-SS, IX-DF-HID, And IX-DF-RP10 (Aiphone LB-SDVF/A).....	258.61	40.07
27 51 17 00-0019 EA Front Case With Lens Cover For AX-DV And AX-DVF Cameras (Aiphone 240880)	61.43	13.36
27 51 43 Sound Reinforcement (27 51) Note: Includes testing of new devices and certification.		
27 51 43 00-0001 Amplifiers (27 51 43)		
27 51 43 00-0002 EA 10 Watt PA/Paging System Amplifier, 70 Volt (Bogen C10).....	413.36	106.86
27 51 43 00-0003 EA 35 Watt PA/Paging System Amplifier, 70 Volt (Bogen C35).....	563.02	106.86
27 51 43 00-0004 EA 60 Watt PA/Paging System Amplifier, 70 Volt (Bogen C60).....	659.08	106.86
27 51 43 00-0005 EA 100 Watt PA/Paging System Amplifier, 70 Volt (Bogen 100)	727.62	106.86
27 51 43 00-0006 EA 150 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS150).....	893.70	106.86
27 51 43 00-0007 EA 250 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS250).....	1,142.05	106.86
27 51 43 00-0008 EA Rack Mount Kit For PA/Paging System Amplifiers (Bogen GSRPK).....	45.84	5.34
27 51 43 00-0009 Splitters (27 51 43)		
27 51 43 00-0010 EA 24 Watt, 5 Output, Isolated Splitter (Doug Fleenor 125EE).....	2,215.18	79.99
27 51 43 00-0011 EA 1-in/11-out Splitter (Doug Fleenor DMX).....	2,002.11	79.99
27 51 43 00-0012 Speakers (27 51 43)		
27 51 43 00-0013 EA 8", 5 Watt Recessed Ceiling Mounted Speaker With Transformer And Baffle (Atlas Sound FD72W).....	176.34	28.58
27 51 43 00-0014 EA 8" Steel Baffle (Atlas Sound 51-8).....	51.68	5.33
27 51 43 00-0015 EA T-Bar Support (Atlas Sound EZ95-8)	56.91	5.33
27 51 43 00-0016 EA 8" Cylindrical Enclosure With Undercoating (Atlas Sound Q408).....	84.91	5.33
27 51 43 00-0017 EA Plate Mounted 10 Watt Attenuator With Priority Relay (Atlas Sound AT10-PA).....	84.57	9.60
27 51 43 00-0018 Accessories (27 51 43)		
27 51 43 00-0019 EA Microphone And Stand For Audio/Video System (Bogen MBS-1000A).....	216.77	13.36
27 51 43 00-0020 EA 5 Disk CD Player For Audio/Video System (Bogen DCM290-P).....	478.78	13.36
27 51 43 00-0021 EA Weather Proof Horn For Audio/Video System (Bogen SPT5A).....	132.95	26.72
27 51 43 00-0022 EA Trumpet Driver And Line Matching Transformer For Audio/Video System (Atlas PD-60A).....	234.87	26.72
27 51 43 00-0023 EA Headset Microphone For Audio/Video System (Audio Technica Pro8Hex).....	175.25	26.67
27 51 43 00-0024 EA Microphone Jack For Audio/Video System	88.28	26.72
27 51 43 00-0025 EA Terminal Cabinet For Audio/Video System (Atlas 121-18).....	687.04	106.86
27 51 43 00-0026 EA Volume Control For Audio/Video System (Bogen AT10A)	84.98	26.72
27 51 43 00-0027 EA Round Bridge for 8" (S86/S810) Recessed Speakers (Bogen Communications TB8).....	63.63	26.72
27 51 43 00-0028 Remove And Reinstall Speakers (27 51 43) Note: Includes storage, cleaning and supply materials.		
27 51 43 00-0029 EA Removal And Reinstallation Of Ceiling Mounted Speaker	149.33	
27 53 Distributed Systems (27 50)		
27 53 13 Clock Systems (27 53)		
27 53 13 13 Wireless Clock Systems (27 53 13)		
27 53 13 13-0001 Wireless Synchronized GPS Clock System (Sapling) (27 53 13 13)		
27 53 13 13-0002 Master Clock (Sapling SMA 2000 Series) (27 53 13 13-0001) Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.		
27 53 13 13-0003 EA Master Clock, 900 MHz Transmitter, GPS, Surface Wall Mount (Sapling SMA-2S0-1100-1)	5,192.13	79.99
27 53 13 13-0004 EA Master Clock, 900 MHz Transmitter, GPS, Rack Mount And Wall Mount Antenna (Sapling SMA-2R0-1100-1).....	5,488.13	79.99
27 53 13 13-0005 EA Master Clock, 900 MHz Transmitter, Surface Wall Mount (Sapling SMA-2S0-1000-1).....	2,972.07	79.99
27 53 13 13-0006 EA Master Clock, 900 MHz Transmitter, Rack Mount And Wall Mount Antenna (Sapling SMA-2R0-1000-1)	3,268.07	79.99
27 53 13 13-0007 EA NTP Server Upgrade (Sapling SMA-000-SERV-0)	2,000.00	
27 53 13 13-0008 Wireless Repeaters (Sapling) (27 53 13 13-0001)		
27 53 13 13-0009 EA Wireless Repeater, 900 MHz, RS485 Input, Surface Wall Mount (Sapling SMA-1SR-0000-1).....	1,287.17	53.33
27 53 13 13-0010 EA Wireless Network Repeater, 900 MHz, 110VAC-230VAC, With TCP/IP For Campus Environments, Surface Wall Mount (Sapling SMA-1SM-0000-1).....	1,438.70	53.33
27 53 13 13-0011 Wireless Round Analog Clocks (Sapling SAL-4 Series) (27 53 13 13-0001) Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.		
27 53 13 13-0012 EA Analog, Wireless Slim Line, 900 MHz, 12" Round, Battery-Operated, Surface Wall Mount, Black Case (Sapling SAL-4BS-12R-0).....	286.65	26.67
27 53 13 13-0013 EA Double Mount Housing With Metal Pole For Slim Line 12" Round Analog Clock, Black (Sapling SAH-1BD-12R-0)	186.23	26.67
27 53 13 13-0014 EA Analog, Wireless Slim Line, 900 MHz, 16" Round, Battery-Operated, Surface Wall Mount, Black Case (Sapling SAL-4BS-16R-0).....	339.98	26.67
27 53 13 13-0015 EA Double Mount Housing With Metal Pole For Slim Line 16" Round Analog Clock, Black (Sapling SAH-1BD-16R-0)	208.38	26.67



Communications			27
Distributed Communications and Monitoring Systems			27 50
Distributed Systems			27 53

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 13-0016 Wireless GPS Accessories (Sapling) (27 53 13 13-0001)		
27 53 13 13-0017 EA GPS Mounting Kit (Sapling M-GPS-MTG-KIT-1)	64.67	21.33
27 53 13 13-0018 EA Wall Mount, L-Shape, GPS Mounting Kit (Sapling M-GPS-MTG90-KIT-1)	86.67	21.33
27 53 13 13-0019 EA GPS Antenna Cable, 150 Foot (45.7 Meters) Length (Sapling E-ANT-CBL150F-1)	670.82	46.67
27 53 13 13-0020 EA GPS Antenna Cable, 300 Foot (91.4 Meters) Length (Sapling E-ANT-CBL300F-1)	1,183.32	66.67
27 53 13 13-0021 EA GPS Surge Protector/Arrestor (Sapling E-GPS-SURGE-1)	404.42	5.33
27 53 13 13-0022 2.4 GHz, 2.5", 6-Digit, Digital Messaging Wireless Clock System (Sapling SLDG 3000 Series) (27 53 13 13)		
Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes. Quantities over 25 for all digital clocks are Non Cancelable, Non Returnable (NCNR). (50) Clock Minimum Quantity Required Per System order for SLDG-32S-256-4R. (25) Clock Minimum Quantity Required Per System order for SLDG-32S-256-1R. All digital clocks are available without bezel or without the housing. Contact Sapling for details. Contact Sapling for Factory Customized Message Options. All digital clocks are pre-loaded and shipped with the following messages below: (1) Tornado Warning (2) Inclement Weather (3) Take Cover (4) Evacuate (5) Lockdown (6) Fire (7) Early Dismissal (8) Flood Warning (9) Earthquake (10) Code Blue (11) All Clear (12) Operation in Progress (13) Test in Progress (14) Lunch Break (15) Shift Break.		
27 53 13 13-0023 EA 3200 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 24 VAC/VDC, Surface Wall Mount (Sapling SLDG-32S-256-4R)	894.89	79.99
Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.		
27 53 13 13-0024 EA 3200 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 110 Volt, Surface Wall Mount (Sapling SLDG-32S-256-1R)	914.31	79.99
Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.		
27 53 13 13-0025 EA 3300 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 24 VAC/VDC, Surface Wall Mount And Relay Output/Input (Sapling SLDG-33S-256-4R)	1,086.27	79.99
Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.		
27 53 13 13-0026 EA 3300 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 110 Volt, Surface Wall Mount And Relay Output/Input (Sapling SLDG-33S-256-1R)	1,105.69	79.99
Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.		
27 53 13 13-0027 EA Short Metal Pole For Ceiling Mount Only For Double/Flag Mount, 8.5", Digital Or Square Analog Clock, Black (Sapling SAB-1BD-01S-0)	126.20	21.33
27 53 13 13-0028 EA Metal Pole For Double/Flag Mount, Wall Or Ceiling, 13.5", Digital Or Square Analog Clock, Black (Sapling SAB-1BD-00S-0)	126.20	21.33
27 53 13 13-0029 EA Clock Message Setup Fee, Per Clock (Sapling CLK-MSG-SETUP)	20.00	
27 53 13 13-0030 EA USB Programming Cable + Software For 3200/3300 Digital Clocks (Sapling D-USB485-INTF-1)	162.83	2.67
27 53 13 13-0031 EA Elapsed Timer Control Panel For 3200/3300 Clock Model (Sapling SBD-ELT-001-0)	325.67	5.33
27 53 13 13-0032 EA Elapsed Timer Specialty Buttons Kit (Sapling SBD-ELT-BUT-0)	60.33	2.67
27 53 13 13-0033 EA Elapsed Timer Clear Protective Cover - Set of 2 Covers (Sapling A-ELT-CLR-GUARD-1)	12.06	0.53
27 53 13 13-0034 EA Temperature Sensor for 3200/3300 Digital Clock Model (Sapling SBD-TEMP-000-0)	76.67	5.33
27 53 13 13-0035 2.4 GHz Wireless Message System/Master Clock And Transmitter (Sapling SMM 3000 Series) (27 53 13 13)		
Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.		
27 53 13 13-0036 EA Master Clock With 2.4 GHz Transmitter For Time Data And Messages, Rack Mount & Wall Remote Mount Antenna, 8 Programmable Relays/Zones (Sapling SMM-3R0-G008-1)	4,263.39	79.99
27 53 13 13-0037 EA Master Clock With 2.4 GHz Transmitter & GPS For Time Data And Messages, Rack Mount & Wall Remote Mount Antenna, 8 Programmable Relays/Zones (Sapling SMM-3R0-G108-1)	5,850.99	79.99
27 53 13 13-0038 EA Message Input Box, 16 Inputs, Rack Mount, For SMM Master Clock (Sapling SMI-000-0016-0)	1,891.66	53.33
27 53 13 13-0039 EA Wireless Network Repeater, 2.4 GHz, 110VAC-230VAC, with TCP/IP for Campus Environments, Surface Wall Mount (Sapling SMA-1SM-G000-1)	1,098.91	53.33
27 53 13 13-0040 EA NTP Server Upgrade (Sapling SMA-000-SERV-0)	2,000.00	
27 53 13 13-0041 EA Countdown Feature Upgrade (Sapling SMA-000-CDOW-0)	990.00	
27 53 13 13-0042 Clear Polycarbonate Protective Covers For Wireless Clocks (Sapling) (27 53 13 13)		
Note: For applications requiring defense against constant moisture or fine dust, a silicone sealant between the cover and wall is recommended.		
27 53 13 13-0043 EA Clear Polycarbonate Protective Cover For 9" Square And 12" Round Analog Clock (Sapling SAG-CLR-COVR-12)	278.67	13.33
27 53 13 13-0044 EA Clear Polycarbonate Protective Cover For 2.5" Digital Clock (Sapling SDG-CLR-COVR-25)	278.67	13.33
27 53 13 13-0045 Wire Guards For Wireless Synchronized Clocks (Sapling) (27 53 13 13)		
27 53 13 13-0046 EA Wire Guard For Round Or Square Analog Clocks (Sapling SAG-1200)	157.57	13.33
27 53 13 13-0047 EA Wire Guard for 2.5" or 4.0" Digital Clocks (Sapling SDG-2017)	216.60	13.33
27 53 13 13-0048 Wireless Synchronized Clock Transmitters (27 53 13 13)		
27 53 13 13-0049 Analog, Wireless Synchronized Clocks (Primex Traditional Series) (27 53 13 13-0048)		
27 53 13 13-0050 EA 12.5", Battery Operated, Single Sided, Analog, Wireless Synchronized Clock	239.61	26.67
For >100 To 250, Deduct		-41.51
For >250, Deduct		-48.96
27 53 13 13-0051 EA 12.5", Battery Operated, Dual Sided, Analog, Wireless Synchronized Clock	425.89	26.67
For >100 To 250, Deduct		-28.47
For >250, Deduct		-34.06

27 Communications**27 50 Distributed Communications and Monitoring Systems****27 53 Distributed Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 13-0052 EA 16", Battery Operated, Single Sided, Analog, Wireless Synchronized Clock For >100 To 250, Deduct For >250, Deduct	278.15 -48.45 -57.44	26.67
27 53 13 13-0053 EA 12.5", Electric, Single Sided, Analog, Wireless Synchronized Clock For >100 To 250, Deduct For >250, Deduct	271.73 -47.29 -56.03	26.67
27 53 13 13-0054 EA 12.5", Electric, Dual Sided, Analog, Wireless Synchronized Clock For >100 To 250, Deduct For >250, Deduct	490.12 -32.00 -38.56	26.67
27 53 13 13-0055 EA 16", Electric, Single Sided, Analog, Wireless Synchronized Clock For >100 To 250, Deduct For >250, Deduct	310.27 -36.24 -46.52	26.67
27 53 13 13-0056 Digital, Wireless Synchronized Clocks (Primex Digital Series) (27 53 13 13-0048)		
27 53 13 13-0057 4-Digit, Digital, Wireless Synchronized Clocks (27 53 13 13-0056)		
27 53 13 13-0058 EA 2.5", Single Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock For Green LED, Add For >100 To 250, Deduct For >250, Deduct	348.81 29.55 -31.62 -46.39	26.67
27 53 13 13-0059 EA 2.5", Dual Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock For Green LED, Add For >100 To 250, Deduct For >250, Deduct	644.29 59.10 -67.08 -167.54	26.67
27 53 13 13-0060 EA 4", Single Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock For Green LED, Add For >100 To 250, Deduct For >250, Deduct	387.35 33.40 -23.01 -33.03	26.67
27 53 13 13-0061 EA 4", Dual Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock For Green LED, Add For >100 To 250, Deduct For >250, Deduct	721.37 66.80 -61.42 -188.35	26.67
27 53 13 13-0062 6-Digit, Digital, Wireless Synchronized Clocks (27 53 13 13-0056)		
27 53 13 13-0063 EA 2.5", Single Sided, 6-Digit, Red LED Digital, Wireless Synchronized Clock For Green LED, Add For >100 To 250, Deduct For >250, Deduct	387.35 33.40 -26.35 -37.04	26.67
27 53 13 13-0064 EA 2.5", Dual Sided, 6-Digit, Red LED Digital, Wireless Synchronized Clock For Green LED, Add For >100 To 250, Deduct For >250, Deduct	721.37 66.80 -55.41 -128.23	26.67
27 53 13 13-0065 EA 2.5", Flush Mount, 6-Digit, Red LED Digital, Wireless Synchronized Clock For Green LED, Add For >100 To 250, Deduct For >250, Deduct	451.58 39.83 -21.92 -31.88	26.67
27 53 13 13-0066 Wire Guards For Wireless Synchronized Clocks (27 53 13 13-0048)		
27 53 13 13-0067 EA 18" x 18" Analog Clock Wire Guard For 16" Wireless Synchronized Clocks	123.02	13.33
27 53 13 13-0068 EA Digital Clock Wire Guard For 2.5" Wireless Synchronized Clocks	58.79	13.33
27 53 13 13-0069 EA Digital Clock Wire Guard For 4" Wireless Synchronized Clocks	65.21	13.33
27 53 13 13-0070 Wireless Synchronized Clock Transmitters (27 53 13 13-0048)		
Note: Includes 16 channel transmitter with daylight savings bypass and time zone switch, GPS receiver, 16' cable and window installation hardware.		
27 53 13 13-0071 EA Internal Antenna, One Watt GPS Wireless Clock Transmitter (Primex 14000) For Roof Mounted GPS Receiver, Add	2,594.48 403.04	79.99
27 53 13 13-0072 EA External Antenna, One Watt GPS Wireless Clock Transmitter (Primex 14000-E) Note: Includes 100' antenna cable, 29.4" high x 41.5" wide ground plane antenna with direct ground lightning protection. For Roof Mounted GPS Receiver, Add	4,206.76 564.27	79.99
27 53 13 13-0073 EA Repeater, Satellite Transmitter (Primex 14006) Note: Includes 100' antenna cable, 29.4" high x 41.5" wide ground plane antenna with direct ground lightning protection.	2,541.15	53.33
27 53 13 13-0074 Accessories For Wireless Synchronized Clock Transmitters (27 53 13 13-0048)		
27 53 13 13-0075 EA External Antenna Mounting Kit For Wireless Synchronized Clock Transmitters	235.37	21.33
27 53 13 13-0076 EA Transmitter Rack For Wireless Synchronized Clock Transmitters	109.47	21.33
27 53 13 13-0077 EA Surge Protector And Battery Back Up For Wireless Synchronized Clock Transmitters	154.56	10.67
27 53 13 13-0078 EA 50' GPS Receiver Cable For Wireless Synchronized Clock Transmitters	139.40	26.67
27 53 13 13-0079 EA 100' GPS Receiver Cable For Wireless Synchronized Clock Transmitters	195.61	40.00
27 53 13 13-0080 EA 200' GPS Receiver Cable For Wireless Synchronized Clock Transmitters	286.52	53.33
27 53 13 16 Wired Clock Systems (27 53 13)		
27 53 13 16-0001 Wired Self-Corrective Clock Systems (27 53 13 16)		
27 53 13 16-0002 Wired Self-Corrective Clocks (27 53 13 16-0001)		



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 16-0003		Analog, Wired Self-Corrective Clocks (Telecor) (27 53 13 16-0002)		
27 53 13 16-0004		24 Volt AC, Analog, Wired Self-Corrective Clocks (27 53 13 16-0003)		
27 53 13 16-0005	EA	12", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount.....	205.57	26.67
		For >50 To 100, Deduct	-14.07	
		For >100, Deduct	-20.16	
27 53 13 16-0006	EA	12", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	477.28	26.67
		For >50 To 100, Deduct	-24.94	
		For >100, Deduct	-41.90	
27 53 13 16-0007	EA	16", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount.....	255.67	26.67
		For >50 To 100, Deduct	-18.10	
		For >100, Deduct	-26.19	
27 53 13 16-0008	EA	16", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	627.59	26.67
		For >50 To 100, Deduct	-65.41	
		For >100, Deduct	-88.38	
27 53 13 16-0009		120 Volt AC, Analog, Wired Self-Corrective Clocks (27 53 13 16-0003)		
27 53 13 16-0010	EA	12", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount.....	205.57	26.67
		For >50 To 100, Deduct	-14.07	
		For >100, Deduct	-20.16	
27 53 13 16-0011	EA	12", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	477.28	26.67
		For >50 To 100, Deduct	-24.94	
		For >100, Deduct	-41.90	
27 53 13 16-0012	EA	16", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount.....	255.67	26.67
		For >50 To 100, Deduct	-18.10	
		For >100, Deduct	-26.19	
27 53 13 16-0013	EA	16", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	627.59	26.67
		For >50 To 100, Deduct	-65.41	
		For >100, Deduct	-88.38	
27 53 13 16-0014		Accessories For Analog Wired Self-Corrective Clocks (27 53 13 16-0003)		
27 53 13 16-0015	EA	Wire Guards For 12", 15" Or 16" Analog Wired Self-Corrective Clocks	166.38	13.33
27 53 13 16-0016	EA	Back Box For 10", 12" Or 15" Flush Mount Analog Wired Self-Corrective Clocks	45.94	13.33
27 53 13 16-0017	EA	Surface Mounting Rings For 12" Analog Wired Self-Corrective Clocks	57.03	13.33
27 53 13 16-0018	EA	Surface Mounting Rings For 15" Analog Wired Self-Corrective Clocks	68.59	13.33
27 53 13 16-0019	EA	Combination Back Box For Speaker And Clock.....	112.44	21.33
27 53 13 16-0020		Digital, Wired Self-Corrective Clocks (Telecor) (27 53 13 16-0002)		
27 53 13 16-0021		24 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 16-0020)		
27 53 13 16-0022	EA	2.5", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	251.81	26.67
		For Surface Mount, Add	39.70	
		For >50 To 100, Deduct	-11.91	
		For >100, Deduct	-19.85	
27 53 13 16-0023	EA	4", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	382.85	26.67
		For Surface Mount, Add	65.90	
		For >50 To 100, Deduct	-19.77	
		For >100, Deduct	-32.95	
27 53 13 16-0024		120 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 16-0020)		
27 53 13 16-0025	EA	2.5", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	251.81	26.67
		For Surface Mount, Add	39.70	
		For >50 To 100, Deduct	-11.91	
		For >100, Deduct	-19.85	
27 53 13 16-0026	EA	4", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	382.85	26.67
		For Surface Mount, Add	65.90	
		For >50 To 100, Deduct	-19.77	
		For >100, Deduct	-32.95	
27 53 13 16-0027		Replacement Modules For 24 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 16-0020)		
27 53 13 16-0028	EA	2.5", Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks.....	216.65	26.67
		For >50 To 100, Deduct	-9.80	
		For >100, Deduct	-16.33	
27 53 13 16-0029	EA	4" Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks.....	351.06	26.67
		For >50 To 100, Deduct	-17.86	
		For >100, Deduct	-29.77	
27 53 13 16-0030		Replacement Modules For 120 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 16-0020)		
27 53 13 16-0031	EA	2.5", Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks	216.65	26.67
		For >50 To 100, Deduct	-9.80	
		For >100, Deduct	-16.33	
27 53 13 16-0032	EA	4" Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks.....	351.06	26.67
		For >50 To 100, Deduct	-17.86	
		For >100, Deduct	-29.77	